

**PHASE II ENVIRONMENTAL
SITE ASSESSMENT REPORT**

Fernbrook Park Site
70 Fernbrook Street
City of Yonkers, Westchester County, New York

Prepared for:

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GLOSARY

USEPA	United States Environmental Protection Agency
NYSDEC	New York State Department of Environmental Conservation
CoY	City of Yonkers
UUSCO	Unrestricted Use Soil Cleanup Objective
RRSCO	Restricted Residential Soil Cleanup Objective
TOGS-GA	Division of Water Technical and Operational Guidance Series No. 1.1.1 Groundwater Effluent Limitations
UST	Underground Storage Tank
AST	Aboveground Storage Tank
REC	Recognized Environmental Condition
MOSF	Major Oil Storage Facility
VOC	Volatile Organic Compound
SVOC	Semi-Volatile Organic Compound
PCB	Poly-Chlorinated Biphenyl
PFAS	Per- and Polyfluoroalkyl Substances

EXECUTIVE SUMMARY

On behalf City of Yonkers (CoY), Paulus, Sokolowski and Sartor Engineering, PC (PS&S) conducted a Phase II Environmental Site Assessment (Phase II) at the properties located along the west side of Fernbrook Street, between Ludlow Street and the Westchester County Wastewater Treatment Plant (generally known as 70 Fernbrook Street) in Yonkers, Westchester County, New York (herein referred to as the “Site”). The Site is comprised of eight separate tax lots, as detailed in Section 2.1. The Site is also comprised of the historic city street, Pier Street, and some of Yerks Place (Front Street), which are not covered by the 8 properties summarized above and presented in Table 1. The current tenant of the Site is All County Bus, a bus depot facility which is listed in the NY AST database (PBS No. 3-800816). A Site Location Map is included as **Figure 1**.

<u>Table 1. Fernbrook Site Location and Site Acreage</u>					
<u>Lot Address</u>	<u>Section</u>	<u>Block</u>	<u>Lot</u>	<u>Acres</u>	<u>Current Ownership Status</u>
8 Water Grant Street	1	615	1	0.27	Saviano Enterprises, Inc.
8 Water Grant Street	1	615	6	0.19	Saviano Enterprises, Inc.
102 Pier Street	1	615	10	0.45	Saviano Enterprises, Inc.
78 Pier Street	1	615	35.45	0.70	Saviano Enterprises, Inc.
101 Pier Street	1	622	1	0.58	Saviano Enterprises, Inc.
12 Yerks Place	1	622	8	0.20	Saviano Enterprises, Inc.
111 Yerks Place	1	623	1	0.12	Saviano Enterprises, Inc.
9 Water Grant Street	1	623	4	0.44	Saviano Enterprises, Inc.
Total acreage:				2.95	

The purpose of the Phase II is to further investigate conditions identified in the Phase I Environmental Site Assessment (ESA) completed by PS&S on February 28, 2022, as part of the due diligence purposes prior to a potential real estate transaction. On March 7 and 8, 2022, PS&S collected a total of fourteen (14) soil samples, SB-1 through SB-14, in the area comprising the Site. PS&S also collected two (2) groundwater samples, TW-1 and TW-2, corresponding with soil borings SB-7 and SB-11.

The soil boring results identified Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), metals, and Per and Polyfluoroalkyl Substances (PFAS) which were detected at reported concentrations above the laboratory reporting limits (RLs). Soil results were compared to 6 NYCRR Part 375-6.8(b) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Use Soil Cleanup Objectives (RRSCOs). VOCs, SVOCs, PCBs, and metals were detected at reported concentrations above the UUSCOs; and VOCs, SVOCs, and metals were detected above the RRSCOs.

The groundwater sample results identified VOCs, and SVOCs which were detected at reported concentrations above the laboratory RLs. Groundwater results were compared to Division of Water Technical and Operational Guidance Series No. 1.1.1 Groundwater Effluent Limitations (TOGS-GA). VOCs and SVOCs were detected at reported concentrations above the TOGS-GA standards.

1.0 INTRODUCTION

On behalf of CoY, PS&S prepared this report to document the results of a Phase II Environmental Site Assessment (ESA) completed at the Site in accordance with the PS&S proposal dated February 24, 2022.

The scope of this assessment was based on the findings of a Phase I ESA completed by PS&S in February 2022. The purpose of the Phase II ESA was to investigate recognized environmental conditions (RECs) identified in the Phase I. This report summarizes the Phase II ESA activities conducted by PS&S on March 7, 2022 and March 8, 2022, and includes analytical results summary tables, soil boring logs, and figures presenting soil and groundwater exceedances with respect to applicable standards and recommended values.

2.0 PHYSICAL SITE DESCRIPTION

2.1 Site Description and Surrounding Land Use

The Site is currently operated by All County Bus, a school bus depot, including parking, office space, and maintenance facilities for the buses. The site is paved throughout, except for the rear of the 102 Yerks Place building and the riverfront at Block 615, Lots 1 and 6. The Site is fenced on all sides, except along the Hudson River or where buildings are present. The site is accessible by two secured gates at the northeast corner (Block 622, Lot 8) and east side (Block 615, Lot 10) of the site, facing onto Fernbrook Street. The Site is bound to the north by the Domino Sugar Fleet Maintenance building (Foodliner Terminal), to the west by the Hudson River, to the east by Fernbrook Street, and to the south by the Westchester County Wastewater Treatment Plant.

Current layout includes six structures on the Site. The northernmost structure at 102 Yerks Place (Block 622, Lot 8) is a two-story brick building, also containing a basement. 101 Pier Street (Block 622, Lot 1) contains a small one-story concrete building and a storage shed. 102 Pier Street (Block 615, Lot 10) contains a two-story office building with no basement, and two one-story trailers. 78 Pier Street (Block 615, Lot 35.45) contains a split-level building which is used both as offices and as a garage/vehicle maintenance building.

The Site is being evaluated for redevelopment as a public park with a playground and recreational amenities to revitalize the community. The lots comprising the Site, lot acreage and current ownership are listed in **Table 1**.

2.2 Topography, Geology, Hydrogeology and Subsurface Characteristics

The Site is located on the USGS 7.5-minute series topographic maps of Yonkers, NY (refer to **Figure 1**). The Site grades towards the Hudson River to the west, staying generally flat with some sinkholes and settling closer to the River, particularly to the north. The site coordinates sit at an elevation of approximately 1 foot above mean sea level (msl).

The Site lies directly adjacent to the Hudson River at its closest points. Groundwater depth was observed during the Phase II investigations between 3.5 feet below ground surface (at SB-7/TW-1) and 11.8 feet below ground surface (at SB-11/TW-2).

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

3.1 Phase I ESA

A Phase I ESA was conducted in accordance with the ASTM International Standard Practice E1527- 13 (Standard Practice for ESA: Phase I ESA Process) by PS&S. The findings were presented to CoY in a Phase I ESA report dated February 28, 2022.

The objective of the Phase I ESA was to identify the presence or likely presence on the Site of hazardous substances or petroleum products as defined in ASTM E1527-13 as a Recognized Environmental Condition (REC).

The environmental database search conducted during the Phase I assessment indicated that this property is listed in the NY AST database (PBS No. 3-800816). All County Bus operations include 7 aboveground storage tanks (ASTs), each consisting of steel tanks, 5 currently in service. No spills are recorded for this property. AST details can be found in the following Table 3.

Table 2 – Fernbrook Street Site ASTs Summary				
Tank Number	Tank Volume (Gallons)	Tank Contents	Tank Status	Installation Year
1	275	#4 Fuel Oil	In Service	1995
2	275	#4 Fuel Oil	In Service	1995
3	275	Waste Oil	In Service	2001
4	2,500	Diesel	In Service	1995
5	275	#4 Fuel Oil	Closed - Removed	2001
6	275	Lube Oil	In Service	2001
7	275	Used Heating Oil	Closed - Removed	2013

The Phase I ESA revealed evidence of six (6) RECs in connection with the Site:

- 1) An active 2,500-gallon AST and fueling station for buses which are staged at the Site. The AST and fueling station are located between 101 Pier Street and the historic city street “Pier Street”. The AST and fueling station are also located in proximity to the former boiler room associated with Yonkers City Ice Company. Historical activity in this area indicates the possible presence of Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), and metals contamination.
- 2) A former foam storage building which was used for firefighting activities for the Site. This building is located at the southeast corner of 101 Pier Street. Firefighting foam is a known source of Per- and Polyfluoroalkyl Substances (PFAS). While

PFAS is neither a petroleum nor a regulated hazardous material, it is a known contaminant which is a focus of NYSDEC and NYSDOH investigations.

- 3) A former AST and UST area in the back of the building at 12 Yerks Place. Records of installation of the UST date back to 1929, while records of UST removal/leaks are from 2006. The area also housed some of the ASTs associated with the ATI Major Oil Storage Facility (MOSF) facility that existed on Site. Additionally, some soil staining from current Site activity was observed in this area. Historical activity in this area indicates the possible presence of VOCs, and SVOCs.
- 4) A former coal pocket/coal and fuel storage area which was in operation prior to 1917 until sometime between 1957 and 1971. Historical activity in this area indicates the possible presence of VOCs, SVOCs, PCBs, and metals.
- 5) An active garage/vehicle maintenance building located at 78 Pier Street which includes the improper storage of some vehicle-related petroleum products and a floor drain with an undetermined path for material. This property is also the former location of several ASTs associated with Gulf Refining Company. Current and historical activity in this area indicates the possible presence of VOCs, and SVOCs.
- 6) The former location of the ASTs associated with the ATI MOSF facility that were not at 12 Yerks Place. These tanks made up the majority of the MOSF and were located at 101 Pier Street. Historical activity in this area indicates the possible presence of VOCs, and SVOCs.

PS&S was not able to obtain, information regarding when each of the tanks associated with the ATI MOSF were installed or removed, and no records of spills were available in the available historical documents.

The Phase I ESA recommended the implementation of a Phase II ESA that include soil sampling of the RECs, as well as groundwater sampling downgradient of existing ASTs, to gather information that will aid to confirm the existence of contamination in the limited areas of investigation.

4.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT

The Phase II commenced on March 7, 2022 and was completed on March 8, 2022 to further assess the findings of the Phase I ESA. The sample locations and rationale for the sampling program are summarized below in **Table 3**.

Table 3 - Proposed Sampling Rationale			
Sample ID	Address	Rationale	Sampling Media
SB-1	12 Yerks Pl	The likely presence of contamination associated with the former operation of a 525-gallon UST at 12 Yerks Place and the environmental impacts associated to a spill caused by a tank test failure.	Soil (VOCs & SVOCs)
SB-2	12 Yerks Pl	Some staining/potential spills from active site use. Rest of Site is paved, no other staining observed. Also former AST locations as indicated in Sanborn maps	Soil (VOCs & SVOCs)
SB-3 & SB-4	101 Pier St	Past operation of the Site, particularly 101 Pier Street, as an MOSF with at least eight ASTs of greater than 40,000-gallon capacity	Soil (VOCs & SVOCs)
SB-5	101 Pier St	Former generator/boiler room. Potential Tank Sanborn 1917	Soil (VOCs, SVOCs, PCBs, and Metals)
SB-6	101 Pier St	The likely presence of contamination associated with the former foam storage building for firefighting purposes within 101 Pier Street.	Soil (VOCs, SVOCs, & PFAS)
SB-7/ TW-1	101 Pier St	The location of an active 2,500-gallon AST and fueling activity at 101 Pier Street.	Soil & GW (VOCs & SVOCs)
SB-8	111 Yerks Pl	Past operation of the Site, 111 Yerks Street, as an MOSF with at least eight ASTs of greater than 40,000-gallon capacity	Soil (VOCs & SVOCs)
SB-9	102 Pier St	The likely presence of contamination associated with the former long-term operation of coal storage pockets within 102 Pier Street.	Soil (VOCs, SVOCs, PCBs, and Metals)
SB-10	78 Pier St	Former Fuel Tanks: Gulf Refining at 78 Pier Street.	Soil (VOCs and SVOCs)

SB-11/ TW-2	78 Pier St	The continuing operation of the Site as a bus parking and maintenance facility, which includes the improper storage of some vehicle-related petroleum products, and three (3) active ASTs.	Soil & GW (VOCs & SVOCs)
SB-12	9 Water Grant St	General industrial usage of the Site and vicinity to the Hudson River.	Soil (VOCs & SVOCs)
SB-13	8 Water Grant St	General industrial usage of the Site and vicinity to the Hudson River.	Soil (VOCs & SVOCs)
SB-14	8 Water Grant St	General industrial usage of the Site and vicinity to the Hudson River.	Soil (VOCs & SVOCs)

Photographs of the Site and surrounding area observed during the Phase II ESA activities are included in **Appendix A**. A map depicting the locations of the completed soil borings is included as **Figure 2 - Soil Sample Location Map**.

Aquifer Drilling and Testing Inc. (ADT) was the selected driller for the investigation and conducted the geophysical survey. Alpha Analytical (Alpha) was the New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory selected to analyze collected samples.

4.1 Site Reconnaissance and Geophysical Survey

Prior to commencing drilling activities, PS&S conducted a Site visit to confirm access to proposed sampling locations and discuss site restoration requirements associated with potential damages to the site on March 4, 2022.

A geophysical survey was performed on March 7, 2022, by ADT to locate potential underground utilities in the proposed boring locations, by ground-penetrating radar (GPR) geophysical survey. The geophysical survey area was first scanned using Radiodetection (RD) to determine any metallic piping or underground energized transmission lines within the footprint of the property. The second method of the survey was conducted using GPR imaging.

Underground utilities were identified at the Site but not in the vicinity of proposed sampling locations, so the drilling program was executed as planned.

4.2 Soil Boring Installation and Sampling

A total of fourteen (14) soil borings were advanced by ADT using a Geoprobe 7822DT Direct Push Drill Rig unit. Soil borings were advanced to 10 feet below ground surface (BGS) or until refusal was met in all the proposed locations SB-1 through SB-14. Borings SB-7 and SB-11 were advanced to 15 feet BGS for temporary well installation.

Soil samples were collected using 5-foot Macrocore® sample barrels with dedicated acetate liners. Recovered soil was characterized per the Unified Soil Classification System (USCS) and visually screened for the presence of groundwater and/or signs of contamination (i.e. staining, debris and odor). A photoionization detector (PID) meter was used to screen soils for the presence of total organic vapors (TOVs). Field collected information was logged as presented in the Soil Boring Logs included as **Appendix B**.

One grab soil sample and one composite soil sample were collected from each borehole (SB-1, through SB-14) from the soil interval exhibiting the highest PID reading. Retained samples were transported under standard chain of custody documentation to Alpha and analyzed for TCL VOCs (by USEPA Method 8260), TCL SVOCs (by USEPA Method 8270), TCL PCBs (by USEPA Method 8082A), TAL Metals (by Method 6020), and PFAS (by Isotope Dilution).

Investigation-derived waste (IDW), including soil cuttings, generated during the investigation was returned to bore holes following the completion of the sampling activities.

4.3 Temporary Well Installation and Sampling

Two (2) temporary wells, TW-1 and TW-2 were installed and sampled for groundwater at locations corresponding with SB-7 and SB-11. Temporary wells were advanced to a depth of 15 feet BGS and installed with a 1” slotted PVC riser. After installation was completed, PS&S measured the depth to water and depth to well bottom, and checked for the presence of free product using an oil-water interface probe. A PID meter was used to screen the wells for the presence of total organic vapors (TOVs).

Temporary wells were sampled via purge and sample methods. Each well was purged of approximately three well volumes of water, then sampled using a peristaltic pump. One grab sample was collected from each well (TW-1 and TW-2). Retained samples were transported under standard chain of custody documentation to Alpha and analyzed for TCL VOCs (by USEPA Method 8260), TCL SVOCs (by USEPA Method 8270).

5.0 PHASE II FINDINGS

5.1 Geophysical Survey

During the March 7, 2022 geophysical survey, the 14 proposed boring locations were surveyed to identify potential underground facilities (i.e. abandoned USTs). The geophysical survey area was first scanned using RD to determine any metallic piping or underground energized transmission lines within the footprint of the property followed by the GPR. Designated anomalies were marked on-site with spray paint. No evidence of USTs was observed around the soil boring locations.

5.2 Laboratory Analytical Results

Soil samples were field screened for TOVs using a PID meter. PID readings ranged from 0.2 ppm to 500.8 ppm. The highest PID reading was observed in the soil sample collected at the 6.5 ft. BGS interval in soil boring SB-4. Several soil samples displayed strong odors and discoloration. Free product was not observed in any of the soil boring locations.

Soils:

A total of fourteen (14) soil samples, SB-1 through SB-14, were retained for laboratory analysis for TCL VOCs, and TCL SVOCs per EPA methods 8260 and 8270 respectively. Sample SB-6 was also analyzed for Per and Poly-Fluoroalkyl Substances (PFAS) and 1,4-Dioxane. Samples SB-5 and SB-9 were also analyzed for TCL PCBs per EPA method 8082A and TAL Metals per EPA method 6010. Soil sample results were tabulated and compared to the NYSDEC Unrestricted Soil Cleanup Objectives (UUSCOs) and Restricted-Residential Soil Cleanup Objectives (RRSCOs), **Tables 4-6**. Exceedances to the UUSCOs and RRSCOs are displayed in **Figure 3**. The Alpha Laboratory Analytical Report is provided in **Appendix C**.

- VOCs were detected at reported concentrations above their respective NYSDEC UUSCOs, but below the NYSDEC RRSCOs at several locations.
 - Benzene was detected above its respective UUSCO (0.06 mg/kg), but below its RRSCO (4.8 mg/kg), at 8 of the 14 sample locations, in concentrations ranging from 0.084 mg/kg to 2.6 mg/kg. Benzene was detected below SCOs at an additional 4 locations.
 - cis-1,2-Dichloroethene was detected above its respective UUSCO (0.25 mg/kg), but below its RRSCO (100 mg/kg), at one location, SB-11, at a concentration of 8.6 mg/kg. cis-1,2-Dichloroethene was not detected at any other location.

- Ethylbenzene was detected above its respective UUSCO (1 mg/kg), but below its RRSCO (41 mg/kg), at 2 of the 14 sample locations, both at a concentration of 1.1 mg/kg. Ethylbenzene was detected below SCOs at an additional 11 locations.
- n-Butylbenzene was detected above its respective UUSCO (12 mg/kg), but below its RRSCO (100 mg/kg), at one location, SB-4, at a concentration of 17 mg/kg. n-Butylbenzene was detected below SCOs at an additional 11 locations.
- n-Propylene was detected above its respective UUSCO (3.9 mg/kg), but below its RRSCO (100 mg/kg), at 5 of the 14 sample locations, in concentrations ranging from 5.4 mg/kg to 21 mg/kg. n-Propylene was detected below SCOs at an additional 7 locations.
- sec-Butylbenzene was detected above its respective UUSCO (11 mg/kg), but below its RRSCO (100 mg/kg), at one location, SB-4, at a concentration of 12 mg/kg. sec-Butylbenzene was detected below SCOs at an additional 11 locations.
- Toluene was detected above its respective UUSCO (0.7 mg/kg), but below its RRSCO (100 mg/kg), at 2 of the 14 sample locations, at concentrations of 1.4 mg/kg at SB-5 and 3.8 mg/kg at SB-4, respectively. Toluene was detected below SCOs at an additional 8 locations.
- Vinyl Chloride was detected above its respective UUSCO (0.02 mg/kg), but below its RRSCO (0.9 mg/kg), at one location, SB-1, at a concentration of 0.51 mg/kg. Vinyl Chloride was not detected at any other location.
- Total Xylenes were detected above their respective UUSCO (0.26 mg/kg), but below its RRSCO (100 mg/kg), at 7 of the 14 sample locations, in concentrations ranging from 0.39 mg/kg to 5.5 mg/kg. Total Xylenes were detected below UUSCOs at an additional 5 locations.
- Acetone was detected in sample SB-11 at a concentration of 3.1 mg/kg, above its respective UUSCO (0.05 mg/kg), but below its RRSCO (100 mg/kg). Note that Acetone is a known laboratory contaminant and is often produced from the combination of humid materials in soil and the methanol in the surrogates used in the laboratory. The detection of this compound could potentially be attributed to laboratory contaminants and not the presence of acetone contamination in the soil.
- SVOCs were detected at reported concentrations above their respective NYSDEC UUSCOs and RRSCOs at several locations.
 - Benzo(a)anthracene was detected above its respective UUSCOs and RRSCOs (1 mg/kg) at 4 of the 14 sample locations, in concentrations ranging from 2.6 mg/kg to 14 mg/kg. Benzo(a)anthracene was detected below SCOs at all other locations.
 - Benzo(a)pyrene was detected above its respective UUSCOs and RRSCOs (1 mg/kg) at 4 of the 14 sample locations, in concentrations ranging from

- 2.1 mg/kg to 13 mg/kg. Benzo(a)pyrene was detected below SCO at all other locations, except SB-11.
- Benzo(b)fluoranthene was detected above its respective UUSCOs and RRSCOs (1 mg/kg) at 4 of the 14 sample locations, in concentrations ranging from 2.8 mg/kg to 14 mg/kg. Benzo(b)fluoranthene was detected below SCO at all other locations.
 - Benzo(k)fluoranthene was detected above its respective UUSCOs (0.8 mg/kg) and RRSCOs (3.9 mg/kg) at 1 of the 14 sample locations – SB-3 – at a concentration of 5.3 mg/kg. Benzo(k)fluoranthene was detected above only UUSCOs in 3 of the 14 sample locations, in concentrations ranging from 0.92 mg/kg to 3.1 mg/kg. Benzo(k)fluoranthene was detected below SCO at all other locations, except SB-11 and SB-13.
 - Chrysene was detected above its respective UUSCOs and RRSCOs (1 mg/kg and 3.9 mg/kg) at 4 of the 14 sample locations, in concentrations ranging from 2.4 mg/kg to 13 mg/kg. 3 of these 4 locations exceeded the RRSCOs. Chrysene was detected below SCO at all other locations.
 - Dibenzo(a,h)anthracene was detected above its respective UUSCOs and RRSCOs (0.33 mg/kg) at 3 of the 14 sample locations, in concentrations ranging from 0.93 mg/kg to 1.6 mg/kg. Dibenzo(a,h)anthracene was detected below SCO at an additional 10 locations.
 - Indeno(1,2,3-cd)pyrene was detected above its respective UUSCOs and RRSCOs (0.5 mg/kg) at 5 of the 14 sample locations, in concentrations ranging from 0.55 mg/kg to 8.6 mg/kg. Indeno(1,2,3-cd)pyrene was detected below SCO at all other locations.
- Total PCBs was detected above its respective NYSDEC UUSCO (0.1 mg/kg), but below its RRSCO (1 mg/kg), at SB-5 (0.157 mg/kg). No individual PCBs were detected above UUSCOs or RRSCOs at either SB-5 or SB-9.
 - Metals were detected at reported concentrations above their respective NYSDEC UUSCOs and RRSCOs at SB-5, and above their respective NYSDEC UUSCOs only at SB-9.
 - Copper was detected above its respective UUSCO (50 mg/kg), but below its RRSCO (270 mg/kg) at SB-9 at a concentration of 54.8 mg/kg. Copper was detected below the UUSCOs at SB-5 (45 mg/kg).
 - Lead was detected above its respective UUSCO (63 mg/kg), but below its RRSCO (400 mg/kg) at both SB-5 and SB-9 at 167 mg/kg and 340 mg/kg, respectively.
 - Mercury was detected above its respective UUSCOs and RRSCOs (0.18 and 0.81 mg/kg) at both SB-5 and SB-9 at 3.86 mg/kg and 2.41 mg/kg, respectively.

- Zinc was detected above its respective UUSCO (109 mg/kg), but below its RRSCO (10,000 mg/kg) at both SB-5 and SB-9 at 157 mg/kg and 141 mg/kg, respectively.

Groundwater:

Two (2) groundwater samples, TW-1 and TW-2, were collected from temporary wells installed at sample locations SB-7 and SB-11 and retained for laboratory analysis for TCL VOCs, and TCL SVOCs in accordance with EPA methods 8260C and 8270D respectively. Groundwater sample results were tabulated and compared to the NYSDEC Division of Water Technical and Operational Guidance Series No. 1.1.1 Groundwater Effluent Limitations (TOGS-GA), **Table 7**. Exceedances to the TOGS-GA standards are displayed in **Figure 4**. The Alpha Laboratory Analytical Report is provided in **Appendix C**.

- VOC compounds were detected at reported concentrations above the NYSDEC TOGS-GA at both groundwater sample locations.
 - 1,2,4,5-Tetramethylbenzene was detected above its respective TOGS-GA (5 µg/L) in both TW-1 and TW-2, in concentrations of 10 µg/L and 45 µg/L, respectively.
 - 1,2,4-Trimethylbenzene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 58 µg/L. 1,2,4-Trimethylbenzene was not detected in TW-1.
 - 1,3,5-Trimethylbenzene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 14 µg/L. 1,3,5-Trimethylbenzene was not detected in TW-1.
 - Acetone was detected above its respective TOGS-GA (50 µg/L) in TW-2, in a concentration of 150 µg/L. Acetone was detected below TOGS-GA in TW-1.
 - Benzene was detected above its respective TOGS-GA (1 µg/L) in TW-2, in a concentration of 30 µg/L. Benzene was detected below TOGS-GA in TW-1.
 - cis-1,2-Dichloroethene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 51 µg/L. cis-1,2-Dichloroethene was not detected in TW-1.
 - Ethylbenzene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 13 µg/L. Ethylbenzene was not detected in TW-1.
 - Naphthalene was detected above its respective TOGS-GA (10 µg/L) in TW-2, in a concentration of 76 µg/L. Naphthalene was not detected in TW-1.
 - n-Butylbenzene was detected above its respective TOGS-GA (5 µg/L) in TW-1, in a concentration of 5.1 µg/L. n-Butylbenzene was detected below TOGS-GA in TW-2.
 - n-Propylbenzene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 6.8 µg/L. n-Propylbenzene was not detected in TW-1.

- o-Xylene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 28 µg/L. o-Xylene was not detected in TW-1.
- p/m-Xylene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 46 µg/L. p/m-Xylene was not detected in TW-1.
- Toluene was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 100 µg/L. Toluene was not detected in TW-1.
- SVOC compounds were detected at reported concentrations above the NYSDEC TOGS-GA at both groundwater sample locations.
 - Benzo(a)anthracene was detected above its respective TOGS-GA (0.002 µg/L) in both TW-1 and TW-2, in concentrations of 1.6 µg/L and 0.54 µg/L, respectively.
 - Benzo(a)pyrene was detected above its respective TOGS-GA (0 µg/L) in both TW-1 and TW-2, in concentrations of 1.1 µg/L and 0.38 µg/L, respectively.
 - Benzo(b)fluoranthene was detected above its respective TOGS-GA (0.002 µg/L) in both TW-1 and TW-2, in concentrations of 1.4 µg/L and 0.6 µg/L, respectively.
 - Benzo(k)fluoranthene was detected above its respective TOGS-GA (0.002 µg/L) in both TW-1 and TW-2, in concentrations of 0.46 µg/L and 0.18 µg/L, respectively.
 - Chrysene was detected above its respective TOGS-GA (0.002 µg/L) in both TW-1 and TW-2, in concentrations of 0.93 µg/L and 0.47 µg/L, respectively.
 - Indeno(1,2,3-cd)pyrene was detected above its respective TOGS-GA (0.002 µg/L) in both TW-1 and TW-2, in concentrations of 0.66 µg/L and 0.49 µg/L, respectively.
 - Naphthalene was detected above its respective TOGS-GA (10 µg/L) in TW-2, in a concentration of 55 µg/L. Naphthalene was detected below TOGS-GA in TW-1.
 - Bis(2-ethylhexyl)phthalate was detected above its respective TOGS-GA (5 µg/L) in TW-2, in a concentration of 14 µg/L. Bis(2-ethylhexyl)phthalate was not detected in TW-1.
 - Phenol was detected above its respective TOGS-GA (2 µg/L) in TW-2, in a concentration of 10 µg/L. Phenol was not detected in TW-1.

6.0 CONCLUSIONS

PS&S has performed a Phase II ESA in the Fernbrook Park Site, which is currently in use as All County Bus, located in Yonkers, New York

The Phase II investigated six RECs identified in the February 2022 Phase I ESA, related to current Site use as a bus maintenance, repair, and staging facility, and to past use of the Site as an MOSF and other coal and oil storage facilities. Soil sample results were compared to the current NYSDEC criteria for Unrestricted Use and Restricted Residential Use. Groundwater sample results were compared to the current NYSDEC criteria for groundwater effluent limitations.

Based on analytical results, only a few VOCs (typically associated with petroleum bulk storage facilities) were detected in the soil at reported concentrations above the NYSDEC UUSCO; these reported concentrations were below the NYSDEC RRSCOs. The soil samples did not present odors or staining, the magnitude of the VOC concentrations in the soil samples collected are not indicative of recent releases, and these chemicals of concern are typical for the former and current storage of petroleum products at the Site. The public record does not identify that any petroleum spills were recorded for this property under the All County Bus PBS Registration (PBS No. 3-800816).

SVOCs consisting of polycyclic aromatic hydrocarbons (PAHs) were detected at reported concentrations above the current NYSDEC RRSCOs. PAHs are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAH findings in the soil indicate chemicals of concern typically observed at the former storage of coal pocket/coal and fuel facilities, similar to the facilities that were operation at the Site. Mercury was detected in one of the two samples collected at reported concentrations above the NYSDEC RRSCOs.

Two groundwater samples, TW-1 (situated in the middle of the Site) and TW-2 (situated in the southern portion of the site), were collected during the Phase II Investigation. VOCs and SVOCs exceeding TOGS-GA standards were detected in both locations. VOCs were predominant in TW-2 while PAHs were predominant in TW-1. On-site groundwater concentrations may be attributed to both former and current on-site operations and an off-site source.

Based on the current available information, PS&S understands that the Site is not subject to a NYSDEC remediation program, in accordance with the NYSDEC Part 375 (i.e., Inactive Hazardous Waste Disposal Sites, Brownfield Cleanup Program, Environmental Restoration Sites) regulatory requirements. The management of existing on-site soils during Site redevelopment must be completed in adherence to applicable regulations such as NYSDEC Part 360 Solid Waste Management Facilities General Requirements which states in NYSDEC Part 360.13 Special requirements for pre-determined beneficial use of fill material, that:

- (c) Exemption for on-site reuse of fill material.

Fill material used as backfill for the excavation from which the fill material was taken, or as fill in areas of similar physical characteristics on the project property is exempt from regulation under this Part. If fill material exhibits historical or visual evidence of contamination (including odors), and will be used in an area with public access, the relocated fill material must be covered with a minimum of 12 inches of soil or fill material that meets the criteria for general fill, as defined in this Part. This provision does not apply to sites which are subject to a department-approved or undertaken program pursuant to Part 375 of this Title.

In regard to groundwater, if dewatering is necessary during construction, dewatering activities must be conducted in accordance with applicable county and/or NYSDEC sewer discharge requirements and no discharge will be permitted to the Hudson River. Additional groundwater testing, and possibly pre-treatment, may be necessary to comply with these sewer discharge requirements. Particular attention should be given to any potential dewatering activities, which are anticipated in areas to the south and west of the Site.

Tables

Table 4

Soil Sampling Results - Volatile Organic Compounds

Table 4
Fernbrook Park Phase II
Soil Sampling Results - Volatile Organic Compounds

SAMPLE LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE SAMPLE DEPTH (ft.)	CAS Number	RRSCos	UUSCos	SB-1			SB-2'			SB-3			SB-4			SB-5'			SB-6			SB-7			SB-8			SB-9			SB-10			SB-11			SB-12			SB-13			SB-14		
				3/8/2022			3/8/2022			3/7/2022			3/7/2022			3/8/2022			3/8/2022			3/7/2022			3/7/2022			3/7/2022			3/8/2022			3/8/2022			3/8/2022			3/8/2022					
				L2212074-01			L2212074-02			L2211829-01			L2211829-02			L2211829-03			L2212074-03			L2212074-04			L2211829-04			L2211829-05			L2211829-06			L2212074-05			L2211829-07			L2212074-06			L2212074-07		
				SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
				4	7	7	6.5	4	7.5	9	6.5	7.5	4	9	6.5	7.5	4	9	6.5	7.5	4	9	8	3	10																				
Results			Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL					
VOLATILE ORGANICS BY EPA 5035																																													
1,1,1,2-Tetrachloroethane	630-20-6			ND	0.035	ND	0.059	ND	0.059	ND	0.17	ND	0.039	ND	0.036	ND	0.0006	ND	0.031	ND	0.044	ND	0.14	ND	0.066	ND	0.0008	ND	0.0009	ND	0.0007														
1,1,1-Trichloroethane	71-55-6	100	0.68	ND	0.035	ND	0.059	ND	0.059	ND	0.17	ND	0.039	ND	0.036	ND	0.0006	ND	0.031	ND	0.044	ND	0.14	ND	0.066	ND	0.0008	ND	0.0009	ND	0.0007														
1,1,2,2-Tetrachloroethane	79-34-5			ND	0.035	ND	0.059	ND	0.059	ND	0.17	ND	0.039	ND	0.036	ND	0.0006	ND	0.031	ND	0.044	ND	0.14	ND	0.066	ND	0.0008	ND	0.0009	ND	0.0007														
1,1,2-Trichloroethane	79-00-5			ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	ND	0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,1-Dichloroethane	75-34-3	26	0.27	ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	ND	0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,1-Dichloroethene	75-35-4	100	0.33	ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	ND	0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,1-Dichloropropene	563-58-6			ND	0.035	ND	0.059	ND	0.059	ND	0.17	ND	0.039	ND	0.036	ND	0.0006	ND	0.031	ND	0.044	ND	0.14	ND	0.066	ND	0.0008	ND	0.0009	ND	0.0007														
1,2,3-Trichlorobenzene	87-61-6			ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,2,3-Trichloropropane	96-18-4			ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,2,4,5-Tetramethylbenzene	95-93-2			24	E 0.14	0.51	0.24	15	0.24	40	0.67	0.43	0.15	13	0.14	ND	0.0022	10	0.12	22	0.17	21	0.56	3.6	0.27	ND	0.003	0.019	0.0035	ND	0.0028														
1,2,4-Trichlorobenzene	120-82-1			ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,2,4-Trimethylbenzene	95-63-6	52	3.6	0.37	0.14	1.4	0.24	0.12	J 0.24	2.2	0.67	0.21	0.15	0.26	0.14	ND	0.0022	0.072	J 0.12	0.17	0.17	0.11	J 0.56	3.3	0.27	ND	0.003	0.01	0.0035	ND	0.0028														
1,2-Dibromo-3-chloropropane	96-12-8			ND	0.21	ND	0.36	ND	0.35	ND	1	ND	0.23	ND	0.21	ND	0.0034	ND	0.18	ND	0.26	ND	0.84	ND	0.4	ND	0.0045	ND	0.0052	ND	0.0042														
1,2-Dibromoethane	106-93-4			ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	ND	0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,2-Dichlorobenzene	95-50-1	100	1.1	ND	0.14	ND	0.24	ND	0.24	0.086	J 0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	0.019	J 0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,2-Dichloroethane	107-06-2	3.1	0.02	ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	ND	0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,2-Dichloroethene, Total	540-59-0			ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	8.7	J 0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,2-Dichloropropane	78-87-5			ND	0.071	ND	0.12	ND	0.12	ND	0.33	ND	0.077	ND	0.071	ND	0.0011	ND	0.062	ND	0.087	ND	0.28	ND	0.13	ND	0.0015	ND	0.0017	ND	0.0014														
1,3,5-Trimethylbenzene	108-67-8	52	8.4	0.077	J 0.14	0.3	0.24	0.038	J 0.24	0.6	J 0.67	0.092	J 0.15	0.029	J 0.14	0.0003	J 0.0022	0.012	J 0.12	0.1	J 0.17	ND	0.56	1	0.27	ND	0.003	0.0035	ND	0.0028															
1,3-Dichlorobenzene	541-73-1	49	2.4	ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,3-Dichloropropane	142-28-9			ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,3-Dichloropropene, Total	542-75-6			ND	0.035	ND	0.059	ND	0.059	ND	0.17	ND	0.039	ND	0.036	ND	0.0006	ND	0.031	ND	0.044	ND	0.14	ND	0.066	ND	0.0008	ND	0.0009	ND	0.0007														
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
1,4-Dioxane	123-91-1	13	0.1	ND	5.6	ND	9.5	ND	9.4	ND	27	ND	6.2	ND	5.7	ND	0.09	ND	5	ND	7	ND	22	ND	11	ND	0.12	ND	0.14	ND	0.11														
2,2-Dichloropropane	594-20-7			ND	0.14	ND	0.24	ND	0.24	ND	0.67	ND	0.15	ND	0.14	ND	0.0022	ND	0.12	ND	0.17	ND	0.56	ND	0.27	ND	0.003	ND	0.0035	ND	0.0028														
2-Butanone	78-93-3	100	0.12	ND	0.71	ND	1.2	ND	1.2	ND																																			

Table 5

Soil Sampling Results - Composite Samples

Table 5
Fernbrook Park Phase II
Soil Sampling Results - Composite Samples - SVOCs

SAMPLE LOCATION				SB-1		SB-1		SB-2		SB-2		SB-3		SB-4		SB-5		SB-6		SB-6		SB-7		SB-7								
SAMPLING DATE				3/8/2022		3/8/2022		3/8/2022		3/8/2022		3/7/2022		3/7/2022		3/7/2022		3/8/2022		3/8/2022		3/8/2022		3/8/2022								
LAB SAMPLE ID				L2212074-01		L2212074-01 R1		L2212074-02		L2212074-02 R1		L2211829-01		L2211829-02		L2211829-03		L2212074-03		L2212074-03 R1		L2212074-04		L2212074-04 R1								
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL								
SAMPLE DEPTH (ft.)				0-10		0-10		0-10		0-10		0-10		0-10		0-10		0-10		0-10		0-10		0-10								
				Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL					
SEMIVOLATILE ORGANICS BY GC/MS																																
1,2,4,5-Tetrachlorobenzene	95-94-3			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.18		ND	0.2		ND	0.2		ND	0.18		ND	0.18			
1,2,4-Trichlorobenzene	120-82-1			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.18		ND	0.2		ND	0.2		ND	0.18		ND	0.18			
1,2-Dichlorobenzene	95-50-1	100	1.1	ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.18		ND	0.2		ND	0.2		ND	0.18		ND	0.18			
1,3-Dichlorobenzene	541-73-1	49	2.4	ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.18		ND	0.2		ND	0.2		ND	0.18		ND	0.18			
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.18		ND	0.2		ND	0.2		ND	0.18		ND	0.18			
1,4-Dioxane	123-91-1	13	0.1	ND	0.03		ND	0.031		ND	0.03		ND	0.03		ND	0.028		ND	0.027		ND	0.031		ND	0.03		ND	0.028		ND	0.028
2,4,5-Trichlorophenol	95-95-4			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.18		ND	0.2		ND	0.2		ND	0.18		ND	0.18			
2,4,6-Trichlorophenol	88-06-2			ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.11		ND	0.11		ND	0.12		ND	0.11		ND	0.11			
2,4-Dichlorophenol	120-83-2			ND	0.18		ND	0.18		ND	0.18		ND	0.18		ND	0.17		ND	0.16		ND	0.18		ND	0.17		ND	0.16			
2,4-Dimethylphenol	105-67-9			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.18		ND	0.2		ND	0.18		ND	0.18			
2,4-Dinitrophenol	51-28-5			ND	0.96		ND	0.98		ND	0.95		ND	0.95		ND	0.89		ND	0.88		ND	0.98		ND	0.88		ND	0.88			
2,4-Dinitrotoluene	121-14-2			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.18		ND	0.2		ND	0.18		ND	0.18			
2,6-Dinitrotoluene	606-20-2			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
2-Chloronaphthalene	91-58-7			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
2-Chlorophenol	95-57-8			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
2-Methylnaphthalene	91-57-6			0.23	J	0.24	0.25	0.24	0.23	J	0.24	0.13	J	0.24	5.5	2.2	0.27	0.22	1.1	0.22	0.66	0.24	0.3	0.24	0.19	J	0.22	0.094	J	0.22		
2-Methylphenol	95-48-7	100	0.33	0.034	J	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	1.9	ND	0.19	ND	0.18	ND	0.2	ND	0.2	ND	0.18	ND	0.18	ND	0.18		
2-Nitroaniline	88-74-4			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
2-Nitrophenol	88-75-5			ND	0.43		ND	0.44		ND	0.43		ND	0.43		ND	0.4		ND	0.39		ND	0.44		ND	0.4		ND	0.4			
3,3'-Dichlorobenzidine	91-94-1			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	100	0.33	0.04	J	0.29	ND	0.29	0.086	J	0.28	0.057	J	0.28	ND	2.7	ND	0.27	0.042	J	0.26	0.032	J	0.29	ND	0.29	0.047	J	0.26	0.033	J	0.26
3-Nitroaniline	99-09-2			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
4,6-Dinitro-o-cresol	534-52-1			ND	0.52		ND	0.53		ND	0.51		ND	0.52		ND	0.48		ND	0.48		ND	0.53		ND	0.48		ND	0.48			
4-Bromophenyl phenyl ether	101-55-3			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
4-Chloroaniline	106-47-8			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
4-Chlorophenyl phenyl ether	7005-72-3			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
4-Nitroaniline	100-01-6			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
4-Nitrophenol	100-02-7			ND	0.28		ND	0.28		ND	0.28		ND	0.28		ND	0.26		ND	0.26		ND	0.29		ND	0.28		ND	0.26			
Acenaphthene	83-32-9	100	20	0.16		0.16	0.24	0.16	0.024	J	0.16	0.033	J	0.16	4.4	1.5	0.42	0.15	0.12	J	0.15	0.51	0.16	0.2	0.16	0.045	J	0.15	0.025	J	0.15	
Acenaphthylene	208-96-8	100	100	ND	0.16		ND	0.16		ND	0.16		ND	0.16	1.8	1.5	ND	0.15	0.11	J	0.15	ND	0.16	ND	0.16	0.22	0.15	0.096	J	0.15		
Acetophenone	98-86-2			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
Anthracene	120-12-7	100	100	0.11	J	0.12	0.12	0.12	ND	0.12	0.061	J	0.12	8	1.1	0.22	0.11	0.16	0.11	0.3	0.12	0.091	J	0.12	0.26	0.11	0.11	0.11	0.11			
Benzo(a)anthracene	56-55-3	1	1	0.14		0.12	0.17	0.12	0.1	J	0.12	0.15	0.12	14	1.1	0.22	0.11	0.5	0.11	0.2	0.12	0.13	0.12	0.82	0.11	0.28	0.11	0.28	0.11			
Benzo(a)pyrene	50-32-8	1	1	0.16		0.16	0.17	0.16	0.1	J	0.16	0.14	J	0.16	13	1.5	0.17	0.15	0.57	0.15	0.16	0.16	0.13	J	0.16	0.81	0.15	0.29	0.15			
Benzo(b)fluoranthene	205-99-2	1	1	0.19		0.12	0.19	0.12	0.14		0.12	0.16	0.12	14	1.1	0.22	0.11	0.65	0.11	0.21	0.12	0.17	0.12	0.88	0.11	0.31	0.11	0.31	0.11			
Benzo(ghi)perylene	191-24-2	100	100	0.12	J	0.16	0.11	J	0.16	0.08	J	0.16	0.093	J	0.16	7.5	1.5	0.11	J	0.15	0.41	0.15	0.12	J	0.16	0.084	J	0.16	0.51	0.2	0.15	
Benzo(k)fluoranthene	207-08-9	3.9	0.8	0.056	J	0.12	0.073	J	0.12	0.039	J	0.12	0.053	J	0.12	5.3	1.1	0.071	J	0.11	0.22	0.11	0.064	J	0.12	0.05	J	0.12	0.31	0.11	0.11	
Benzoic Acid	65-85-0			ND	0.65		ND	0.66		ND	0.64		ND	0.64		ND	6		ND	0.6	ND	0.59	ND	0.66	ND	0.6	ND	0.59	ND			
Benzyl Alcohol	100-51-6			ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.19		ND	0.19		ND	0.2		ND	0.18		ND	0.18			
Biphenyl	92-52-4			ND	0.46		ND	0.46	0.032	J	0.45	ND	0.45	0.39	J	4.2	ND	0.42	0.073	J	0.42	0.044	J	0.47	ND	0.46	0.044	J	0.42	ND	0.42	
Bis(2-chloroethoxy)methane	111-91-1			ND																												

Table 5
Fernbrook Park Phase II
Soil Sampling Results - Composite Samples - SVOCs

SAMPLE LOCATION	CAS Number	RRSCOs	UUSCOs	SB-8	SB-9	SB-10	SB-10	SB-11	SB-11	SB-12	SB-13	SB-13	SB-14	SB-14																			
				3/7/2022	3/7/2022	3/7/2022	3/7/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022																				
				L2211829-04	L2211829-05	L2211829-06	L2211829-06 R1	L2212074-05	L2212074-05 R1	L2211829-07	L2212074-06	L2212074-06 R1	L2212074-07	L2212074-07 R1																			
				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL																			
				0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10																			
Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL	Results	Q	RL							
SEMIVOLATILE ORGANICS BY GC/MS																																	
1,2,4,5-Tetrachlorobenzene	95-94-3			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
1,2,4-Trichlorobenzene	120-82-1			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
1,2-Dichlorobenzene	95-50-1	100	1.1	ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
1,3-Dichlorobenzene	541-73-1	49	2.4	ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
1,4-Dichlorobenzene	106-46-7	13	1.8	ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
1,4-Dioxane	123-91-1	13	0.1	ND	0.028	ND	0.032	ND	0.027	-	-	ND	0.14	ND	0.028	ND	0.032	ND	0.15	ND	0.091	ND	0.14	ND	0.14								
2,4,5-Trichlorophenol	95-95-4			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2,4,6-Trichlorophenol	88-06-2			ND	0.11	ND	0.13	ND	0.11	-	-	ND	0.57	ND	0.11	ND	0.13	ND	0.61	ND	0.36	ND	0.56	ND	0.56								
2,4-Dichlorophenol	120-83-2			ND	0.17	ND	0.19	ND	0.16	-	-	ND	0.86	ND	0.17	ND	0.19	ND	0.92	ND	0.54	ND	0.84	ND	0.85								
2,4-Dimethylphenol	105-67-9			ND	0.19	0.22	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2,4-Dinitrophenol	51-28-5			ND	0.91	ND	1	ND	0.87	-	-	ND	4.6	ND	0.91	ND	1	ND	4.9	ND	2.9	ND	4.5	ND	4.5								
2,4-Dinitrotoluene	121-14-2			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2,6-Dinitrotoluene	606-20-2			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2-Chloronaphthalene	91-58-7			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2-Chlorophenol	95-57-8			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2-Methylnaphthalene	91-57-6			0.076	J	0.23	1.3	0.26	12	E	0.22	9.7	1.1	1.4	1.1	2.3	0.23	0.076	J	0.26	2.4	1.2	1.8	0.72	0.36	J	1.1	1.5	1.1				
2-Methylphenol	95-48-7	100	0.33	ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2-Nitroaniline	88-74-4			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
2-Nitrophenol	88-75-5			ND	0.41	ND	0.46	ND	0.39	-	-	ND	2	ND	0.41	ND	0.46	ND	2.2	ND	1.3	ND	2	ND	2	ND	2	ND					
3,3'-Dichlorobenzidine	91-94-1			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	100	0.33	ND	0.27	0.04	J	0.31	ND	0.26	-	-	ND	1.4	0.046	J	0.27	ND	0.31	ND	1.5	ND	0.87	ND	1.4	ND	1.4	ND					
3-Nitroaniline	99-09-2			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
4,6-Dinitro-o-cresol	534-52-1			ND	0.49	ND	0.56	ND	0.47	-	-	ND	2.5	ND	0.49	ND	0.56	ND	2.7	ND	1.6	ND	2.4	ND	2.4	ND	2.4	ND					
4-Bromophenyl phenyl ether	101-55-3			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
4-Chloroaniline	106-47-8			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
4-Chlorophenyl phenyl ether	7005-72-3			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
4-Nitroaniline	100-01-6			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
4-Nitrophenol	100-02-7			ND	0.26	ND	0.3	ND	0.25	-	-	ND	1.3	ND	0.26	ND	0.3	ND	1.4	ND	0.84	ND	1.3	ND	1.3	ND	1.3	ND					
Acenaphthene	83-32-9	100	20	0.14	J	0.15	0.79	0.17	1.7	0.14	-	-	0.12	J	0.76	0.18	0.15	0.087	J	0.17	ND	0.82	0.079	J	0.48	1.4	0.75	3	0.75				
Acenaphthylene	208-96-8	100	100	ND	0.15	ND	0.17	ND	0.14	-	-	ND	0.76	ND	0.15	0.41	0.17	ND	0.82	ND	0.48	1.9	0.75	2.3	0.75	ND	2.3	0.75					
Acetophenone	98-86-2			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
Anthracene	120-12-7	100	100	0.21	0.11	0.34	0.13	3.3	0.11	-	-	ND	0.57	0.094	J	0.11	0.64	0.13	ND	0.61	ND	0.36	5.3	0.56	7.4	0.56	ND	7.4	0.56				
Benzo(a)anthracene	56-55-3	1	1	0.28	0.11	0.38	0.13	11	E	0.11	8.3	0.55	0.18	J	0.57	0.14	0.11	2.6	0.13	0.35	J	0.61	0.35	J	0.36	9.8	0.56	9	0.56				
Benzo(a)pyrene	50-32-8	1	1	0.25	0.15	0.32	0.17	9.7	E	0.14	7.1	0.73	ND	0.76	0.17	0.15	2.1	0.17	0.33	J	0.82	0.37	J	0.48	7.6	0.75	7	0.75					
Benzo(b)fluoranthene	205-99-2	1	1	0.29	0.11	0.37	0.13	14	E	0.11	9.2	0.55	0.28	J	0.57	0.26	0.11	2.8	0.13	0.41	J	0.61	0.42	0.36	9	0.56	7.6	0.56					
Benzo(ghi)perylene	191-24-2	100	100	0.16	0.15	0.2	0.17	5.4	0.14	-	-	0.23	J	0.76	0.18	0.15	1.1	0.17	0.3	J	0.82	0.24	J	0.48	3.7	0.75	3.4	0.75					
Benzo(k)fluoranthene	207-08-9	3.9	0.8	0.11	0.11	0.14	0.13	2.4	0.11	-	-	ND	0.57	0.071	J	0.11	0.92	0.13	ND	0.61	0.14	J	0.36	2.4	0.56	3.1	0.56						
Benzoic Acid	65-85-0			ND	0.61	ND	0.69	ND	0.59	-	-	ND	3.1	ND	0.61	ND	0.7	ND	3.3	ND	2	ND	3	ND	3	ND	3	ND					
Benzyl Alcohol	100-51-6			ND	0.19	ND	0.21	ND	0.18	-	-	ND	0.95	ND	0.19	ND	0.21	ND	1	ND	0.6	ND	0.94	ND	0.94								
Biphenyl	92-52-4			ND	0.43	0.061	J	0.49	0.095	J	0.42	-	-	0.23	J	2.2	0.27	J	0.43	ND	0.49	0.19	J	2.3	0.12	J	1.4	0.17	J	2.1	0.55	J	2.1
Bis(2-chloroethoxy)methane	111-91-1			ND	0.2	ND	0.23	ND	0.2	-	-	ND	1	ND	0.2	ND	0.23	ND															

Table 5
Fernbrook Park Phase II
Soil Sampling Results - Composite Samples - Non-SVOCs

SAMPLE LOCATION	CAS Number	RRSCOs	UUSCOs	SB-5		SB-9	
SAMPLING DATE				3/7/2022		3/7/2022	
LAB SAMPLE ID				L2211829-03		L2211829-05	
SAMPLE TYPE				SOIL		SOIL	
SAMPLE DEPTH (ft.)				0-10		0-10	
				Results	Q RL	Results	Q RL
POLYCHLORINATED BIPHENYLS BY GC							
Aroclor 1016	12674-11-2	1	0.1	ND	0.0366	ND	0.0421
Aroclor 1221	11104-28-2	1	0.1	ND	0.0366	ND	0.0421
Aroclor 1232	11141-16-5	1	0.1	ND	0.0366	ND	0.0421
Aroclor 1242	53469-21-9	1	0.1	ND	0.0366	ND	0.0421
Aroclor 1248	12672-29-6	1	0.1	ND	0.0366	ND	0.0421
Aroclor 1254	11097-69-1	1	0.1	0.0937	0.0366	ND	0.0421
Aroclor 1260	11096-82-5	1	0.1	0.0635	0.0366	0.00905 J	0.0421
Aroclor 1262	37324-23-5	1	0.1	ND	0.0366	ND	0.0421
Aroclor 1268	11100-14-4	1	0.1	ND	0.0366	ND	0.0421
PCBs, Total	1336-36-3	1	0.1	0.157	0.0366	0.00905 J	0.0421
TOTAL METALS							
Aluminum, Total	7429-90-5			5300	8.62	5010	10.3
Antimony, Total	7440-36-0			1.22 J	4.31	1.04 J	5.14
Arsenic, Total	7440-38-2	16	13	6.3	0.862	7.1	1.03
Barium, Total	7440-39-3	400	350	77.4	0.862	45.3	1.03
Beryllium, Total	7440-41-7	72	7.2	0.267 J	0.431	0.596	0.514
Cadmium, Total	7440-43-9	4.3	2.5	0.785 J	0.862	0.668 J	1.03
Calcium, Total	7440-70-2			10400	8.62	5280	10.3
Chromium, Total	7440-47-3	180	30	15.3	0.862	14.6	1.03
Cobalt, Total	7440-48-4			6.33	1.72	11.2	2.06
Copper, Total	7440-50-8	270	50	45	0.862	54.8	1.03
Iron, Total	7439-89-6			12600	4.31	8800	5.14
Lead, Total	7439-92-1	400	63	167	4.31	340	5.14
Magnesium, Total	7439-95-4			2530	8.62	1990	10.3
Manganese, Total	7439-96-5	2000	1600	152	0.862	87.2	1.03
Mercury, Total	7439-97-6	0.81	0.18	3.86	0.143	2.41	0.082
Nickel, Total	7440-02-0	310	30	13.1	2.16	19.1	2.57
Potassium, Total	7440-09-7			763	216	463	257
Selenium, Total	7782-49-2	180	3.9	0.673 J	1.72	0.442 J	2.06
Silver, Total	7440-22-4	180	2	ND	0.862	ND	1.03
Sodium, Total	7440-23-5			371	172	435	206
Thallium, Total	7440-28-0			ND	1.72	ND	2.06
Vanadium, Total	7440-62-2			18.9	0.862	16.2	1.03
Zinc, Total	7440-66-6	10000	109	157	4.31	141	5.14

Sample reporting limit exceeds NY-RESRR and NY-UNRES standards

Sample concentration exceeds NY-UNRES standards

Sample concentration exceeds NY-UNRES and NY-RESRR standards

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

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

ND - Analyte not detected above the laboratory reporting limit

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit(MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for TentativelyIdentified Compounds (TICs).

Table 6

Soil Sampling Results – Emerging Contaminants

Table 6
Fernbrook Park Phase II
Soil Sampling Results - Emerging Contaminants

LOCATION	CasNum	NY- UNRES	NY- RESRR	Units	SB-6		
SAMPLING DATE					3/8/2022		
LAB SAMPLE ID					L2212074-03		
SAMPLE TYPE					SOIL		
SAMPLE DEPTH (ft.)					0-10		
					Results	Q	RL
PERFLUORINATED ALKYL ACIDS BY ISOTOPE DILUTION							
Perfluorobutanoic Acid (PFBA)	375-22-4			mg/kg	ND		0.000604
Perfluoropentanoic Acid (PFPeA)	2706-90-3			mg/kg	ND		0.000604
Perfluorobutanesulfonic Acid (PFBS)	375-73-5			mg/kg	ND		0.000302
Perfluorohexanoic Acid (PFHxA)	307-24-4			mg/kg	ND		0.000604
Perfluoroheptanoic Acid (PFHpA)	375-85-9			mg/kg	ND		0.000302
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4			mg/kg	ND		0.000302
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.033	mg/kg	ND		0.000302
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2			mg/kg	ND		0.000604
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8			mg/kg	ND		0.000604
Perfluorononanoic Acid (PFNA)	375-95-1			mg/kg	ND		0.000302
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.044	mg/kg	0.000177	J	0.000302
Perfluorodecanoic Acid (PFDA)	335-76-2			mg/kg	ND		0.000302
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4			mg/kg	ND		0.000604
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9			mg/kg	ND		0.000604
Perfluoroundecanoic Acid (PFUnA)	2058-94-8			mg/kg	ND		0.000604
Perfluorodecanesulfonic Acid (PFDS)	335-77-3			mg/kg	ND		0.000604
Perfluorooctanesulfonamide (FOSA)	754-91-6			mg/kg	ND		0.000604
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6			mg/kg	ND		0.000604
Perfluorododecanoic Acid (PFDoA)	307-55-1			mg/kg	ND		0.000604
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8			mg/kg	ND		0.000604
Perfluorotetradecanoic Acid (PFTA)	376-06-7			mg/kg	ND		0.000604
PFOA/PFOS, Total				mg/kg	0.000177	J	0.000302

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective June 2021

NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective June 2021

ND - Analyte not detected above the laboratory reporting limit

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit(MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for TentativelyIdentified Compounds (TICs).

Table 7

Groundwater Sampling Results

Table 7
Fernbrook Park Phase II
Groundwater Sampling Results

LOCATION		SAMPLE ID:	TW-1			TW-2			TW-2		
SAMPLING DATE		LAB ID:	L2212074-08			L2212074-09			L2212074-09 R1		
LAB SAMPLE ID		COLLECTION DATE:	3/8/2022			3/8/2022			3/8/2022		
SAMPLE TYPE		SAMPLE MATRIX:	WATER			WATER			WATER		
ANALYTE	CAS	NY-TOGS-GA (ug/l)	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
VOLATILE ORGANICS BY GC/MS											
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		5	ND		5	-	-	-
1,1,1-Trichloroethane	71-55-6	5	ND		5	ND		5	-	-	-
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		1	ND		1	-	-	-
1,1,2-Trichloroethane	79-00-5	1	ND		3	ND		3	-	-	-
1,1-Dichloroethane	75-34-3	5	ND		5	ND		5	-	-	-
1,1-Dichloroethene	75-35-4	5	ND		1	ND		1	-	-	-
1,1-Dichloropropene	563-58-6	5	ND		5	ND		5	-	-	-
1,2,3-Trichlorobenzene	87-61-6	5	ND		5	ND		5	-	-	-
1,2,3-Trichloropropane	96-18-4	0.04	ND		5	ND		5	-	-	-
1,2,4,5-Tetramethylbenzene	95-93-2	5	10		4	45		4	-	-	-
1,2,4-Trichlorobenzene	120-82-1	5	ND		5	ND		5	-	-	-
1,2,4-Trimethylbenzene	95-63-6	5	ND		5	58		5	-	-	-
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		5	ND		5	-	-	-
1,2-Dibromoethane	106-93-4	0.0006	ND		4	ND		4	-	-	-
1,2-Dichlorobenzene	95-50-1	3	ND		5	ND		5	-	-	-
1,2-Dichloroethane	107-06-2	0.6	ND		1	ND		1	-	-	-
1,2-Dichloroethene, Total	540-59-0		ND		5	53	J	5	-	-	-
1,2-Dichloropropane	78-87-5	1	ND		2	ND		2	-	-	-
1,3,5-Trimethylbenzene	108-67-8	5	ND		5	14		5	-	-	-
1,3-Dichlorobenzene	541-73-1	3	ND		5	ND		5	-	-	-
1,3-Dichloropropane	142-28-9	5	ND		5	ND		5	-	-	-
1,3-Dichloropropene, Total	542-75-6		ND		1	ND		1	-	-	-
1,4-Dichlorobenzene	106-46-7	3	ND		5	ND		5	-	-	-
1,4-Dioxane	123-91-1		ND		500	ND		500	-	-	-
2,2-Dichloropropane	594-20-7	5	ND		5	ND		5	-	-	-
2-Butanone	78-93-3	50	ND		10	ND		10	-	-	-
2-Hexanone	591-78-6	50	ND		10	ND		10	-	-	-
4-Methyl-2-pentanone	108-10-1		ND		10	ND		10	-	-	-
Acetone	67-64-1	50	10		10	120		10	-	-	-
Acrylonitrile	107-13-1	5	ND		10	ND		10	-	-	-
Benzene	71-43-2	1	0.34	J	1	30		1	-	-	-
Bromobenzene	108-86-1	5	ND		5	ND		5	-	-	-
Bromochloromethane	74-97-5	5	ND		5	ND		5	-	-	-
Bromodichloromethane	75-27-4	50	ND		1	ND		1	-	-	-
Bromoform	75-25-2	50	ND		4	ND		4	-	-	-
Bromomethane	74-83-9	5	ND		5	ND		5	-	-	-
Carbon disulfide	75-15-0	60	ND		10	ND		10	-	-	-
Carbon tetrachloride	56-23-5	5	ND		1	ND		1	-	-	-
Chlorobenzene	108-90-7	5	ND		5	ND		5	-	-	-
Chloroethane	75-00-3	5	ND		5	ND		5	-	-	-
Chloroform	67-66-3	7	ND		5	ND		5	-	-	-
Chloromethane	74-87-3		ND		5	ND		5	-	-	-
cis-1,2-Dichloroethene	156-59-2	5	ND		5	51		5	-	-	-
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		1	ND		1	-	-	-
Dibromochloromethane	124-48-1	50	ND		1	ND		1	-	-	-
Dibromomethane	74-95-3	5	ND		10	ND		10	-	-	-
Dichlorodifluoromethane	75-71-8	5	ND		10	ND		10	-	-	-
Ethyl ether	60-29-7		ND		5	ND		5	-	-	-

Table 6
Fernbrook Park Phase II
Groundwater Sampling Results

LOCATION		SAMPLE ID:	TW-1			TW-2			TW-2		
SAMPLING DATE		LAB ID:	L2212074-08			L2212074-09			L2212074-09 R1		
LAB SAMPLE ID		COLLECTION DATE:	3/8/2022			3/8/2022			3/8/2022		
SAMPLE TYPE		SAMPLE MATRIX:	WATER			WATER			WATER		
ANALYTE	CAS	NY-TOGS-GA (ug/l)	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
Ethylbenzene	100-41-4	5	ND		5	13		5	-	-	-
Hexachlorobutadiene	87-68-3	0.5	ND		5	ND		5	-	-	-
Isopropylbenzene	98-82-8	5	ND		5	2.5	J	5	-	-	-
Methyl tert butyl ether	1634-04-4	10	ND		5	ND		5	-	-	-
Methylene chloride	75-09-2	5	ND		5	ND		5	-	-	-
Naphthalene	91-20-3	10	ND		5	76		5	-	-	-
n-Butylbenzene	104-51-8	5	5.1		5	4.3	J	5	-	-	-
n-Propylbenzene	103-65-1	5	ND		5	6.8		5	-	-	-
o-Chlorotoluene	95-49-8	5	ND		5	ND		5	-	-	-
o-Xylene	95-47-6	5	ND		5	28		5	-	-	-
p/m-Xylene	179601-23-1	5	ND		5	46		5	-	-	-
p-Chlorotoluene	106-43-4	5	ND		5	ND		5	-	-	-
p-Diethylbenzene	105-05-5		ND		4	39		4	-	-	-
p-Ethyltoluene	622-96-8		ND		4	42		4	-	-	-
p-Isopropyltoluene	99-87-6	5	ND		5	2.6	J	5	-	-	-
sec-Butylbenzene	135-98-8	5	4.4	J	5	2.6	J	5	-	-	-
Styrene	100-42-5	930	ND		5	ND		5	-	-	-
tert-Butylbenzene	98-06-6	5	1.7	J	5	ND		5	-	-	-
Tetrachloroethene	127-18-4	5	ND		1	ND		1	-	-	-
Toluene	108-88-3	5	ND		5	100		5	-	-	-
trans-1,2-Dichloroethene	156-60-5	5	ND		5	2.2	J	5	-	-	-
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		1	ND		1	-	-	-
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		5	ND		5	-	-	-
Trichloroethene	79-01-6	5	ND		1	0.8	J	1	-	-	-
Trichlorofluoromethane	75-69-4	5	ND		5	ND		5	-	-	-
Vinyl acetate	108-05-4		ND		10	ND		10	-	-	-
Vinyl chloride	75-01-4	2	ND		2	7.4		2	-	-	-
Xylenes, Total	1330-20-7		ND		5	74		5	-	-	-
Total VOCs			31.54	-	-	691.2	-	-	-	-	-

Table 6
Fernbrook Park Phase II
Groundwater Sampling Results

LOCATION		SAMPLE ID:	TW-1			TW-2			TW-2		
SAMPLING DATE		LAB ID:	L2212074-08			L2212074-09			L2212074-09 R1		
LAB SAMPLE ID		COLLECTION DATE:		3/8/2022			3/8/2022			3/8/2022	
SAMPLE TYPE		SAMPLE MATRIX:		WATER			WATER			WATER	
ANALYTE	CAS	NY-TOGS-GA (ug/l)	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
SEMIVOLATILE ORGANICS BY GC/MS											
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ND	10		ND	10		-	-	-
1,2,4-Trichlorobenzene	120-82-1	5	ND	5		ND	5		-	-	-
1,2-Dichlorobenzene	95-50-1	3	ND	2		ND	2		-	-	-
1,3-Dichlorobenzene	541-73-1	3	ND	2		ND	2		-	-	-
1,4-Dichlorobenzene	106-46-7	3	ND	2		ND	2		-	-	-
2,4,5-Trichlorophenol	95-95-4		ND	5		ND	5		-	-	-
2,4,6-Trichlorophenol	88-06-2		ND	5		ND	5		-	-	-
2,4-Dichlorophenol	120-83-2	2	ND	5		ND	5		-	-	-
2,4-Dimethylphenol	105-67-9	2	ND	5		ND	5		-	-	-
2,4-Dinitrophenol	51-28-5	2	ND	20		ND	20		-	-	-
2,4-Dinitrotoluene	121-14-2	5	ND	5		ND	5		-	-	-
2,6-Dinitrotoluene	606-20-2	5	ND	5		ND	5		-	-	-
2-Chlorophenol	95-57-8		ND	2		ND	2		-	-	-
2-Methylphenol	95-48-7		ND	5		2.7	J	5	-	-	-
2-Nitroaniline	88-74-4	5	ND	5		ND	5		-	-	-
2-Nitrophenol	88-75-5		ND	10		ND	10		-	-	-
3,3'-Dichlorobenzidine	91-94-1	5	ND	5		ND	5		-	-	-
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5		ND	5		36	5		-	-	-
3-Nitroaniline	99-09-2	5	ND	5		ND	5		-	-	-
4,6-Dinitro-o-cresol	534-52-1		ND	10		ND	10		-	-	-
4-Bromophenyl phenyl ether	101-55-3		ND	2		ND	2		-	-	-
4-Chloroaniline	106-47-8	5	ND	5		ND	5		-	-	-
4-Chlorophenyl phenyl ether	7005-72-3		ND	2		ND	2		-	-	-
4-Nitroaniline	100-01-6	5	ND	5		ND	5		-	-	-
4-Nitrophenol	100-02-7		ND	10		ND	10		-	-	-
Acetophenone	98-86-2		ND	5		ND	5		-	-	-
Benzoic Acid	65-85-0		ND	50		2300	E	50	2400		1000
Benzyl Alcohol	100-51-6		ND	2		620	E	2	680		40
Biphenyl	92-52-4		ND	2		4		2	-	-	-
Bis(2-chloroethoxy)methane	111-91-1	5	ND	5		ND	5		-	-	-
Bis(2-chloroethyl)ether	111-44-4	1	ND	2		ND	2		-	-	-
Bis(2-chloroisopropyl)ether	108-60-1	5	ND	2		ND	2		-	-	-
Bis(2-ethylhexyl)phthalate	117-81-7	5	ND	3		14		3	-	-	-
Butyl benzyl phthalate	85-68-7	50	ND	5		ND	5		-	-	-
Carbazole	86-74-8		ND	2		ND	2		-	-	-
Dibenzofuran	132-64-9		ND	2		ND	2		-	-	-
Diethyl phthalate	84-66-2	50	ND	5		6.8		5	-	-	-
Dimethyl phthalate	131-11-3	50	ND	5		ND	5		-	-	-
Di-n-butylphthalate	84-74-2	50	ND	5		ND	5		-	-	-
Di-n-octylphthalate	117-84-0	50	ND	5		ND	5		-	-	-
Hexachlorocyclopentadiene	77-47-4	5	ND	20		ND	20		-	-	-
Isophorone	78-59-1	50	ND	5		ND	5		-	-	-
NDPA/DPA	86-30-6	50	ND	2		ND	2		-	-	-
Nitrobenzene	98-95-3	0.4	ND	2		ND	2		-	-	-
n-Nitrosodi-n-propylamine	621-64-7		ND	5		ND	5		-	-	-
p-Chloro-m-cresol	59-50-7		ND	2		ND	2		-	-	-
Phenol	108-95-2	2	ND	5		10		5	-	-	-
Total SVOCs			-	-	-	2993.5	-	-	3080	-	-

Table 6
Fernbrook Park Phase II
Groundwater Sampling Results

LOCATION		SAMPLE ID:	TW-1			TW-2			TW-2		
SAMPLING DATE		LAB ID:	L2212074-08			L2212074-09			L2212074-09 R1		
LAB SAMPLE ID		COLLECTION DATE:	3/8/2022			3/8/2022			3/8/2022		
SAMPLE TYPE		SAMPLE MATRIX:	WATER			WATER			WATER		
ANALYTE	CAS	NY-TOGS-GA (ug/l)	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
SEMIVOLATILE ORGANICS BY GC/MS-SIM											
2-Chloronaphthalene	91-58-7	10	ND	0.2		ND		2	-	-	-
2-Methylnaphthalene	91-57-6		0.42	0.1		31		1	-	-	-
Acenaphthene	83-32-9	20	0.38	0.1		ND		1	-	-	-
Acenaphthylene	208-96-8		ND	0.1		0.59	J	1	-	-	-
Anthracene	120-12-7	50	ND	0.1		ND		1	-	-	-
Benzo(a)anthracene	56-55-3	0.002	1.6	0.1		0.54	J	1	-	-	-
Benzo(a)pyrene	50-32-8	0	1.1	0.1		0.38	J	1	-	-	-
Benzo(b)fluoranthene	205-99-2	0.002	1.4	0.1		0.6	J	1	-	-	-
Benzo(ghi)perylene	191-24-2		0.64	0.1		0.65	J	1	-	-	-
Benzo(k)fluoranthene	207-08-9	0.002	0.46	0.1		0.18	J	1	-	-	-
Chrysene	218-01-9	0.002	0.93	0.1		0.47	J	1	-	-	-
Dibenzo(a,h)anthracene	53-70-3		0.13	0.1		ND		1	-	-	-
Fluoranthene	206-44-0	50	5.5	0.1		0.78	J	1	-	-	-
Fluorene	86-73-7	50	0.42	0.1		2.2		1	-	-	-
Hexachlorobenzene	118-74-1	0.04	ND	0.8		ND		8	-	-	-
Hexachlorobutadiene	87-68-3	0.5	ND	0.5		ND		5	-	-	-
Hexachloroethane	67-72-1	5	ND	0.8		ND		8	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.66	0.1		0.49	J	1	-	-	-
Naphthalene	91-20-3	10	0.32	0.1		55		1	-	-	-
Pentachlorophenol	87-86-5	2	ND	0.8		ND		8	-	-	-
Phenanthrene	85-01-8	50	0.77	0.1		3.6		1	-	-	-
Pyrene	129-00-0	50	5.6	0.1		1.2		1	-	-	-
Total SVOCs			20.33	-	-	97.68	-	-	-	-	-

Sample reporting limit exceeds NY-TOGS-GA standards

Sample concentration exceeds NY-TOGS-GA standards

NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.

ND - Analyte not detected above the laboratory reporting limit

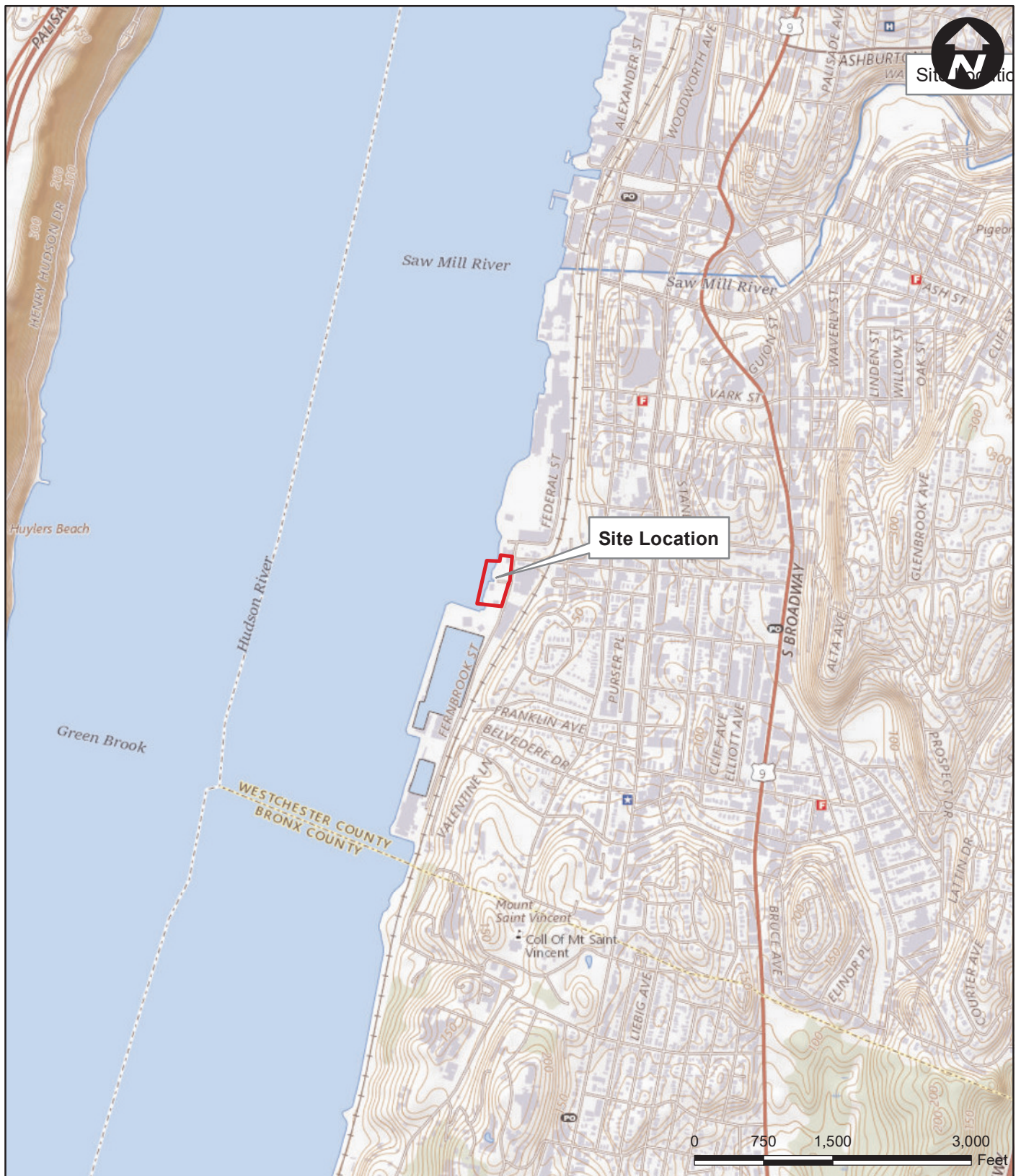
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit(MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for TentativelyIdentified Compounds (TICs).

Figures

Figure 1

USGS Site Location Map



Legend

Site Location



ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

Sources:
USGS, US Topo, The National Map
Yonkers Quad, 2019
STATE PLANE COORDINATES
E 1009941
N 275781

USGS SITE LOCATION MAP

Fernbrook Park Site

70 Fernbrook Street

City of Yonkers, Westchester County, New York

Drawn By: ML

Scale: 1" = 1,500'

Project No. 02980.0017

Chk'd By: ES

Date: 2/28/2022

Figure No. 1

Path: P:\02980\0017\DWGs\Y-GIS\Maps\Fig01_USGS_20220221_00.mxd

Figure 2

Soil Sample Location Map



Legend

- Soil Sample Location
- Site Location
- Active AST
- ▲ Storm Drain
- Electric Line



ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

SOIL SAMPLE LOCATION MAP

Fernbrook Park Site
70 Fernbrook Street
City of Yonkers, Westchester County, New York

Note:
Storm Drains, Electric Line
and Areas of Interest locations are
approximate.

Sources:
Esri, World Transportation, 2021
Esri, World Imagery, 2021

Drawn By: ML

Chk'd By: ES

Scale: 1" = 80'

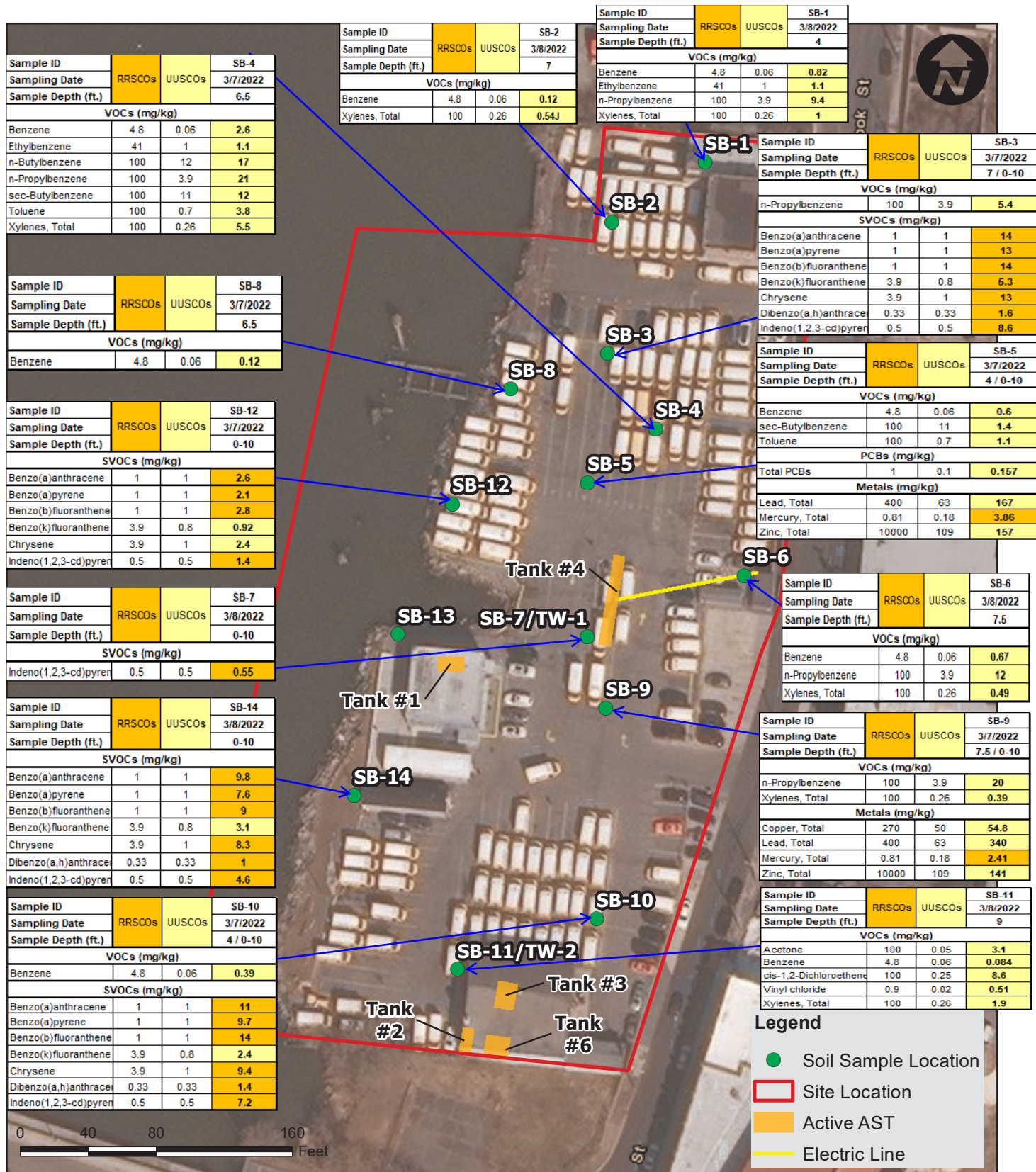
Date: 3/31/2022

Project No. 02980.0017

Figure No. 2

Figure 3

Exceedances to UUSCO and RRSCO



Note:
Electric Line and Areas of Interest locations are approximate.

Sources:
Esri, World Transportation, 2021
Esri, World Imagery, 2021

ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

EXCEEDANCES TO UUSCO AND RRSCO

Fernbrook Park Site
70 Fernbrook Street
City of Yonkers, Westchester County, New York

Drawn By: ML	Scale: 1" = 80'	Project No. 02980.0017
Chk'd By: ES	Date: 4/6/2022	Figure No. 3

Figure 4

Exceedances to TOGS 1.1.1



Fernbrook St
198

101

Tank #4

SB-7/TW-1

Tank #1

Tank #3

SB-11/TW-2

Tank #2

Tank #6

Legend

- Groundwater Sample Location
- Site Location
- Active AST
- Electric Line

SAMPLE ID:	TW-2	
COLLECTION DATE	3/8/2022	
DEPTH TO WATER	3.5	
ANALYTE	TOGS 1.1.1 (µg/L)	RESULT (µg/L)
1,2,4,5-Tetramethylbenzene	5	45
1,2,4-Trimethylbenzene	5	58
1,3,5-Trimethylbenzene	5	14
Acetone	50	120
Benzene	1	30
cis-1,2-Dichloroethene	5	51
Ethylbenzene	5	13
Naphthalene	10	76
n-Propylbenzene	5	6.8
o-Xylene	5	28
p/m-Xylene	5	46
Toluene	5	100
Vinyl chloride	2	7.4
Bis(2-ethylhexyl)phthalate	5	14
Phenol	2	10
Benzo(a)anthracene	0.002	0.54
Benzo(a)pyrene	0	0.38
Benzo(b)fluoranthene	0.002	0.6
Benzo(k)fluoranthene	0.002	0.18
Chrysene	0.002	0.47
Indeno(1,2,3-cd)pyrene	0.002	0.49
Naphthalene	10	55

SAMPLE ID:	TW-1	
COLLECTION DATE	3/8/2022	
DEPTH TO WATER	11.8	
ANALYTE	TOGS 1.1.1 (µg/L)	RESULT (µg/L)
1,2,4,5-Tetramethylbenzene	5	10
n-Butylbenzene	5	5.1
Benzo(a)anthracene	0.002	1.6
Benzo(a)pyrene	0	1.1
Benzo(b)fluoranthene	0.002	1.4
Benzo(k)fluoranthene	0.002	0.46
Chrysene	0.002	0.93
Indeno(1,2,3-cd)pyrene	0.002	0.66

0 40 80 160 Feet



ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

EXCEEDANCES TO TOGS 1.1.1

Fernbrook Park Site
70 Fernbrook Street
City of Yonkers, Westchester County, New York

Note:
Storm Drains and Areas of Interest locations are approximate.

Sources:
Esri, World Transportation, 2021
Esri, World Imagery, 2021

Drawn By: ML

Chk'd By: ES

Scale: 1" = 80'

Date: 4/6/2022

Project No. 02980.0017

Figure No. 4

Appendices

Appendix A

Photographic Log

70 Fernbrook Site
Phase II ESA. Appendix A – Photolog



Photo 1 – Close up view of soil core at SB-9. PS&S field screened the soil cores using a PID meter and collected a grab (VOC) sample at the depth corresponding with the highest reading. Composite samples were collected across the entire soil core.



Photo 2 – Close up view of soil core at SB-11. Strong odor/PID reading, and discoloration were present at this location, among others.



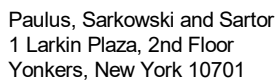
Photo 3 – Monitoring well TW-1, installed at soil boring location SB-7. Wells were 1" slotted PVC, which was purged of 3 well volumes and sampled.



Photo 4 – View of completed boring. Borings were labeled with chalk, backfilled, and sealed with cold-patch asphalt.

Appendix B

Soil Boring Logs



PAGE 1 OF 1

CLIENT <u>City of Yonkers</u>	PROJECT NAME <u>Fernbrook Park Site</u>
PROJECT NUMBER <u>02980.0017</u>	PROJECT LOCATION <u>Yonkers, NY</u>
DATE STARTED <u>3/8/22</u> COMPLETED <u>3/8/22</u>	GROUND ELEVATION _____ HOLE SIZE <u>2" inches</u>
DRILLING CONTRACTOR <u>ADT</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe Direct Push probe</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Eric Stucker</u> CHECKED BY _____	AT END OF DRILLING <u>---</u>
NOTES <u>Refusal at 7 ft.</u>	AFTER DRILLING <u>---</u>

[illegible]

Bottom of borehole at 7.0 feet.

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:\02980\0017\REPORTS\IN-ENVIR\PHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ



Paulus, Sarkowski and Sartor
1 Larkin Plaza, 2nd Floor
Yonkers, New York 10701

BORING NUMBER SB-2

PAGE 1 OF 1

CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/8/22	COMPLETED	3/8/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		AT TIME OF DRILLING	---
NOTES	Refusal at 7 ft.	AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						Concrete	
1.0						(FILL) Dry, brown-black, c-f GRAVEL, some sand, little rock	
2.5							
3.0						Moist, brown-black, c-f SAND, some c-f gravel, little silt	
5.0			51.8				
7.0						Bottom of borehole at 7.0 feet.	Grab sample SB-2 collected at 7 ft

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:0298000017\REPORTS\N-ENV\IR\PHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ



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Yonkers, New York 10701

BORING NUMBER SB-3

PAGE 1 OF 1

CLIENT City of Yonkers

PROJECT NUMBER 02980.0017

DATE STARTED 3/7/22

COMPLETED 3/7/22

DRILLING CONTRACTOR ADT

DRILLING METHOD Geoprobe Direct Push probe

LOGGED BY Eric Stucker

CHECKED BY _____

NOTES _____

PROJECT NAME Fernbrook Park Site

PROJECT LOCATION Yonkers, NY

GROUND ELEVATION _____

HOLE SIZE 2" inches

GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 8.00 ft
AT END OF DRILLING ---
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
						Concrete	
						1.0	
						(FILL) Dry, brown, c-f SAND, some c-f gravel, little stone, trace silt	
2.5							
						3.0	
						(FILL) Dry, gray, c-f GRAVEL, some c-f sand, little stone	
5.0							
						6.5	
			271			Moist, brown, m-f SAND, some silt, little f. gravel	Grab sample SB-3 collected at 7 ft
7.5						▽	
						10.0	

Bottom of borehole at 10.0 feet.

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:\0298000017\REPORTS\EN\ENVIRPHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ



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BORING NUMBER SB-4

CLIENT City of Yonkers

PROJECT NUMBER 02980.0017

DATE STARTED 3/7/22

COMPLETED 3/7/22

DRILLING CONTRACTOR ADT

DRILLING METHOD Geoprobe Direct Push probe

LOGGED BY Eric Stucker

CHECKED BY _____

NOTES _____

PROJECT NAME Fernbrook Park Site

PROJECT LOCATION Yonkers, NY

GROUND ELEVATION _____

HOLE SIZE 2" inches

GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 7.00 ft
AT END OF DRILLING ---
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						Concrete	
1.0						(FILL) Dry, brown, c-f SAND, some c-f gravel, little stone, trace silt	
2.5							
4.0						Moist, brown-black, m-f SAND, some silt, little f. gravel	
5.0							
7.0			500.8			Wet, brown-black, m-f SAND, some silt, little f. gravel	Grab sample SB-4 collected at 6.5 ft
7.5							
10.0							

Bottom of borehole at 10.0 feet.



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BORING NUMBER SB-5

CLIENT City of Yonkers

PROJECT NUMBER 02980.0017

DATE STARTED 3/7/22

COMPLETED 3/7/22

DRILLING CONTRACTOR ADT

DRILLING METHOD Geoprobe Direct Push probe

LOGGED BY Eric Stucker

CHECKED BY _____

NOTES Refusal at 4 ft.

PROJECT NAME Fernbrook Park Site

PROJECT LOCATION Yonkers, NY

GROUND ELEVATION _____

HOLE SIZE 2" inches

GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING ---
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						Concrete	
1.0						(FILL) Dry, gray, c-f GRAVEL and SAND, trace silt and stone	
2.5							
3.0						(FILL) Moist, black, c-f SAND, some m-f gravel, trace silt and stone	
4.0			74.1				

Bottom of borehole at 4.0 feet.

Grab sample SB-5 collected at 4 ft



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BORING NUMBER SB-6

PAGE 1 OF 1

CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/8/22	COMPLETED	3/8/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
						Brick and concrete	
						1.0	
						(FILL) Wet, red-brown, c-f SAND, some brick/debris little c-f gravel	
2.5							
						3.0	
						Wet, black, c-f GRAVEL and SAND, little silt, trace brick	
5.0							
			258				
7.5							
							Grab sample SB-6 collected at 7.5 ft
10.0						10.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER SB-7

PAGE 1 OF 1

CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/8/22	COMPLETED	3/8/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	11.80 ft
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						Concrete	
1.5						Moist, gray-black c-f SAND, some m-f gravel, trace silt	
2.5							
5.0			14.7			Moist, gray-brown, c-f SAND, some m-f gravel, trace silt	Well TW-1 installed at SB-7 and groundwater sample TW-1 collected
7.5						Wet, gray-brown, c-f SAND, some m-f gravel, trace silt	
10.0							Grab sample SB-7 collected at 9 ft

Bottom of borehole at 10.0 feet.



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BORING NUMBER SB-8

CLIENT City of Yonkers

PROJECT NUMBER 02980.0017

DATE STARTED 3/7/22

DRILLING CONTRACTOR ADT

DRILLING METHOD Geoprobe Direct Push probe

LOGGED BY Eric Stucker

NOTES

PROJECT NAME Fernbrook Park Site

PROJECT LOCATION Yonkers, NY

GROUND ELEVATION _____ HOLE SIZE 2" inches

GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 6.00 ft
AT END OF DRILLING ---
AFTER DRILLING ---

COMPLETED 3/7/22

CHECKED BY _____

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
						Asphalt	
						0.5	
						(FILL) Moist, lt. brown, c-f SAND, some m-f gravel, trace silt and debris	
2.5							
						3.5	
						(FILL) Moist, black, c-f SAND, some m-f gravel, little wood/debris	
5.0							
						6.0▽	
			155.3			Wet, black, m-f SAND, some silt, little f. gravel	Grab sample SB-8 collected at 6.5 ft
7.5							
						10.0	
10.0							
Bottom of borehole at 10.0 feet.							

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BORING NUMBER SB-9

CLIENT City of Yonkers

PROJECT NAME Fernbrook Park Site

PROJECT NUMBER 02980.0017

PROJECT LOCATION Yonkers, NY

DATE STARTED 3/7/22 COMPLETED 3/7/22

GROUND ELEVATION _____ HOLE SIZE 2" inches

DRILLING CONTRACTOR ADT

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe Direct Push probe

AT TIME OF DRILLING ---

LOGGED BY Eric Stucker CHECKED BY _____

AT END OF DRILLING ---

NOTES _____

AFTER DRILLING ---

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:\0298000017\REPORTS\N-ENV\IR\PHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
						Concrete	
						1.0	
						(FILL) Dry, brown, c-f SAND, some c-f gravel, little stone, trace silt	
2.5							
						3.0	
						(FILL) Dry, gray, c-f GRAVEL, some c-f sand, little stone	
5.0							
						6.0	
						Moist, brown, m-f SAND, some silt, little f. gravel	
7.5			385.9				Grab sample SB-9 collected at 7.5 ft
						10.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER SB-10

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CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/7/22	COMPLETED	3/7/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		AT TIME OF DRILLING	---
NOTES	Refusal at 4 ft.	AT END OF DRILLING	---
		AFTER DRILLING	---

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:10298000017\REPORTS\N-ENV\IR\PHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
						Concrete	
						1.0	
						(FILL) Dry, gray, c-f GRAVEL and SAND, trace silt and stone	
2.5							
			164				
						4.0	

Bottom of borehole at 4.0 feet.

Grab sample SB-10 collected at 4 ft



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BORING NUMBER SB-11

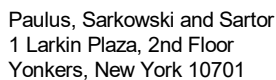
PAGE 1 OF 1

CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/8/22	COMPLETED	3/8/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	3.50 ft
		AFTER DRILLING	---

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:\029800017\REPORTS\EN-VIR\PHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						Concrete	
0.5						(FILL) Dry, gray, c-f SAND, some m-f gravel, trace silt and stone	
2.5							
5.0							
5.0						(FILL) Wet, black, c-f SAND, little m-f gravel and silt, trace stone	Well TW-2 installed at SB-11 and groundwater sample TW-2 collected
7.5							
10.0			358.2				Grab sample SB-11 collected at 9 ft
10.0							

Bottom of borehole at 10.0 feet.



PAGE 1 OF 1

CLIENT <u>City of Yonkers</u>	PROJECT NAME <u>Fernbrook Park Site</u>
PROJECT NUMBER <u>02980.0017</u>	PROJECT LOCATION <u>Yonkers, NY</u>
DATE STARTED <u>3/7/22</u> COMPLETED <u>3/7/22</u>	GROUND ELEVATION _____ HOLE SIZE <u>2" inches</u>
DRILLING CONTRACTOR <u>ADT</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe Direct Push probe</u>	 AT TIME OF DRILLING <u>6.00 ft</u>
LOGGED BY <u>Eric Stucker</u> CHECKED BY _____	AT END OF DRILLING <u>---</u>
NOTES <u>Refusal at 9 ft.</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
0.5					Concrete		
2.5					(FILL) Dry, brown-black, STONE and c-f SAND, little c-f gravel		
5.0					Wet, brown, m-f SAND, some silt, little f. gravel		
7.5					▽		
8.0					Wet, brown-black, m-f SAND, some c-f gravel, trace silt		Grab sample SB-12 collected at 8 ft
9.0							

Bottom of borehole at 9.0 feet.



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Yonkers, New York 10701

BORING NUMBER SB-13

PAGE 1 OF 1

CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/8/22	COMPLETED	3/8/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		AT TIME OF DRILLING	---
NOTES	Refusal at 8 ft.	AT END OF DRILLING	---
		AFTER DRILLING	---

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DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
2.5						(FILL) Dry, gray, STONE, little c-f sand, trace silt	
3.0			2.7			(FILL) Moist, c-f SAND, some c. gravel, trace stone and silt	Grab sample SB-13 collected at 3 ft
5.0							
7.5							
8.0							

Bottom of borehole at 8.0 feet.



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BORING NUMBER SB-14

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CLIENT	City of Yonkers	PROJECT NAME	Fernbrook Park Site
PROJECT NUMBER	02980.0017	PROJECT LOCATION	Yonkers, NY
DATE STARTED	3/8/22	COMPLETED	3/8/22
DRILLING CONTRACTOR	ADT	GROUND ELEVATION	
DRILLING METHOD	Geoprobe Direct Push probe	HOLE SIZE	2" inches
LOGGED BY	Eric Stucker	GROUND WATER LEVELS:	
CHECKED BY		▽ AT TIME OF DRILLING	9.00 ft
NOTES		AT END OF DRILLING	---
		AFTER DRILLING	---

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 4/7/22 15:29 - P:\029800017\REPORTS\N-ENV\IR\PHASE II\ESA\REPORT\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	PID READING (PPM)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0							
						Dry, brown, c-f SAND, little silt and c-f gravel	
						2.0	
2.5						Moist, brown, c-f SAND, some c-f gravel, trace silt	
5.0							
7.5							
						▽	
			1.4				Grab sample SB-14 collected at 10 ft
10.0						10.0	

Bottom of borehole at 10.0 feet.

Appendix C

Laboratory Analytical Reports



ANALYTICAL REPORT

Lab Number:	L2211829
Client:	PS&S Engineering, Inc. 1 Larkin Plaza 2nd Floor Yonkers, NY 10701
ATTN:	Camila Israel
Phone:	(914) 509-8616
Project Name:	FERNBROOK STREET PHASE II
Project Number:	02980.0017
Report Date:	03/28/22

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

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

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



Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2211829-01	SB-3	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 13:55	03/07/22
L2211829-02	SB-4	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 14:25	03/07/22
L2211829-03	SB-5	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 13:20	03/07/22
L2211829-04	SB-8	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 14:50	03/07/22
L2211829-05	SB-9	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 10:20	03/07/22
L2211829-06	SB-10	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 12:20	03/07/22
L2211829-07	SB-12	SOIL	70 FERNBROOK ST, YONKERS, NY	03/07/22 15:15	03/07/22

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Case Narrative

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

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

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

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

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

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

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2211829-01D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (175%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2211829-02D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (179%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2211829-03: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2211829-03: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (141%) due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2211829-04: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (225%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2211829-05: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (190%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2211829-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2211829-06D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (138%);

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Case Narrative (continued)

however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

L2211829-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2211829-03: The sample has elevated detection limits for all elements due to the dilution required by matrix interferences encountered during analysis.

L2211829-05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Hexavalent Chromium

The WG1616044-5 Soluble MS recovery for chromium, hexavalent (59%), performed on L2211829-03, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 107%.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/28/22

ORGANICS

VOLATILES

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-01 D
 Client ID: SB-3
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:55
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/12/22 02:42
 Analyst: JC
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	590	270	2
1,1-Dichloroethane	ND		ug/kg	120	17.	2
Chloroform	ND		ug/kg	180	16.	2
Carbon tetrachloride	ND		ug/kg	120	27.	2
1,2-Dichloropropane	ND		ug/kg	120	15.	2
Dibromochloromethane	ND		ug/kg	120	16.	2
1,1,2-Trichloroethane	ND		ug/kg	120	31.	2
Tetrachloroethene	ND		ug/kg	59	23.	2
Chlorobenzene	ND		ug/kg	59	15.	2
Trichlorofluoromethane	ND		ug/kg	470	82.	2
1,2-Dichloroethane	ND		ug/kg	120	30.	2
1,1,1-Trichloroethane	ND		ug/kg	59	20.	2
Bromodichloromethane	ND		ug/kg	59	13.	2
trans-1,3-Dichloropropene	ND		ug/kg	120	32.	2
cis-1,3-Dichloropropene	ND		ug/kg	59	18.	2
1,3-Dichloropropene, Total	ND		ug/kg	59	18.	2
1,1-Dichloropropene	ND		ug/kg	59	19.	2
Bromoform	ND		ug/kg	470	29.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	20.	2
Benzene	ND		ug/kg	59	20.	2
Toluene	180		ug/kg	120	64.	2
Ethylbenzene	66	J	ug/kg	120	16.	2
Chloromethane	ND		ug/kg	470	110	2
Bromomethane	ND		ug/kg	240	68.	2
Vinyl chloride	ND		ug/kg	120	39.	2
Chloroethane	ND		ug/kg	240	53.	2
1,1-Dichloroethene	ND		ug/kg	120	28.	2
trans-1,2-Dichloroethene	ND		ug/kg	180	16.	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-01 D
 Client ID: SB-3
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:55
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	59	16.	2
1,2-Dichlorobenzene	ND		ug/kg	240	17.	2
1,3-Dichlorobenzene	ND		ug/kg	240	17.	2
1,4-Dichlorobenzene	ND		ug/kg	240	20.	2
Methyl tert butyl ether	ND		ug/kg	240	24.	2
p/m-Xylene	73	J	ug/kg	240	66.	2
o-Xylene	110	J	ug/kg	120	34.	2
Xylenes, Total	180	J	ug/kg	120	34.	2
cis-1,2-Dichloroethene	ND		ug/kg	120	20.	2
1,2-Dichloroethene, Total	ND		ug/kg	120	16.	2
Dibromomethane	ND		ug/kg	240	28.	2
Styrene	ND		ug/kg	120	23.	2
Dichlorodifluoromethane	ND		ug/kg	1200	110	2
Acetone	ND		ug/kg	1200	570	2
Carbon disulfide	ND		ug/kg	1200	540	2
2-Butanone	ND		ug/kg	1200	260	2
Vinyl acetate	ND		ug/kg	1200	250	2
4-Methyl-2-pentanone	ND		ug/kg	1200	150	2
1,2,3-Trichloropropane	ND		ug/kg	240	15.	2
2-Hexanone	ND		ug/kg	1200	140	2
Bromochloromethane	ND		ug/kg	240	24.	2
2,2-Dichloropropane	ND		ug/kg	240	24.	2
1,2-Dibromoethane	ND		ug/kg	120	33.	2
1,3-Dichloropropane	ND		ug/kg	240	20.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	16.	2
Bromobenzene	ND		ug/kg	240	17.	2
n-Butylbenzene	5200		ug/kg	120	20.	2
sec-Butylbenzene	4500		ug/kg	120	17.	2
tert-Butylbenzene	410		ug/kg	240	14.	2
o-Chlorotoluene	ND		ug/kg	240	22.	2
p-Chlorotoluene	ND		ug/kg	240	13.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	350	120	2
Hexachlorobutadiene	ND		ug/kg	470	20.	2
Isopropylbenzene	2700		ug/kg	120	13.	2
p-Isopropyltoluene	17	J	ug/kg	120	13.	2
Naphthalene	1700		ug/kg	470	76.	2
Acrylonitrile	ND		ug/kg	470	140	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-01 D
 Client ID: SB-3
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:55
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	5400		ug/kg	120	20.	2
1,2,3-Trichlorobenzene	ND		ug/kg	240	38.	2
1,2,4-Trichlorobenzene	ND		ug/kg	240	32.	2
1,3,5-Trimethylbenzene	38	J	ug/kg	240	23.	2
1,2,4-Trimethylbenzene	120	J	ug/kg	240	39.	2
1,4-Dioxane	ND		ug/kg	9400	4100	2
p-Diethylbenzene	3100		ug/kg	240	21.	2
p-Ethyltoluene	67	J	ug/kg	240	45.	2
1,2,4,5-Tetramethylbenzene	15000		ug/kg	240	22.	2
Ethyl ether	ND		ug/kg	240	40.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	175	Q	70-130
Dibromofluoromethane	87		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-02 D
 Client ID: SB-4
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:25
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/12/22 03:07
 Analyst: JC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1700	760	5
1,1-Dichloroethane	ND		ug/kg	330	48.	5
Chloroform	ND		ug/kg	500	47.	5
Carbon tetrachloride	ND		ug/kg	330	77.	5
1,2-Dichloropropane	ND		ug/kg	330	42.	5
Dibromochloromethane	ND		ug/kg	330	47.	5
1,1,2-Trichloroethane	ND		ug/kg	330	89.	5
Tetrachloroethene	ND		ug/kg	170	65.	5
Chlorobenzene	ND		ug/kg	170	42.	5
Trichlorofluoromethane	ND		ug/kg	1300	230	5
1,2-Dichloroethane	ND		ug/kg	330	86.	5
1,1,1-Trichloroethane	ND		ug/kg	170	56.	5
Bromodichloromethane	ND		ug/kg	170	36.	5
trans-1,3-Dichloropropene	ND		ug/kg	330	91.	5
cis-1,3-Dichloropropene	ND		ug/kg	170	53.	5
1,3-Dichloropropene, Total	ND		ug/kg	170	53.	5
1,1-Dichloropropene	ND		ug/kg	170	53.	5
Bromoform	ND		ug/kg	1300	82.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	170	55.	5
Benzene	2600		ug/kg	170	55.	5
Toluene	3800		ug/kg	330	180	5
Ethylbenzene	1100		ug/kg	330	47.	5
Chloromethane	ND		ug/kg	1300	310	5
Bromomethane	ND		ug/kg	670	190	5
Vinyl chloride	ND		ug/kg	330	110	5
Chloroethane	ND		ug/kg	670	150	5
1,1-Dichloroethene	ND		ug/kg	330	79.	5
trans-1,2-Dichloroethene	ND		ug/kg	500	46.	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-02 D
 Client ID: SB-4
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:25
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	170	46.	5
1,2-Dichlorobenzene	86	J	ug/kg	670	48.	5
1,3-Dichlorobenzene	ND		ug/kg	670	49.	5
1,4-Dichlorobenzene	ND		ug/kg	670	57.	5
Methyl tert butyl ether	220	J	ug/kg	670	67.	5
p/m-Xylene	3900		ug/kg	670	190	5
o-Xylene	1600		ug/kg	330	97.	5
Xylenes, Total	5500		ug/kg	330	97.	5
cis-1,2-Dichloroethene	ND		ug/kg	330	58.	5
1,2-Dichloroethene, Total	ND		ug/kg	330	46.	5
Dibromomethane	ND		ug/kg	670	79.	5
Styrene	ND		ug/kg	330	65.	5
Dichlorodifluoromethane	ND		ug/kg	3300	300	5
Acetone	ND		ug/kg	3300	1600	5
Carbon disulfide	ND		ug/kg	3300	1500	5
2-Butanone	ND		ug/kg	3300	740	5
Vinyl acetate	ND		ug/kg	3300	720	5
4-Methyl-2-pentanone	ND		ug/kg	3300	430	5
1,2,3-Trichloropropane	ND		ug/kg	670	42.	5
2-Hexanone	ND		ug/kg	3300	390	5
Bromochloromethane	ND		ug/kg	670	68.	5
2,2-Dichloropropane	ND		ug/kg	670	67.	5
1,2-Dibromoethane	ND		ug/kg	330	93.	5
1,3-Dichloropropane	ND		ug/kg	670	56.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	170	44.	5
Bromobenzene	ND		ug/kg	670	48.	5
n-Butylbenzene	17000		ug/kg	330	56.	5
sec-Butylbenzene	12000		ug/kg	330	49.	5
tert-Butylbenzene	1400		ug/kg	670	39.	5
o-Chlorotoluene	ND		ug/kg	670	64.	5
p-Chlorotoluene	ND		ug/kg	670	36.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	1000	330	5
Hexachlorobutadiene	ND		ug/kg	1300	56.	5
Isopropylbenzene	7600		ug/kg	330	36.	5
p-Isopropyltoluene	ND		ug/kg	330	36.	5
Naphthalene	2600		ug/kg	1300	220	5
Acrylonitrile	ND		ug/kg	1300	380	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-02 D
 Client ID: SB-4
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:25
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	21000		ug/kg	330	57.	5
1,2,3-Trichlorobenzene	ND		ug/kg	670	110	5
1,2,4-Trichlorobenzene	ND		ug/kg	670	91.	5
1,3,5-Trimethylbenzene	600	J	ug/kg	670	64.	5
1,2,4-Trimethylbenzene	2200		ug/kg	670	110	5
1,4-Dioxane	ND		ug/kg	27000	12000	5
p-Diethylbenzene	6000		ug/kg	670	59.	5
p-Ethyltoluene	1700		ug/kg	670	130	5
1,2,4,5-Tetramethylbenzene	40000		ug/kg	670	64.	5
Ethyl ether	ND		ug/kg	670	110	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	1700	470	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	179	Q	70-130
Dibromofluoromethane	82		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-03
 Client ID: SB-5
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/12/22 01:52
 Analyst: JC
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	390	180	1
1,1-Dichloroethane	ND		ug/kg	77	11.	1
Chloroform	ND		ug/kg	120	11.	1
Carbon tetrachloride	ND		ug/kg	77	18.	1
1,2-Dichloropropane	ND		ug/kg	77	9.7	1
Dibromochloromethane	ND		ug/kg	77	11.	1
1,1,2-Trichloroethane	ND		ug/kg	77	21.	1
Tetrachloroethene	ND		ug/kg	39	15.	1
Chlorobenzene	ND		ug/kg	39	9.8	1
Trichlorofluoromethane	ND		ug/kg	310	54.	1
1,2-Dichloroethane	ND		ug/kg	77	20.	1
1,1,1-Trichloroethane	ND		ug/kg	39	13.	1
Bromodichloromethane	ND		ug/kg	39	8.4	1
trans-1,3-Dichloropropene	ND		ug/kg	77	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	39	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	39	12.	1
1,1-Dichloropropene	ND		ug/kg	39	12.	1
Bromoform	ND		ug/kg	310	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	39	13.	1
Benzene	600		ug/kg	39	13.	1
Toluene	1400		ug/kg	77	42.	1
Ethylbenzene	260		ug/kg	77	11.	1
Chloromethane	ND		ug/kg	310	72.	1
Bromomethane	ND		ug/kg	150	45.	1
Vinyl chloride	ND		ug/kg	77	26.	1
Chloroethane	ND		ug/kg	150	35.	1
1,1-Dichloroethene	ND		ug/kg	77	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-03**Date Collected:** 03/07/22 13:20**Client ID:** SB-5**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	39	11.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	13.	1
Methyl tert butyl ether	16	J	ug/kg	150	16.	1
p/m-Xylene	850		ug/kg	150	43.	1
o-Xylene	240		ug/kg	77	22.	1
Xylenes, Total	1100		ug/kg	77	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	77	14.	1
1,2-Dichloroethene, Total	ND		ug/kg	77	11.	1
Dibromomethane	ND		ug/kg	150	18.	1
Styrene	ND		ug/kg	77	15.	1
Dichlorodifluoromethane	ND		ug/kg	770	71.	1
Acetone	ND		ug/kg	770	370	1
Carbon disulfide	ND		ug/kg	770	350	1
2-Butanone	ND		ug/kg	770	170	1
Vinyl acetate	ND		ug/kg	770	170	1
4-Methyl-2-pentanone	ND		ug/kg	770	99.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.8	1
2-Hexanone	ND		ug/kg	770	91.	1
Bromochloromethane	ND		ug/kg	150	16.	1
2,2-Dichloropropane	ND		ug/kg	150	16.	1
1,2-Dibromoethane	ND		ug/kg	77	22.	1
1,3-Dichloropropane	ND		ug/kg	150	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	39	10.	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	220		ug/kg	77	13.	1
sec-Butylbenzene	300		ug/kg	77	11.	1
tert-Butylbenzene	36	J	ug/kg	150	9.1	1
o-Chlorotoluene	ND		ug/kg	150	15.	1
p-Chlorotoluene	ND		ug/kg	150	8.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	230	77.	1
Hexachlorobutadiene	ND		ug/kg	310	13.	1
Isopropylbenzene	350		ug/kg	77	8.4	1
p-Isopropyltoluene	320		ug/kg	77	8.4	1
Naphthalene	2200		ug/kg	310	50.	1
Acrylonitrile	ND		ug/kg	310	89.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-03**Date Collected:** 03/07/22 13:20**Client ID:** SB-5**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	600		ug/kg	77	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	25.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	21.	1
1,3,5-Trimethylbenzene	92	J	ug/kg	150	15.	1
1,2,4-Trimethylbenzene	210		ug/kg	150	26.	1
1,4-Dioxane	ND		ug/kg	6200	2700	1
p-Diethylbenzene	200		ug/kg	150	14.	1
p-Ethyltoluene	370		ug/kg	150	30.	1
1,2,4,5-Tetramethylbenzene	430		ug/kg	150	15.	1
Ethyl ether	ND		ug/kg	150	26.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	390	110	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	85		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-03
 Client ID: SB-5
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/14/22 17:14
 Analyst: KJD
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	10	4.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.29	1
Chloroform	ND		ug/kg	3.0	0.28	1
Carbon tetrachloride	ND		ug/kg	2.0	0.46	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.25	1
Dibromochloromethane	ND		ug/kg	2.0	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.54	1
Tetrachloroethene	ND		ug/kg	1.0	0.39	1
Chlorobenzene	ND		ug/kg	1.0	0.25	1
Trichlorofluoromethane	ND		ug/kg	8.0	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.52	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.33	1
Bromodichloromethane	ND		ug/kg	1.0	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.55	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.32	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.32	1
1,1-Dichloropropene	ND		ug/kg	1.0	0.32	1
Bromoform	ND		ug/kg	8.0	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Benzene	6.7		ug/kg	1.0	0.33	1
Toluene	14		ug/kg	2.0	1.1	1
Ethylbenzene	5.3		ug/kg	2.0	0.28	1
Chloromethane	ND		ug/kg	8.0	1.9	1
Bromomethane	ND		ug/kg	4.0	1.2	1
Vinyl chloride	ND		ug/kg	2.0	0.67	1
Chloroethane	ND		ug/kg	4.0	0.91	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	3.0	0.27	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-03**Date Collected:** 03/07/22 13:20**Client ID:** SB-5**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.0	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.34	1
Methyl tert butyl ether	4.5		ug/kg	4.0	0.40	1
p/m-Xylene	16		ug/kg	4.0	1.1	1
o-Xylene	6.5		ug/kg	2.0	0.58	1
Xylenes, Total	23		ug/kg	2.0	0.58	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.35	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.27	1
Dibromomethane	ND		ug/kg	4.0	0.48	1
Styrene	ND		ug/kg	2.0	0.39	1
Dichlorodifluoromethane	ND		ug/kg	20	1.8	1
Acetone	ND		ug/kg	20	9.6	1
Carbon disulfide	ND		ug/kg	20	9.1	1
2-Butanone	ND		ug/kg	20	4.4	1
Vinyl acetate	ND		ug/kg	20	4.3	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	4.0	0.25	1
2-Hexanone	ND		ug/kg	20	2.4	1
Bromochloromethane	ND		ug/kg	4.0	0.41	1
2,2-Dichloropropane	ND		ug/kg	4.0	0.40	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.56	1
1,3-Dichloropropane	ND		ug/kg	4.0	0.33	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.26	1
Bromobenzene	ND		ug/kg	4.0	0.29	1
n-Butylbenzene	7.2		ug/kg	2.0	0.33	1
sec-Butylbenzene	17		ug/kg	2.0	0.29	1
tert-Butylbenzene	2.4	J	ug/kg	4.0	0.24	1
o-Chlorotoluene	ND		ug/kg	4.0	0.38	1
p-Chlorotoluene	ND		ug/kg	4.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	2.0	1
Hexachlorobutadiene	ND		ug/kg	8.0	0.34	1
Isopropylbenzene	32		ug/kg	2.0	0.22	1
p-Isopropyltoluene	16		ug/kg	2.0	0.22	1
Naphthalene	72		ug/kg	8.0	1.3	1
Acrylonitrile	ND		ug/kg	8.0	2.3	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-03
Client ID: SB-5
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	29		ug/kg	2.0	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.64	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.54	1
1,3,5-Trimethylbenzene	3.3	J	ug/kg	4.0	0.39	1
1,2,4-Trimethylbenzene	5.9		ug/kg	4.0	0.67	1
1,4-Dioxane	ND		ug/kg	160	70.	1
p-Diethylbenzene	7.2		ug/kg	4.0	0.35	1
p-Ethyltoluene	8.8		ug/kg	4.0	0.77	1
1,2,4,5-Tetramethylbenzene	18		ug/kg	4.0	0.38	1
Ethyl ether	ND		ug/kg	4.0	0.68	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	141	Q	70-130
Dibromofluoromethane	73		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-04
 Client ID: SB-8
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:50
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/12/22 02:17
 Analyst: JC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	310	140	1
1,1-Dichloroethane	ND		ug/kg	62	9.0	1
Chloroform	ND		ug/kg	93	8.7	1
Carbon tetrachloride	ND		ug/kg	62	14.	1
1,2-Dichloropropane	ND		ug/kg	62	7.7	1
Dibromochloromethane	ND		ug/kg	62	8.7	1
1,1,2-Trichloroethane	ND		ug/kg	62	16.	1
Tetrachloroethene	ND		ug/kg	31	12.	1
Chlorobenzene	ND		ug/kg	31	7.9	1
Trichlorofluoromethane	ND		ug/kg	250	43.	1
1,2-Dichloroethane	ND		ug/kg	62	16.	1
1,1,1-Trichloroethane	ND		ug/kg	31	10.	1
Bromodichloromethane	ND		ug/kg	31	6.8	1
trans-1,3-Dichloropropene	ND		ug/kg	62	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	31	9.8	1
1,3-Dichloropropene, Total	ND		ug/kg	31	9.8	1
1,1-Dichloropropene	ND		ug/kg	31	9.8	1
Bromoform	ND		ug/kg	250	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	31	10.	1
Benzene	120		ug/kg	31	10.	1
Toluene	180		ug/kg	62	34.	1
Ethylbenzene	88		ug/kg	62	8.7	1
Chloromethane	ND		ug/kg	250	58.	1
Bromomethane	ND		ug/kg	120	36.	1
Vinyl chloride	ND		ug/kg	62	21.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	62	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	93	8.5	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-04**Date Collected:** 03/07/22 14:50**Client ID:** SB-8**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	31	8.5	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.9	1
1,3-Dichlorobenzene	ND		ug/kg	120	9.2	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	180		ug/kg	120	35.	1
o-Xylene	35	J	ug/kg	62	18.	1
Xylenes, Total	220	J	ug/kg	62	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	62	11.	1
1,2-Dichloroethene, Total	ND		ug/kg	62	8.5	1
Dibromomethane	ND		ug/kg	120	15.	1
Styrene	ND		ug/kg	62	12.	1
Dichlorodifluoromethane	ND		ug/kg	620	57.	1
Acetone	ND		ug/kg	620	300	1
Carbon disulfide	ND		ug/kg	620	280	1
2-Butanone	ND		ug/kg	620	140	1
Vinyl acetate	ND		ug/kg	620	130	1
4-Methyl-2-pentanone	ND		ug/kg	620	79.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.9	1
2-Hexanone	ND		ug/kg	620	73.	1
Bromochloromethane	ND		ug/kg	120	13.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	62	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	31	8.2	1
Bromobenzene	ND		ug/kg	120	9.0	1
n-Butylbenzene	950		ug/kg	62	10.	1
sec-Butylbenzene	990		ug/kg	62	9.0	1
tert-Butylbenzene	250		ug/kg	120	7.3	1
o-Chlorotoluene	ND		ug/kg	120	12.	1
p-Chlorotoluene	ND		ug/kg	120	6.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	62.	1
Hexachlorobutadiene	ND		ug/kg	250	10.	1
Isopropylbenzene	430		ug/kg	62	6.8	1
p-Isopropyltoluene	13	J	ug/kg	62	6.8	1
Naphthalene	480		ug/kg	250	40.	1
Acrylonitrile	ND		ug/kg	250	71.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-04
Client ID: SB-8
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:50
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	740		ug/kg	62	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	17.	1
1,3,5-Trimethylbenzene	12	J	ug/kg	120	12.	1
1,2,4-Trimethylbenzene	72	J	ug/kg	120	21.	1
1,4-Dioxane	ND		ug/kg	5000	2200	1
p-Diethylbenzene	400		ug/kg	120	11.	1
p-Ethyltoluene	92	J	ug/kg	120	24.	1
1,2,4,5-Tetramethylbenzene	10000		ug/kg	120	12.	1
Ethyl ether	ND		ug/kg	120	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	88.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	225	Q	70-130
Dibromofluoromethane	85		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-05
 Client ID: SB-9
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 10:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/14/22 16:24
 Analyst: KJD
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	440	200	1
1,1-Dichloroethane	ND		ug/kg	87	13.	1
Chloroform	ND		ug/kg	130	12.	1
Carbon tetrachloride	ND		ug/kg	87	20.	1
1,2-Dichloropropane	ND		ug/kg	87	11.	1
Dibromochloromethane	ND		ug/kg	87	12.	1
1,1,2-Trichloroethane	ND		ug/kg	87	23.	1
Tetrachloroethene	ND		ug/kg	44	17.	1
Chlorobenzene	ND		ug/kg	44	11.	1
Trichlorofluoromethane	ND		ug/kg	350	60.	1
1,2-Dichloroethane	ND		ug/kg	87	22.	1
1,1,1-Trichloroethane	ND		ug/kg	44	14.	1
Bromodichloromethane	ND		ug/kg	44	9.5	1
trans-1,3-Dichloropropene	ND		ug/kg	87	24.	1
cis-1,3-Dichloropropene	ND		ug/kg	44	14.	1
1,3-Dichloropropene, Total	ND		ug/kg	44	14.	1
1,1-Dichloropropene	ND		ug/kg	44	14.	1
Bromoform	ND		ug/kg	350	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	44	14.	1
Benzene	57		ug/kg	44	14.	1
Toluene	ND		ug/kg	87	47.	1
Ethylbenzene	43	J	ug/kg	87	12.	1
Chloromethane	ND		ug/kg	350	81.	1
Bromomethane	ND		ug/kg	170	50.	1
Vinyl chloride	ND		ug/kg	87	29.	1
Chloroethane	ND		ug/kg	170	39.	1
1,1-Dichloroethene	ND		ug/kg	87	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	12.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-05**Date Collected:** 03/07/22 10:20**Client ID:** SB-9**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	44	12.	1
1,2-Dichlorobenzene	ND		ug/kg	170	12.	1
1,3-Dichlorobenzene	ND		ug/kg	170	13.	1
1,4-Dichlorobenzene	ND		ug/kg	170	15.	1
Methyl tert butyl ether	26	J	ug/kg	170	17.	1
p/m-Xylene	290		ug/kg	170	49.	1
o-Xylene	100		ug/kg	87	25.	1
Xylenes, Total	390		ug/kg	87	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	15.	1
1,2-Dichloroethene, Total	ND		ug/kg	87	12.	1
Dibromomethane	ND		ug/kg	170	21.	1
Styrene	ND		ug/kg	87	17.	1
Dichlorodifluoromethane	ND		ug/kg	870	80.	1
Acetone	ND		ug/kg	870	420	1
Carbon disulfide	ND		ug/kg	870	400	1
2-Butanone	ND		ug/kg	870	190	1
Vinyl acetate	ND		ug/kg	870	190	1
4-Methyl-2-pentanone	ND		ug/kg	870	110	1
1,2,3-Trichloropropane	ND		ug/kg	170	11.	1
2-Hexanone	ND		ug/kg	870	100	1
Bromochloromethane	ND		ug/kg	170	18.	1
2,2-Dichloropropane	ND		ug/kg	170	18.	1
1,2-Dibromoethane	ND		ug/kg	87	24.	1
1,3-Dichloropropane	ND		ug/kg	170	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	44	11.	1
Bromobenzene	ND		ug/kg	170	13.	1
n-Butylbenzene	9200		ug/kg	87	14.	1
sec-Butylbenzene	8700		ug/kg	87	13.	1
tert-Butylbenzene	580		ug/kg	170	10.	1
o-Chlorotoluene	ND		ug/kg	170	17.	1
p-Chlorotoluene	ND		ug/kg	170	9.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	87.	1
Hexachlorobutadiene	ND		ug/kg	350	15.	1
Isopropylbenzene	11000		ug/kg	87	9.5	1
p-Isopropyltoluene	14	J	ug/kg	87	9.5	1
Naphthalene	1100		ug/kg	350	56.	1
Acrylonitrile	ND		ug/kg	350	100	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-05**Date Collected:** 03/07/22 10:20**Client ID:** SB-9**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	20000		ug/kg	87	15.	1
1,2,3-Trichlorobenzene	ND		ug/kg	170	28.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	24.	1
1,3,5-Trimethylbenzene	100	J	ug/kg	170	17.	1
1,2,4-Trimethylbenzene	170		ug/kg	170	29.	1
1,4-Dioxane	ND		ug/kg	7000	3000	1
p-Diethylbenzene	5900		ug/kg	170	15.	1
p-Ethyltoluene	130	J	ug/kg	170	33.	1
1,2,4,5-Tetramethylbenzene	22000		ug/kg	170	17.	1
Ethyl ether	ND		ug/kg	170	30.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	190	Q	70-130
Dibromofluoromethane	77		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-06 D
 Client ID: SB-10
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 12:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/12/22 03:57
 Analyst: JC
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1400	640	5
1,1-Dichloroethane	ND		ug/kg	280	40.	5
Chloroform	ND		ug/kg	420	39.	5
Carbon tetrachloride	ND		ug/kg	280	64.	5
1,2-Dichloropropane	ND		ug/kg	280	35.	5
Dibromochloromethane	ND		ug/kg	280	39.	5
1,1,2-Trichloroethane	ND		ug/kg	280	74.	5
Tetrachloroethene	ND		ug/kg	140	55.	5
Chlorobenzene	ND		ug/kg	140	35.	5
Trichlorofluoromethane	ND		ug/kg	1100	190	5
1,2-Dichloroethane	ND		ug/kg	280	72.	5
1,1,1-Trichloroethane	ND		ug/kg	140	46.	5
Bromodichloromethane	ND		ug/kg	140	30.	5
trans-1,3-Dichloropropene	ND		ug/kg	280	76.	5
cis-1,3-Dichloropropene	ND		ug/kg	140	44.	5
1,3-Dichloropropene, Total	ND		ug/kg	140	44.	5
1,1-Dichloropropene	ND		ug/kg	140	44.	5
Bromoform	ND		ug/kg	1100	68.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	140	46.	5
Benzene	390		ug/kg	140	46.	5
Toluene	260	J	ug/kg	280	150	5
Ethylbenzene	120	J	ug/kg	280	39.	5
Chloromethane	ND		ug/kg	1100	260	5
Bromomethane	ND		ug/kg	560	160	5
Vinyl chloride	ND		ug/kg	280	93.	5
Chloroethane	ND		ug/kg	560	120	5
1,1-Dichloroethene	ND		ug/kg	280	66.	5
trans-1,2-Dichloroethene	ND		ug/kg	420	38.	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-06 D
 Client ID: SB-10
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 12:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	140	38.	5
1,2-Dichlorobenzene	ND		ug/kg	560	40.	5
1,3-Dichlorobenzene	ND		ug/kg	560	41.	5
1,4-Dichlorobenzene	ND		ug/kg	560	48.	5
Methyl tert butyl ether	ND		ug/kg	560	56.	5
p/m-Xylene	ND		ug/kg	560	160	5
o-Xylene	200	J	ug/kg	280	81.	5
Xylenes, Total	200	J	ug/kg	280	81.	5
cis-1,2-Dichloroethene	ND		ug/kg	280	49.	5
1,2-Dichloroethene, Total	ND		ug/kg	280	38.	5
Dibromomethane	ND		ug/kg	560	66.	5
Styrene	ND		ug/kg	280	55.	5
Dichlorodifluoromethane	ND		ug/kg	2800	260	5
Acetone	ND		ug/kg	2800	1300	5
Carbon disulfide	ND		ug/kg	2800	1300	5
2-Butanone	ND		ug/kg	2800	620	5
Vinyl acetate	ND		ug/kg	2800	600	5
4-Methyl-2-pentanone	ND		ug/kg	2800	360	5
1,2,3-Trichloropropane	ND		ug/kg	560	35.	5
2-Hexanone	ND		ug/kg	2800	330	5
Bromochloromethane	ND		ug/kg	560	57.	5
2,2-Dichloropropane	ND		ug/kg	560	56.	5
1,2-Dibromoethane	ND		ug/kg	280	78.	5
1,3-Dichloropropane	ND		ug/kg	560	46.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	140	37.	5
Bromobenzene	ND		ug/kg	560	40.	5
n-Butylbenzene	5800		ug/kg	280	46.	5
sec-Butylbenzene	3800		ug/kg	280	41.	5
tert-Butylbenzene	380	J	ug/kg	560	33.	5
o-Chlorotoluene	ND		ug/kg	560	53.	5
p-Chlorotoluene	ND		ug/kg	560	30.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	840	280	5
Hexachlorobutadiene	ND		ug/kg	1100	47.	5
Isopropylbenzene	1700		ug/kg	280	30.	5
p-Isopropyltoluene	110	J	ug/kg	280	30.	5
Naphthalene	2000		ug/kg	1100	180	5
Acrylonitrile	ND		ug/kg	1100	320	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-06 D
 Client ID: SB-10
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 12:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	3500		ug/kg	280	48.	5
1,2,3-Trichlorobenzene	ND		ug/kg	560	90.	5
1,2,4-Trichlorobenzene	ND		ug/kg	560	76.	5
1,3,5-Trimethylbenzene	ND		ug/kg	560	54.	5
1,2,4-Trimethylbenzene	110	J	ug/kg	560	93.	5
1,4-Dioxane	ND		ug/kg	22000	9800	5
p-Diethylbenzene	3600		ug/kg	560	49.	5
p-Ethyltoluene	160	J	ug/kg	560	110	5
1,2,4,5-Tetramethylbenzene	21000		ug/kg	560	53.	5
Ethyl ether	ND		ug/kg	560	95.	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	1400	400	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	138	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-07
 Client ID: SB-12
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 15:15
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/12/22 01:02
 Analyst: JC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	0.36	J	ug/kg	0.75	0.30	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	ND		ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.21	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-07**Date Collected:** 03/07/22 15:15**Client ID:** SB-12**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.75	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	8.0	J	ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.98	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-07
Client ID: SB-12
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 15:15
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/22 19:37
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1615308-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/22 19:37
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1615308-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/22 19:37
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1615308-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/22 19:37
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,06 Batch: WG1615310-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/11/22 19:37
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,06 Batch: WG1615310-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/22 19:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,06 Batch: WG1615310-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/14/22 08:40
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1615559-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/14/22 08:40
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1615559-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/22 08:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1615559-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/22 08:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1615564-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: FERNBROOK STREET PHASE II
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Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/14/22 08:40
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1615564-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: FERNBROOK STREET PHASE II
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/22 08:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1615564-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1615308-3 WG1615308-4								
Methylene chloride	93		93		70-130	0		30
1,1-Dichloroethane	112		110		70-130	2		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	110		110		70-130	0		30
Dibromochloromethane	104		104		70-130	0		30
1,1,2-Trichloroethane	108		107		70-130	1		30
Tetrachloroethene	106		102		70-130	4		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	103		98		70-139	5		30
1,2-Dichloroethane	104		104		70-130	0		30
1,1,1-Trichloroethane	108		105		70-130	3		30
Bromodichloromethane	103		102		70-130	1		30
trans-1,3-Dichloropropene	114		114		70-130	0		30
cis-1,3-Dichloropropene	106		105		70-130	1		30
1,1-Dichloropropene	113		111		70-130	2		30
Bromoform	94		94		70-130	0		30
1,1,2,2-Tetrachloroethane	113		112		70-130	1		30
Benzene	106		105		70-130	1		30
Toluene	110		107		70-130	3		30
Ethylbenzene	113		111		70-130	2		30
Chloromethane	131	Q	129		52-130	2		30
Bromomethane	98		95		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1615308-3 WG1615308-4								
Vinyl chloride	111		108		67-130	3		30
Chloroethane	99		96		50-151	3		30
1,1-Dichloroethene	105		102		65-135	3		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	108		106		70-130	2		30
1,4-Dichlorobenzene	107		106		70-130	1		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	112		110		70-130	2		30
o-Xylene	110		109		70-130	1		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	95		95		70-130	0		30
Styrene	110		110		70-130	0		30
Dichlorodifluoromethane	95		92		30-146	3		30
Acetone	109		108		54-140	1		30
Carbon disulfide	101		98		59-130	3		30
2-Butanone	116		118		70-130	2		30
Vinyl acetate	128		128		70-130	0		30
4-Methyl-2-pentanone	113		116		70-130	3		30
1,2,3-Trichloropropane	110		111		68-130	1		30
2-Hexanone	126		126		70-130	0		30
Bromochloromethane	91		89		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2211829

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1615308-3 WG1615308-4								
2,2-Dichloropropane	112		108		70-130	4		30
1,2-Dibromoethane	106		105		70-130	1		30
1,3-Dichloropropane	111		110		69-130	1		30
1,1,1,2-Tetrachloroethane	107		105		70-130	2		30
Bromobenzene	101		99		70-130	2		30
n-Butylbenzene	128		124		70-130	3		30
sec-Butylbenzene	122		118		70-130	3		30
tert-Butylbenzene	115		112		70-130	3		30
o-Chlorotoluene	133	Q	130		70-130	2		30
p-Chlorotoluene	117		115		70-130	2		30
1,2-Dibromo-3-chloropropane	95		96		68-130	1		30
Hexachlorobutadiene	104		102		67-130	2		30
Isopropylbenzene	117		114		70-130	3		30
p-Isopropyltoluene	118		115		70-130	3		30
Naphthalene	102		103		70-130	1		30
Acrylonitrile	117		118		70-130	1		30
n-Propylbenzene	124		119		70-130	4		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	102		103		70-130	1		30
1,3,5-Trimethylbenzene	115		113		70-130	2		30
1,2,4-Trimethylbenzene	114		112		70-130	2		30
1,4-Dioxane	93		95		65-136	2		30
p-Diethylbenzene	118		116		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1615308-3 WG1615308-4								
p-Ethyltoluene	118		115		70-130	3		30
1,2,4,5-Tetramethylbenzene	112		112		70-130	0		30
Ethyl ether	99		98		67-130	1		30
trans-1,4-Dichloro-2-butene	131	Q	134	Q	70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	90		90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1615310-3 WG1615310-4								
Methylene chloride	93		93		70-130	0		30
1,1-Dichloroethane	112		110		70-130	2		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	110		110		70-130	0		30
Dibromochloromethane	104		104		70-130	0		30
1,1,2-Trichloroethane	108		107		70-130	1		30
Tetrachloroethene	106		102		70-130	4		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	103		98		70-139	5		30
1,2-Dichloroethane	104		104		70-130	0		30
1,1,1-Trichloroethane	108		105		70-130	3		30
Bromodichloromethane	103		102		70-130	1		30
trans-1,3-Dichloropropene	114		114		70-130	0		30
cis-1,3-Dichloropropene	106		105		70-130	1		30
1,1-Dichloropropene	113		111		70-130	2		30
Bromoform	94		94		70-130	0		30
1,1,2,2-Tetrachloroethane	113		112		70-130	1		30
Benzene	106		105		70-130	1		30
Toluene	110		107		70-130	3		30
Ethylbenzene	113		111		70-130	2		30
Chloromethane	131	Q	129		52-130	2		30
Bromomethane	98		95		57-147	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2211829

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1615310-3 WG1615310-4								
Vinyl chloride	111		108		67-130	3		30
Chloroethane	99		96		50-151	3		30
1,1-Dichloroethene	105		102		65-135	3		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	108		106		70-130	2		30
1,4-Dichlorobenzene	107		106		70-130	1		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	112		110		70-130	2		30
o-Xylene	110		109		70-130	1		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	95		95		70-130	0		30
Styrene	110		110		70-130	0		30
Dichlorodifluoromethane	95		92		30-146	3		30
Acetone	109		108		54-140	1		30
Carbon disulfide	101		98		59-130	3		30
2-Butanone	116		118		70-130	2		30
Vinyl acetate	128		128		70-130	0		30
4-Methyl-2-pentanone	113		116		70-130	3		30
1,2,3-Trichloropropane	110		111		68-130	1		30
2-Hexanone	126		126		70-130	0		30
Bromochloromethane	91		89		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1615310-3 WG1615310-4								
2,2-Dichloropropane	112		108		70-130	4		30
1,2-Dibromoethane	106		105		70-130	1		30
1,3-Dichloropropane	111		110		69-130	1		30
1,1,1,2-Tetrachloroethane	107		105		70-130	2		30
Bromobenzene	101		99		70-130	2		30
n-Butylbenzene	128		124		70-130	3		30
sec-Butylbenzene	122		118		70-130	3		30
tert-Butylbenzene	115		112		70-130	3		30
o-Chlorotoluene	133	Q	130		70-130	2		30
p-Chlorotoluene	117		115		70-130	2		30
1,2-Dibromo-3-chloropropane	95		96		68-130	1		30
Hexachlorobutadiene	104		102		67-130	2		30
Isopropylbenzene	117		114		70-130	3		30
p-Isopropyltoluene	118		115		70-130	3		30
Naphthalene	102		103		70-130	1		30
Acrylonitrile	117		118		70-130	1		30
n-Propylbenzene	124		119		70-130	4		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	102		103		70-130	1		30
1,3,5-Trimethylbenzene	115		113		70-130	2		30
1,2,4-Trimethylbenzene	114		112		70-130	2		30
1,4-Dioxane	93		95		65-136	2		30
p-Diethylbenzene	118		116		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1615310-3 WG1615310-4								
p-Ethyltoluene	118		115		70-130	3		30
1,2,4,5-Tetramethylbenzene	112		112		70-130	0		30
Ethyl ether	99		98		67-130	1		30
trans-1,4-Dichloro-2-butene	131	Q	134	Q	70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	90		90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1615559-3 WG1615559-4								
Methylene chloride	87		85		70-130	2		30
1,1-Dichloroethane	99		100		70-130	1		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	94		95		70-130	1		30
1,2-Dichloropropane	98		99		70-130	1		30
Dibromochloromethane	96		96		70-130	0		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	92		90		70-139	2		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	97		96		70-130	1		30
Bromodichloromethane	94		94		70-130	0		30
trans-1,3-Dichloropropene	103		103		70-130	0		30
cis-1,3-Dichloropropene	97		97		70-130	0		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	90		89		70-130	1		30
1,1,2,2-Tetrachloroethane	102		102		70-130	0		30
Benzene	96		96		70-130	0		30
Toluene	96		97		70-130	1		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	107		107		52-130	0		30
Bromomethane	94		92		57-147	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1615559-3 WG1615559-4								
Vinyl chloride	98		96		67-130	2		30
Chloroethane	94		92		50-151	2		30
1,1-Dichloroethene	94		93		65-135	1		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	95		94		70-130	1		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	94		92		66-130	2		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	99		99		70-130	0		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Dibromomethane	89		88		70-130	1		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	77		77		30-146	0		30
Acetone	102		97		54-140	5		30
Carbon disulfide	88		87		59-130	1		30
2-Butanone	108		101		70-130	7		30
Vinyl acetate	113		112		70-130	1		30
4-Methyl-2-pentanone	104		102		70-130	2		30
1,2,3-Trichloropropane	102		101		68-130	1		30
2-Hexanone	112		109		70-130	3		30
Bromochloromethane	86		85		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1615559-3 WG1615559-4								
2,2-Dichloropropane	101		99		70-130	2		30
1,2-Dibromoethane	98		95		70-130	3		30
1,3-Dichloropropane	100		98		69-130	2		30
1,1,1,2-Tetrachloroethane	97		97		70-130	0		30
Bromobenzene	93		94		70-130	1		30
n-Butylbenzene	111		111		70-130	0		30
sec-Butylbenzene	105		106		70-130	1		30
tert-Butylbenzene	102		102		70-130	0		30
o-Chlorotoluene	105		106		70-130	1		30
p-Chlorotoluene	105		106		70-130	1		30
1,2-Dibromo-3-chloropropane	91		90		68-130	1		30
Hexachlorobutadiene	93		94		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	104		105		70-130	1		30
Naphthalene	98		97		70-130	1		30
Acrylonitrile	107		105		70-130	2		30
n-Propylbenzene	108		108		70-130	0		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	102		102		70-130	0		30
1,4-Dioxane	105		101		65-136	4		30
p-Diethylbenzene	104		105		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2211829

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1615559-3 WG1615559-4								
p-Ethyltoluene	105		105		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Ethyl ether	90		91		67-130	1		30
trans-1,4-Dichloro-2-butene	119		117		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	91		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1615564-3 WG1615564-4								
Methylene chloride	87		85		70-130	2		30
1,1-Dichloroethane	99		100		70-130	1		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	94		95		70-130	1		30
1,2-Dichloropropane	98		99		70-130	1		30
Dibromochloromethane	96		96		70-130	0		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	92		90		70-139	2		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	97		96		70-130	1		30
Bromodichloromethane	94		94		70-130	0		30
trans-1,3-Dichloropropene	103		103		70-130	0		30
cis-1,3-Dichloropropene	97		97		70-130	0		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	90		89		70-130	1		30
1,1,2,2-Tetrachloroethane	102		102		70-130	0		30
Benzene	96		96		70-130	0		30
Toluene	96		97		70-130	1		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	107		107		52-130	0		30
Bromomethane	94		92		57-147	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1615564-3 WG1615564-4								
Vinyl chloride	98		96		67-130	2		30
Chloroethane	94		92		50-151	2		30
1,1-Dichloroethene	94		93		65-135	1		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	95		94		70-130	1		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	94		92		66-130	2		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	99		99		70-130	0		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Dibromomethane	89		88		70-130	1		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	77		77		30-146	0		30
Acetone	102		97		54-140	5		30
Carbon disulfide	88		87		59-130	1		30
2-Butanone	108		101		70-130	7		30
Vinyl acetate	113		112		70-130	1		30
4-Methyl-2-pentanone	104		102		70-130	2		30
1,2,3-Trichloropropane	102		101		68-130	1		30
2-Hexanone	112		109		70-130	3		30
Bromochloromethane	86		85		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2211829

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1615564-3 WG1615564-4								
2,2-Dichloropropane	101		99		70-130	2		30
1,2-Dibromoethane	98		95		70-130	3		30
1,3-Dichloropropane	100		98		69-130	2		30
1,1,1,2-Tetrachloroethane	97		97		70-130	0		30
Bromobenzene	93		94		70-130	1		30
n-Butylbenzene	111		111		70-130	0		30
sec-Butylbenzene	105		106		70-130	1		30
tert-Butylbenzene	102		102		70-130	0		30
o-Chlorotoluene	105		106		70-130	1		30
p-Chlorotoluene	105		106		70-130	1		30
1,2-Dibromo-3-chloropropane	91		90		68-130	1		30
Hexachlorobutadiene	93		94		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	104		105		70-130	1		30
Naphthalene	98		97		70-130	1		30
Acrylonitrile	107		105		70-130	2		30
n-Propylbenzene	108		108		70-130	0		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	102		102		70-130	0		30
1,4-Dioxane	105		101		65-136	4		30
p-Diethylbenzene	104		105		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1615564-3 WG1615564-4								
p-Ethyltoluene	105		105		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Ethyl ether	90		91		67-130	1		30
trans-1,4-Dichloro-2-butene	119		117		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	92		92		70-130

SEMIVOLATILES

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-01 D
 Client ID: SB-3
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:55
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/20/22 14:54
 Analyst: SZ
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	4400		ug/kg	1500	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	210	10
Hexachlorobenzene	ND		ug/kg	1100	210	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	250	10
2-Chloronaphthalene	ND		ug/kg	1900	180	10
1,2-Dichlorobenzene	ND		ug/kg	1900	330	10
1,3-Dichlorobenzene	ND		ug/kg	1900	320	10
1,4-Dichlorobenzene	ND		ug/kg	1900	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	500	10
2,4-Dinitrotoluene	ND		ug/kg	1900	370	10
2,6-Dinitrotoluene	ND		ug/kg	1900	320	10
Fluoranthene	31000		ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	320	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	190	10
Hexachlorobutadiene	ND		ug/kg	1900	270	10
Hexachlorocyclopentadiene	ND		ug/kg	5300	1700	10
Hexachloroethane	ND		ug/kg	1500	300	10
Isophorone	ND		ug/kg	1700	240	10
Naphthalene	4100		ug/kg	1900	230	10
Nitrobenzene	ND		ug/kg	1700	280	10
NDPA/DPA	ND		ug/kg	1500	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	290	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1900	640	10
Butyl benzyl phthalate	ND		ug/kg	1900	470	10
Di-n-butylphthalate	ND		ug/kg	1900	350	10
Di-n-octylphthalate	ND		ug/kg	1900	630	10

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-01 D
 Client ID: SB-3
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:55
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1900	170	10
Dimethyl phthalate	ND		ug/kg	1900	390	10
Benzo(a)anthracene	14000		ug/kg	1100	210	10
Benzo(a)pyrene	13000		ug/kg	1500	450	10
Benzo(b)fluoranthene	14000		ug/kg	1100	310	10
Benzo(k)fluoranthene	5300		ug/kg	1100	300	10
Chrysene	13000		ug/kg	1100	190	10
Acenaphthylene	1800		ug/kg	1500	290	10
Anthracene	8000		ug/kg	1100	360	10
Benzo(ghi)perylene	7500		ug/kg	1500	220	10
Fluorene	5400		ug/kg	1900	180	10
Phenanthrene	30000		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	1600		ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	8600		ug/kg	1500	260	10
Pyrene	28000		ug/kg	1100	180	10
Biphenyl	390	J	ug/kg	4200	240	10
4-Chloroaniline	ND		ug/kg	1900	340	10
2-Nitroaniline	ND		ug/kg	1900	360	10
3-Nitroaniline	ND		ug/kg	1900	350	10
4-Nitroaniline	ND		ug/kg	1900	770	10
Dibenzofuran	3300		ug/kg	1900	180	10
2-Methylnaphthalene	5500		ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	190	10
Acetophenone	ND		ug/kg	1900	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	350	10
p-Chloro-m-cresol	ND		ug/kg	1900	280	10
2-Chlorophenol	ND		ug/kg	1900	220	10
2,4-Dichlorophenol	ND		ug/kg	1700	300	10
2,4-Dimethylphenol	ND		ug/kg	1900	610	10
2-Nitrophenol	ND		ug/kg	4000	700	10
4-Nitrophenol	ND		ug/kg	2600	760	10
2,4-Dinitrophenol	ND		ug/kg	8900	870	10
4,6-Dinitro-o-cresol	ND		ug/kg	4800	890	10
Pentachlorophenol	ND		ug/kg	1500	410	10
Phenol	ND		ug/kg	1900	280	10
2-Methylphenol	ND		ug/kg	1900	290	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	290	10

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-01 D

Date Collected: 03/07/22 13:55

Client ID: SB-3

Date Received: 03/07/22

Sample Location: 70 FERNBROOK ST, YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1900	360	10
Benzoic Acid	ND		ug/kg	6000	1900	10
Benzyl Alcohol	ND		ug/kg	1900	570	10
Carbazole	2400		ug/kg	1900	180	10
1,4-Dioxane	ND		ug/kg	280	86.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	42		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-02
Client ID: SB-4
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:25
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/22 11:14
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	420		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	520		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-02**Date Collected:** 03/07/22 14:25**Client ID:** SB-4**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	220		ug/kg	110	21.	1
Benzo(a)pyrene	170		ug/kg	150	46.	1
Benzo(b)fluoranthene	220		ug/kg	110	31.	1
Benzo(k)fluoranthene	71	J	ug/kg	110	30.	1
Chrysene	200		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	220		ug/kg	110	36.	1
Benzo(ghi)perylene	110	J	ug/kg	150	22.	1
Fluorene	670		ug/kg	190	18.	1
Phenanthrene	1400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	26.	1
Pyrene	520		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	400		ug/kg	190	18.	1
2-Methylnaphthalene	270		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-02**Date Collected:** 03/07/22 14:25**Client ID:** SB-4**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	126	Q	23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	64		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-03
 Client ID: SB-5
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/19/22 21:25
 Analyst: CMM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	830		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	670		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-03**Date Collected:** 03/07/22 13:20**Client ID:** SB-5**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	500		ug/kg	110	20.	1
Benzo(a)pyrene	570		ug/kg	150	44.	1
Benzo(b)fluoranthene	650		ug/kg	110	31.	1
Benzo(k)fluoranthene	220		ug/kg	110	29.	1
Chrysene	510		ug/kg	110	19.	1
Acenaphthylene	110	J	ug/kg	150	28.	1
Anthracene	160		ug/kg	110	36.	1
Benzo(ghi)perylene	410		ug/kg	150	21.	1
Fluorene	170	J	ug/kg	180	18.	1
Phenanthrene	600		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	87	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	440		ug/kg	150	25.	1
Pyrene	820		ug/kg	110	18.	1
Biphenyl	73	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	160	J	ug/kg	180	17.	1
2-Methylnaphthalene	1100		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	42	J	ug/kg	260	28.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-03
Client ID: SB-5
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	71	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	65		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-04
 Client ID: SB-8
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:50
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/19/22 21:49
 Analyst: CMM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	680		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	82	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-04**Date Collected:** 03/07/22 14:50**Client ID:** SB-8**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	280		ug/kg	110	21.	1
Benzo(a)pyrene	250		ug/kg	150	46.	1
Benzo(b)fluoranthene	290		ug/kg	110	32.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	260		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	210		ug/kg	110	37.	1
Benzo(ghi)perylene	160		ug/kg	150	22.	1
Fluorene	79	J	ug/kg	190	18.	1
Phenanthrene	600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	150	26.	1
Pyrene	640		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	73	J	ug/kg	190	18.	1
2-Methylnaphthalene	76	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-04
Client ID: SB-8
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 14:50
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	60		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-05
Client ID: SB-9
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 10:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/19/22 22:13
Analyst: CMM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	790		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	930		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	2800		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	73.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-05**Date Collected:** 03/07/22 10:20**Client ID:** SB-9**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	380		ug/kg	130	24.	1
Benzo(a)pyrene	320		ug/kg	170	52.	1
Benzo(b)fluoranthene	370		ug/kg	130	36.	1
Benzo(k)fluoranthene	140		ug/kg	130	34.	1
Chrysene	360		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	340		ug/kg	130	42.	1
Benzo(ghi)perylene	200		ug/kg	170	25.	1
Fluorene	1100		ug/kg	210	21.	1
Phenanthrene	2500		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	41	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	170	30.	1
Pyrene	940		ug/kg	130	21.	1
Biphenyl	61	J	ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	490		ug/kg	210	20.	1
2-Methylnaphthalene	1300		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	220		ug/kg	210	71.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	40	J	ug/kg	310	34.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-05
Client ID: SB-9
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 10:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	160	J	ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	58		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-06
 Client ID: SB-10
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 12:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/19/22 22:38
 Analyst: CMM
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1700		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	17000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	510		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	200		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-06**Date Collected:** 03/07/22 12:20**Client ID:** SB-10**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	11000	E	ug/kg	110	20.	1
Benzo(a)pyrene	9700	E	ug/kg	140	44.	1
Benzo(b)fluoranthene	14000	E	ug/kg	110	31.	1
Benzo(k)fluoranthene	2400		ug/kg	110	29.	1
Chrysene	9400	E	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	3300		ug/kg	110	35.	1
Benzo(ghi)perylene	5400		ug/kg	140	21.	1
Fluorene	2600		ug/kg	180	18.	1
Phenanthrene	8500	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	1400		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	7200		ug/kg	140	25.	1
Pyrene	15000	E	ug/kg	110	18.	1
Biphenyl	95	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	1400		ug/kg	180	17.	1
2-Methylnaphthalene	12000	E	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-06
Client ID: SB-10
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 12:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	520		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	17		10-136
4-Terphenyl-d14	60		18-120

Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-06 D
 Client ID: SB-10
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 12:20
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/20/22 15:16
 Analyst: SZ
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	16000		ug/kg	550	100	5
Benzo(a)anthracene	8300		ug/kg	550	100	5
Benzo(a)pyrene	7100		ug/kg	730	220	5
Benzo(b)fluoranthene	9200		ug/kg	550	150	5
Chrysene	7400		ug/kg	550	95.	5
Phenanthrene	7800		ug/kg	550	110	5
Pyrene	14000		ug/kg	550	90.	5
2-Methylnaphthalene	9700		ug/kg	1100	110	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-07
 Client ID: SB-12
 Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 15:15
 Date Received: 03/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/19/22 23:02
 Analyst: CMM
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	87	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	5000		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	78	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	73.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-07**Date Collected:** 03/07/22 15:15**Client ID:** SB-12**Date Received:** 03/07/22**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	2600		ug/kg	130	24.	1
Benzo(a)pyrene	2100		ug/kg	170	52.	1
Benzo(b)fluoranthene	2800		ug/kg	130	36.	1
Benzo(k)fluoranthene	920		ug/kg	130	34.	1
Chrysene	2400		ug/kg	130	22.	1
Acenaphthylene	410		ug/kg	170	33.	1
Anthracene	640		ug/kg	130	42.	1
Benzo(ghi)perylene	1100		ug/kg	170	25.	1
Fluorene	120	J	ug/kg	210	21.	1
Phenanthrene	2200		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	290		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	170	30.	1
Pyrene	4000		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	89.	1
Dibenzofuran	65	J	ug/kg	210	20.	1
2-Methylnaphthalene	76	J	ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-07
Client ID: SB-12
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 15:15
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	210	66.	1
Carbazole	150	J	ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	120		25-120
Phenol-d6	119		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	131	Q	30-120
2,4,6-Tribromophenol	125		10-136
4-Terphenyl-d14	116		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/22 16:59
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1617383-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/22 16:59
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1617383-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/22 16:59
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/18/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1617383-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	62		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617383-2 WG1617383-3								
Acenaphthene	71		78		31-137	9		50
1,2,4-Trichlorobenzene	67		73		38-107	9		50
Hexachlorobenzene	74		80		40-140	8		50
Bis(2-chloroethyl)ether	63		67		40-140	6		50
2-Chloronaphthalene	70		76		40-140	8		50
1,2-Dichlorobenzene	65		68		40-140	5		50
1,3-Dichlorobenzene	65		67		40-140	3		50
1,4-Dichlorobenzene	64		67		28-104	5		50
3,3'-Dichlorobenzidine	54		60		40-140	11		50
2,4-Dinitrotoluene	77		82		40-132	6		50
2,6-Dinitrotoluene	76		84		40-140	10		50
Fluoranthene	77		85		40-140	10		50
4-Chlorophenyl phenyl ether	74		80		40-140	8		50
4-Bromophenyl phenyl ether	76		84		40-140	10		50
Bis(2-chloroisopropyl)ether	43		47		40-140	9		50
Bis(2-chloroethoxy)methane	64		70		40-117	9		50
Hexachlorobutadiene	74		80		40-140	8		50
Hexachlorocyclopentadiene	71		77		40-140	8		50
Hexachloroethane	64		68		40-140	6		50
Isophorone	65		72		40-140	10		50
Naphthalene	70		73		40-140	4		50
Nitrobenzene	66		72		40-140	9		50
NDPA/DPA	75		83		36-157	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617383-2 WG1617383-3								
n-Nitrosodi-n-propylamine	63		70		32-121	11		50
Bis(2-ethylhexyl)phthalate	77		87		40-140	12		50
Butyl benzyl phthalate	77		87		40-140	12		50
Di-n-butylphthalate	77		85		40-140	10		50
Di-n-octylphthalate	82		90		40-140	9		50
Diethyl phthalate	77		83		40-140	8		50
Dimethyl phthalate	74		80		40-140	8		50
Benzo(a)anthracene	75		82		40-140	9		50
Benzo(a)pyrene	85		93		40-140	9		50
Benzo(b)fluoranthene	74		82		40-140	10		50
Benzo(k)fluoranthene	79		87		40-140	10		50
Chrysene	77		82		40-140	6		50
Acenaphthylene	79		85		40-140	7		50
Anthracene	75		81		40-140	8		50
Benzo(ghi)perylene	76		83		40-140	9		50
Fluorene	75		82		40-140	9		50
Phenanthrene	74		81		40-140	9		50
Dibenzo(a,h)anthracene	74		81		40-140	9		50
Indeno(1,2,3-cd)pyrene	76		82		40-140	8		50
Pyrene	76		84		35-142	10		50
Biphenyl	70		76		37-127	8		50
4-Chloroaniline	60		67		40-140	11		50
2-Nitroaniline	76		82		47-134	8		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617383-2 WG1617383-3								
3-Nitroaniline	61		66		26-129	8		50
4-Nitroaniline	66		71		41-125	7		50
Dibenzofuran	75		82		40-140	9		50
2-Methylnaphthalene	71		77		40-140	8		50
1,2,4,5-Tetrachlorobenzene	76		82		40-117	8		50
Acetophenone	64		70		14-144	9		50
2,4,6-Trichlorophenol	81		88		30-130	8		50
p-Chloro-m-cresol	79		83		26-103	5		50
2-Chlorophenol	67		73		25-102	9		50
2,4-Dichlorophenol	74		80		30-130	8		50
2,4-Dimethylphenol	72		80		30-130	11		50
2-Nitrophenol	66		72		30-130	9		50
4-Nitrophenol	81		90		11-114	11		50
2,4-Dinitrophenol	62		70		4-130	12		50
4,6-Dinitro-o-cresol	75		83		10-130	10		50
Pentachlorophenol	74		84		17-109	13		50
Phenol	70		76		26-90	8		50
2-Methylphenol	69		76		30-130.	10		50
3-Methylphenol/4-Methylphenol	76		82		30-130	8		50
2,4,5-Trichlorophenol	82		88		30-130	7		50
Benzoic Acid	53		50		10-110	6		50
Benzyl Alcohol	70		75		40-140	7		50
Carbazole	78		84		54-128	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617383-2 WG1617383-3								
1,4-Dioxane	44		46		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		73		25-120
Phenol-d6	69		77		10-120
Nitrobenzene-d5	63		73		23-120
2-Fluorobiphenyl	70		77		30-120
2,4,6-Tribromophenol	76		86		10-136
4-Terphenyl-d14	68		77		18-120

PCBS

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-03
Client ID: SB-5
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 13:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/21/22 12:07
Analyst: JM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/21/22 00:26
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	3.25	1	A
Aroclor 1221	ND		ug/kg	36.6	3.66	1	A
Aroclor 1232	ND		ug/kg	36.6	7.75	1	A
Aroclor 1242	ND		ug/kg	36.6	4.93	1	A
Aroclor 1248	ND		ug/kg	36.6	5.48	1	A
Aroclor 1254	93.7		ug/kg	36.6	4.00	1	B
Aroclor 1260	63.5		ug/kg	36.6	6.76	1	B
Aroclor 1262	ND		ug/kg	36.6	4.64	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	157		ug/kg	36.6	3.25	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-05
Client ID: SB-9
Sample Location: 70 FERNBROOK ST, YONKERS, NY

Date Collected: 03/07/22 10:20
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/21/22 12:15
Analyst: JM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 03/21/22 00:26
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.1	3.74	1	A
Aroclor 1221	ND		ug/kg	42.1	4.22	1	A
Aroclor 1232	ND		ug/kg	42.1	8.93	1	A
Aroclor 1242	ND		ug/kg	42.1	5.68	1	A
Aroclor 1248	ND		ug/kg	42.1	6.32	1	A
Aroclor 1254	ND		ug/kg	42.1	4.61	1	A
Aroclor 1260	9.05	J	ug/kg	42.1	7.79	1	B
Aroclor 1262	ND		ug/kg	42.1	5.35	1	A
Aroclor 1268	ND		ug/kg	42.1	4.36	1	A
PCBs, Total	9.05	J	ug/kg	42.1	3.74	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/21/22 10:48
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 03/21/22 00:26
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,05 Batch: WG1617757-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.22	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.33	A
Aroclor 1248	ND		ug/kg	32.2	4.82	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.94	A
Aroclor 1262	ND		ug/kg	32.2	4.08	A
Aroclor 1268	ND		ug/kg	32.2	3.33	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,05 Batch: WG1617757-2 WG1617757-3									
Aroclor 1016	93		88		40-140	6		50	A
Aroclor 1260	85		76		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		88		30-150	A
Decachlorobiphenyl	89		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		99		30-150	B
Decachlorobiphenyl	94		89		30-150	B

METALS

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-03

Date Collected: 03/07/22 13:20

Client ID: SB-5

Date Received: 03/07/22

Sample Location: 70 FERNBROOK ST, YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5300		mg/kg	8.62	2.33	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Antimony, Total	1.22	J	mg/kg	4.31	0.328	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Arsenic, Total	6.30		mg/kg	0.862	0.179	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Barium, Total	77.4		mg/kg	0.862	0.150	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Beryllium, Total	0.267	J	mg/kg	0.431	0.029	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Cadmium, Total	0.785	J	mg/kg	0.862	0.085	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Calcium, Total	10400		mg/kg	8.62	3.02	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Chromium, Total	15.3		mg/kg	0.862	0.083	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Cobalt, Total	6.33		mg/kg	1.72	0.143	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Copper, Total	45.0		mg/kg	0.862	0.222	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Iron, Total	12600		mg/kg	4.31	0.779	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Lead, Total	167		mg/kg	4.31	0.231	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Magnesium, Total	2530		mg/kg	8.62	1.33	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Manganese, Total	152		mg/kg	0.862	0.137	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Mercury, Total	3.86		mg/kg	0.143	0.093	2	03/16/22 10:10	03/18/22 18:52	EPA 7471B	1,7471B	ZK
Nickel, Total	13.1		mg/kg	2.16	0.209	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Potassium, Total	763		mg/kg	216	12.4	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Selenium, Total	0.673	J	mg/kg	1.72	0.222	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.862	0.244	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Sodium, Total	371		mg/kg	172	2.72	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.72	0.272	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Vanadium, Total	18.9		mg/kg	0.862	0.175	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC
Zinc, Total	157		mg/kg	4.31	0.253	2	03/16/22 07:00	03/27/22 14:38	EPA 3050B	1,6010D	MC



Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**SAMPLE RESULTS**

Lab ID: L2211829-05

Date Collected: 03/07/22 10:20

Client ID: SB-9

Date Received: 03/07/22

Sample Location: 70 FERNBROOK ST, YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5010		mg/kg	10.3	2.78	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Antimony, Total	1.04	J	mg/kg	5.14	0.391	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Arsenic, Total	7.10		mg/kg	1.03	0.214	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Barium, Total	45.3		mg/kg	1.03	0.179	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Beryllium, Total	0.596		mg/kg	0.514	0.034	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Cadmium, Total	0.668	J	mg/kg	1.03	0.101	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Calcium, Total	5280		mg/kg	10.3	3.60	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Chromium, Total	14.6		mg/kg	1.03	0.099	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Cobalt, Total	11.2		mg/kg	2.06	0.171	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Copper, Total	54.8		mg/kg	1.03	0.265	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Iron, Total	8800		mg/kg	5.14	0.928	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Lead, Total	340		mg/kg	5.14	0.276	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Magnesium, Total	1990		mg/kg	10.3	1.58	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Manganese, Total	87.2		mg/kg	1.03	0.163	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Mercury, Total	2.41		mg/kg	0.082	0.054	1	03/16/22 10:10	03/18/22 15:34	EPA 7471B	1,7471B	ZK
Nickel, Total	19.1		mg/kg	2.57	0.249	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Potassium, Total	463		mg/kg	257	14.8	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Selenium, Total	0.442	J	mg/kg	2.06	0.265	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.03	0.291	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Sodium, Total	435		mg/kg	206	3.24	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.06	0.324	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Vanadium, Total	16.2		mg/kg	1.03	0.209	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC
Zinc, Total	141		mg/kg	5.14	0.301	2	03/16/22 07:00	03/27/22 15:13	EPA 3050B	1,6010D	MC



Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,05 Batch: WG1615842-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Sodium, Total	1.94	J	mg/kg	80.0	1.26	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/16/22 07:00	03/27/22 14:20	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,05 Batch: WG1615843-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/16/22 10:10	03/18/22 14:15	1,7471B	ZK



Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2211829

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 Batch: WG1615842-2 SRM Lot Number: D113-540								
Aluminum, Total	72		-		51-149	-		
Antimony, Total	118		-		20-250	-		
Arsenic, Total	88		-		70-130	-		
Barium, Total	87		-		75-125	-		
Beryllium, Total	108		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	87		-		73-128	-		
Chromium, Total	90		-		70-130	-		
Cobalt, Total	91		-		75-125	-		
Copper, Total	89		-		75-125	-		
Iron, Total	80		-		36-164	-		
Lead, Total	81		-		72-128	-		
Magnesium, Total	80		-		63-138	-		
Manganese, Total	84		-		77-123	-		
Nickel, Total	92		-		70-130	-		
Potassium, Total	78		-		59-141	-		
Selenium, Total	92		-		66-134	-		
Silver, Total	83		-		70-131	-		
Sodium, Total	92		-		35-164	-		
Thallium, Total	90		-		70-130	-		
Vanadium, Total	85		-		74-126	-		

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 Batch: WG1615842-2 SRM Lot Number: D113-540					
Zinc, Total	87	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 03,05 Batch: WG1615843-2 SRM Lot Number: D113-540					
Mercury, Total	85	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05			QC Batch ID: WG1615842-3			QC Sample: L2211476-01			Client ID: MS Sample			
Aluminum, Total	3600	169	4620	603	Q	-	-		75-125	-		20
Antimony, Total	0.231J	42.3	24.6	58	Q	-	-		75-125	-		20
Arsenic, Total	0.863	10.1	9.37	84		-	-		75-125	-		20
Barium, Total	15.9	169	150	79		-	-		75-125	-		20
Beryllium, Total	0.172J	4.23	3.70	88		-	-		75-125	-		20
Cadmium, Total	0.168J	4.48	3.76	84		-	-		75-125	-		20
Calcium, Total	452	846	1090	75		-	-		75-125	-		20
Chromium, Total	5.13	16.9	18.3	78		-	-		75-125	-		20
Cobalt, Total	2.48	42.3	33.9	74	Q	-	-		75-125	-		20
Copper, Total	8.42	21.1	26.9	87		-	-		75-125	-		20
Iron, Total	6320	84.6	6710	461	Q	-	-		75-125	-		20
Lead, Total	5.18	44.8	38.5	74	Q	-	-		75-125	-		20
Magnesium, Total	1030	846	2020	117		-	-		75-125	-		20
Manganese, Total	155	42.3	195	95		-	-		75-125	-		20
Nickel, Total	4.87	42.3	37.6	77		-	-		75-125	-		20
Potassium, Total	302	846	1110	96		-	-		75-125	-		20
Selenium, Total	ND	10.1	7.96	78		-	-		75-125	-		20
Silver, Total	ND	25.4	22.2	88		-	-		75-125	-		20
Sodium, Total	23.2J	846	692	82		-	-		75-125	-		20
Thallium, Total	ND	10.1	7.58	75		-	-		75-125	-		20
Vanadium, Total	7.86	42.3	40.9	78		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1615842-3 QC Sample: L2211476-01 Client ID: MS Sample									
Zinc, Total	16.3	42.3	52.7	86	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1615843-3 QC Sample: L2211654-41 Client ID: MS Sample									
Mercury, Total	ND	1.4	1.39	99	-	-	80-120	-	20

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2211829
Report Date: 03/28/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1615842-4 QC Sample: L2211476-01 Client ID: DUP Sample						
Aluminum, Total	3600	4590	mg/kg	24	Q	20
Antimony, Total	0.231J	0.189J	mg/kg	NC		20
Arsenic, Total	0.863	0.830	mg/kg	4		20
Barium, Total	15.9	18.4	mg/kg	15		20
Beryllium, Total	0.172J	0.206J	mg/kg	NC		20
Cadmium, Total	0.168J	0.189J	mg/kg	NC		20
Chromium, Total	5.13	6.27	mg/kg	20		20
Cobalt, Total	2.48	3.11	mg/kg	23	Q	20
Copper, Total	8.42	11.3	mg/kg	29	Q	20
Lead, Total	5.18	5.12	mg/kg	1		20
Manganese, Total	155	230	mg/kg	39	Q	20
Nickel, Total	4.87	6.46	mg/kg	28	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	7.86	10.2	mg/kg	26	Q	20
Zinc, Total	16.3	20.6	mg/kg	23	Q	20
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1615843-4 QC Sample: L2211654-41 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2211829
Report Date: 03/28/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1615842-6 QC Sample: L2211476-01 Client ID: DUP Sample						
Aluminum, Total	3600	3920	mg/kg	9		20
Barium, Total	15.9	18.1	mg/kg	14		20
Manganese, Total	155	176	mg/kg	14		20

INORGANICS & MISCELLANEOUS

Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-01**Client ID:** SB-3**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Date Collected:** 03/07/22 13:55**Date Received:** 03/07/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	03/08/22 07:28	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-02**Client ID:** SB-4**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Date Collected:** 03/07/22 14:25**Date Received:** 03/07/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	03/08/22 07:28	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-03

Date Collected: 03/07/22 13:20

Client ID: SB-5

Date Received: 03/07/22

Sample Location: 70 FERNBROOK ST, YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	03/08/22 07:28	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/17/22 14:15	03/18/22 09:18	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.895	0.179	1	03/17/22 09:20	03/18/22 10:50	1,7196A	PB



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-04**Client ID:** SB-8**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Date Collected:** 03/07/22 14:50**Date Received:** 03/07/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	03/08/22 07:28	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

SAMPLE RESULTS

Lab ID: L2211829-05

Date Collected: 03/07/22 10:20

Client ID: SB-9

Date Received: 03/07/22

Sample Location: 70 FERNBROOK ST, YONKERS, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.4		%	0.100	NA	1	-	03/08/22 07:28	121,2540G	RI
Cyanide, Total	0.31	J	mg/kg	1.3	0.27	1	03/17/22 14:15	03/18/22 09:19	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	1.05	0.209	1	03/17/22 09:20	03/18/22 10:50	1,7196A	PB



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-06**Client ID:** SB-10**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Date Collected:** 03/07/22 12:20**Date Received:** 03/07/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	03/08/22 07:28	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2211829**Report Date:** 03/28/22**SAMPLE RESULTS****Lab ID:** L2211829-07**Client ID:** SB-12**Sample Location:** 70 FERNBROOK ST, YONKERS, NY**Date Collected:** 03/07/22 15:15**Date Received:** 03/07/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	03/08/22 08:16	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03,05 Batch: WG1616044-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/17/22 09:20	03/18/22 10:50	1,7196A	PB
General Chemistry - Westborough Lab for sample(s): 03,05 Batch: WG1616781-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	03/17/22 14:15	03/18/22 08:54	1,9010C/9012B	CS

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2211829

Report Date: 03/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,05 Batch: WG1616044-2								
Chromium, Hexavalent	91		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03,05 Batch: WG1616781-2 WG1616781-3								
Cyanide, Total	93		81		80-120	22		35

Matrix Spike Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2211829

Project Number: 02980.0017

Report Date: 03/28/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG1616044-4 QC Sample: L2211829-03 Client ID: SB-5

Chromium, Hexavalent	ND	1160	1000	86		-	-		75-125	-		20
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General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG1616781-4 WG1616781-5 QC Sample: L2211832-04 Client ID: MS Sample

Cyanide, Total	ND	11	12	110		12	110		75-125	0		35
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Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2211829
Report Date: 03/28/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1612910-1 QC Sample: L2211834-01 Client ID: DUP Sample						
Solids, Total	85.6	85.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1612914-1 QC Sample: L2211713-01 Client ID: DUP Sample						
Solids, Total	86.7	85.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG1616044-6 QC Sample: L2211829-03 Client ID: SB-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Serial_No:03282216:47
Lab Number: L2211829
Report Date: 03/28/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2211829-01A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-01B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-01C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-01D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-01H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2211829-01X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-01Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-01Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-02A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-02B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-02C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-02D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-02H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2211829-02X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-02Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-02Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-03A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2211829-03B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2211829-03C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2211829-03D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),CR-Ti(180),AL-Ti(180),TL-Ti(180),CU-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Serial_No:03282216:47
Lab Number: L2211829
Report Date: 03/28/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2211829-03F	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L2211829-03G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8082(365)
L2211829-03H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365)
L2211829-03X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2211829-03Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2211829-03Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2211829-04A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-04B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-04C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-04D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-04H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2211829-04X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-04Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-04Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-05A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-05B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-05C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-05D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),ZN-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CA-Ti(180),NA-Ti(180),K-Ti(180),CD-Ti(180)
L2211829-05F	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HEXCR-7196(30)
L2211829-05G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8082(365)
L2211829-05H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365)
L2211829-05X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-05Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-05Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2211829**Project Number:** 02980.0017**Report Date:** 03/28/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2211829-06A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-06B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-06C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-06D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-06H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2211829-06X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-06Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-06Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-07A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-07B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-07C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-07D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2211829-07H	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2211829-07X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2211829-07Y	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)
L2211829-07Z	Vial Water preserved split	A	NA		3.2	Y	Absent	08-MAR-22 07:13	NYTCL-8260HLW(14)

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2211829
Report Date: 03/28/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



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

Revision 19

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

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Certification Information

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

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

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

Biological Tissue Matrix: EPA 3050B

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

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

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

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

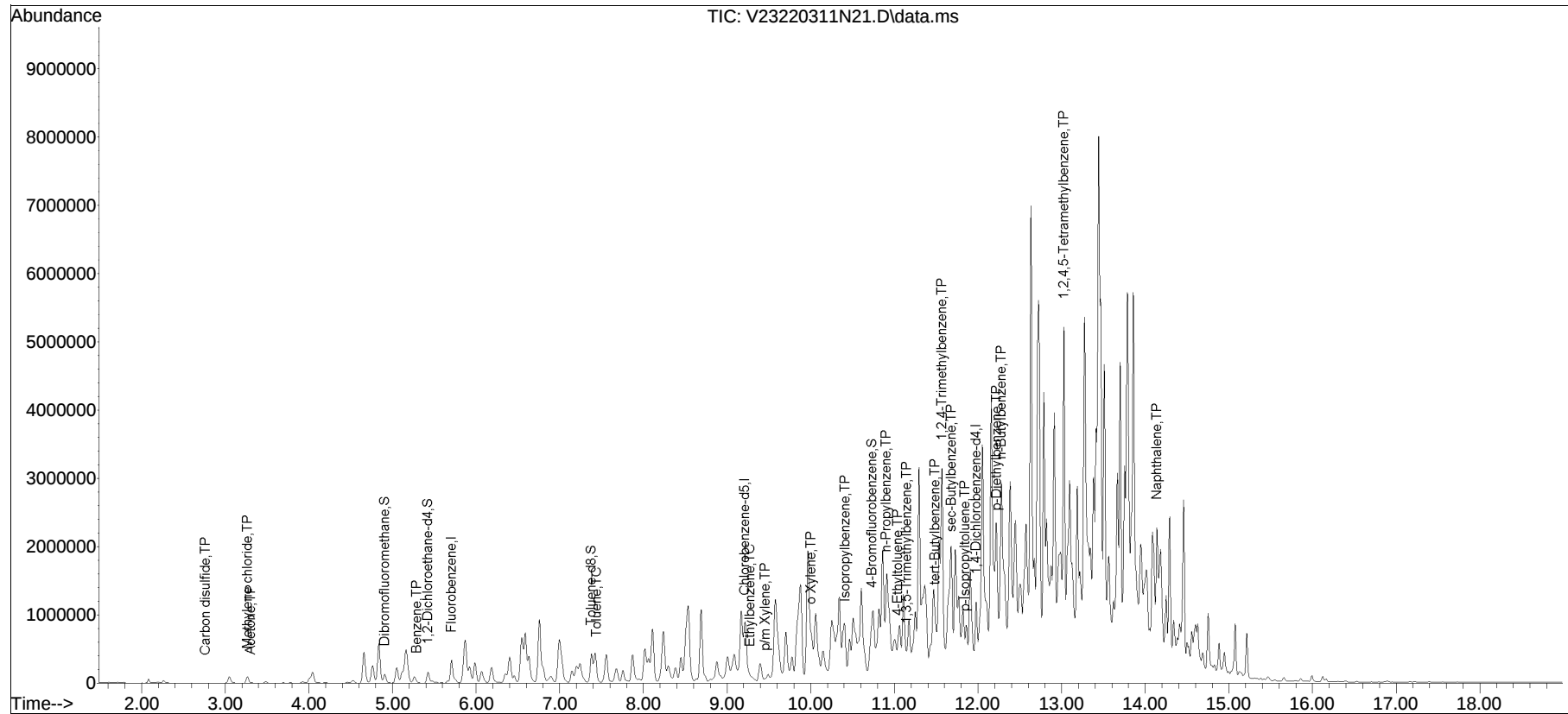
For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA123\2022\220311N\
Data File : V23220311N21.D
Acq On : 12 Mar 2022 02:42 am
Operator : VOA123:JC
Sample : 12211829-01D,31H,5.31,5,0.050,,x
Misc : WG1615310,ICAL18780
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 08:29:30 2022
Quant Method : I:\VOLATILES\VOA123\2022\220311N\V123_220301N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 02 06:49:36 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20311N\V23220311N01.D•

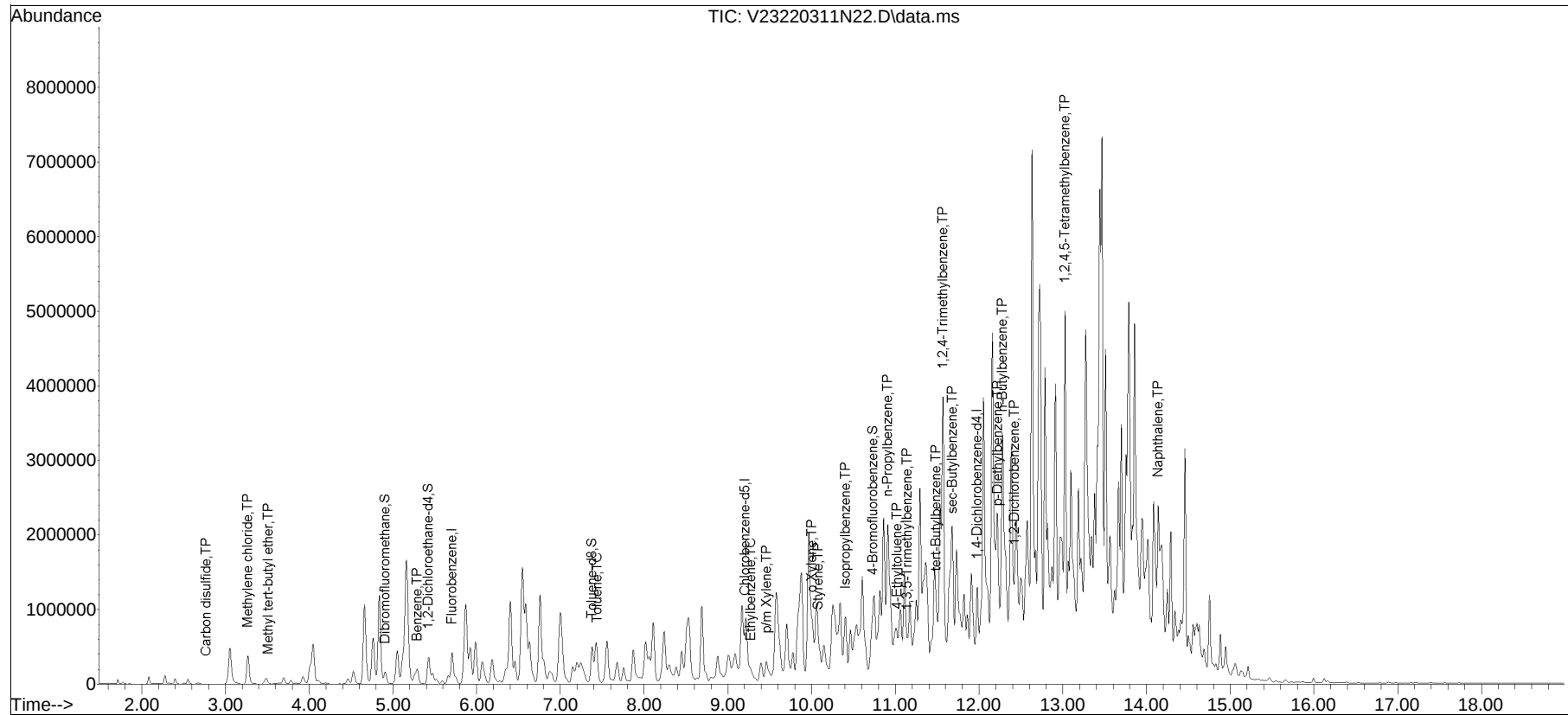


Quantitation Report (QT Reviewed)

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Data File : V23220311N22.D
Acq On : 12 Mar 2022 03:07 am
Operator : VOA123:JC
Sample : 12211829-02D,31H,4.77,5,0.020,,x
Misc : WG1615310,ICAL18780
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 14 08:30:58 2022
Quant Method : I:\VOLATILES\VOA123\2022\220311N\V123_220301N_8260.m
Quant Title : VOLATILES BY GC/MS
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Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20311N\V23220311N01.D•

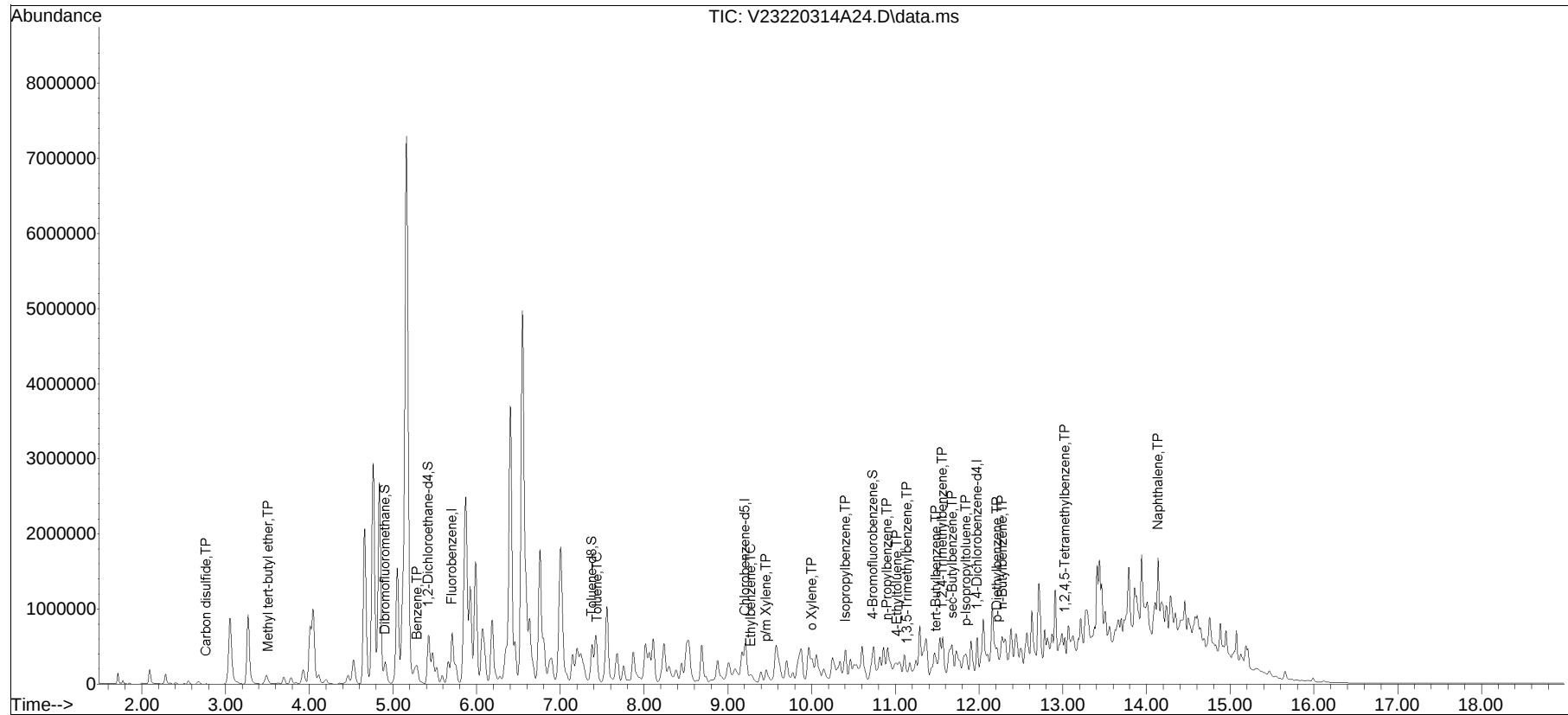


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Data Path : I:\VOLATILES\VOA123\2022\220314A\
 Data File : V23220314A24.D
 Acq On : 14 Mar 2022 05:14 pm
 Operator : VOA123:KJD
 Sample : 12211829-03,31,2.79,5,,y
 Misc : WG1615559,ICAL18780
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 21:07:15 2022
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 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20314A\V23220314A01.D•

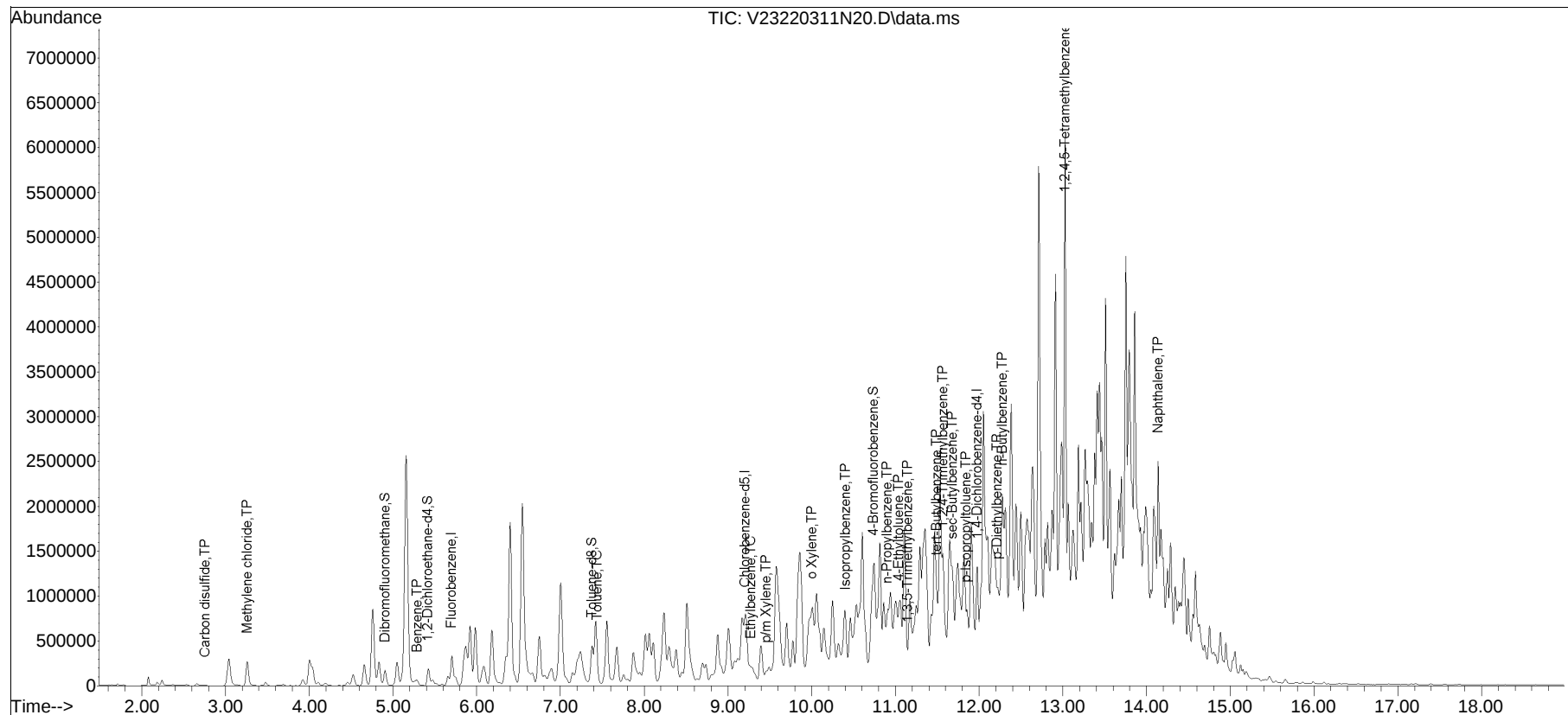


Quantitation Report (QT Reviewed)

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Acq On : 12 Mar 2022 02:17 am
Operator : VOA123:JC
Sample : 12211829-04,31H,5.14,5,0.100,,x
Misc : WG1615310,ICAL18780
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 08:27:51 2022
Quant Method : I:\VOLATILES\VOA123\2022\220311N\V123_220301N_8260.m
Quant Title : VOLATILES BY GC/MS
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Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20311N\V23220311N01.D•

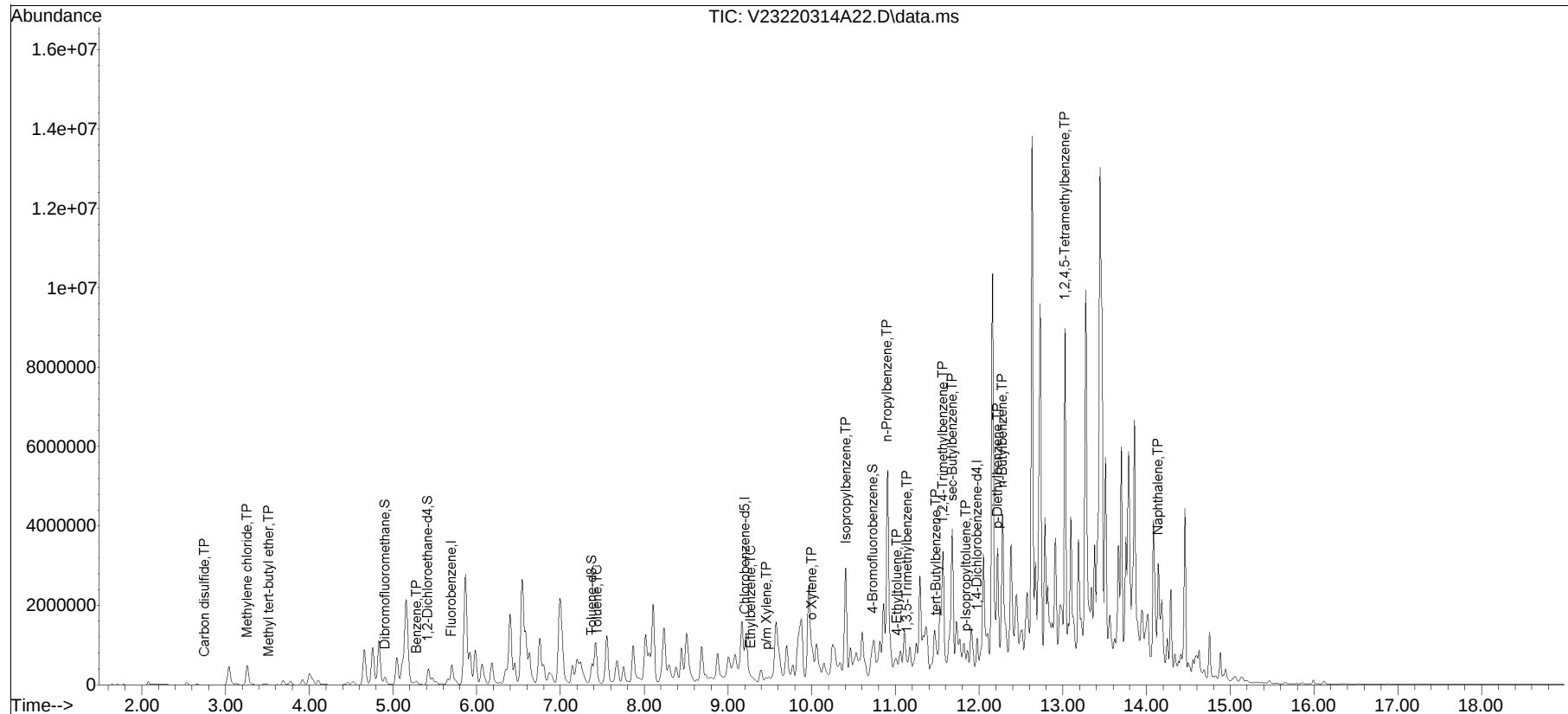


Quantitation Report (QT Reviewed)

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 Operator : VOA123:KJD
 Sample : 12211829-05,31H,4.57,5,0.100,,x
 Misc : WG1615564,ICAL18780
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 14 21:04:41 2022
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 Quant Title : VOLATILES BY GC/MS
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 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20314A\V23220314A01.D•

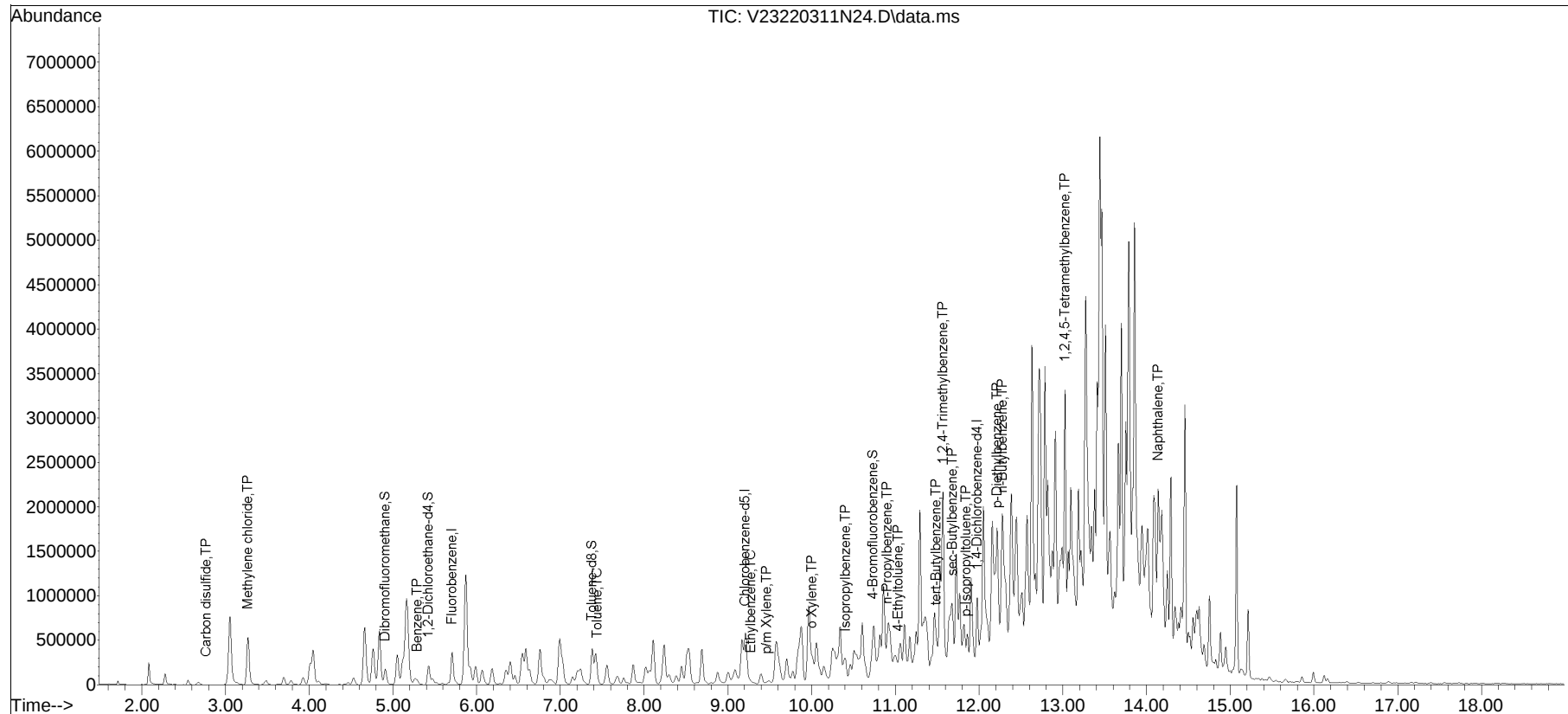


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA123\2022\220311N\
Data File : V23220311N24.D
Acq On : 12 Mar 2022 03:57 am
Operator : VOA123:JC
Sample : 12211829-06D, 31H, 5.60, 5, 0.020, , x
Misc : WG1615310, ICAL18780
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 08:35:11 2022
Quant Method : I:\VOLATILES\VOA123\2022\220311N\V123_220301N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 02 06:49:36 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20311N\V23220311N01.D•





ANALYTICAL REPORT

Lab Number:	L2212074
Client:	PS&S Engineering, Inc. 1 Larkin Plaza 2nd Floor Yonkers, NY 10701
ATTN:	Camila Israel
Phone:	(914) 509-8616
Project Name:	FERNBROOK STREET PHASE II
Project Number:	02980.0017
Report Date:	03/29/22

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

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



Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2212074-01	SB-1	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 11:05	03/08/22
L2212074-02	SB-2	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 11:40	03/08/22
L2212074-03	SB-6	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 10:45	03/08/22
L2212074-04	SB-7	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 08:55	03/08/22
L2212074-05	SB-11	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 12:45	03/08/22
L2212074-06	SB-13	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 10:20	03/08/22
L2212074-07	SB-14	SOIL	YONKERS, NY (70 FERNBROOK ST)	03/08/22 12:10	03/08/22
L2212074-08	TW-1	WATER	YONKERS, NY (70 FERNBROOK ST)	03/08/22 09:30	03/08/22
L2212074-09	TW-2	WATER	YONKERS, NY (70 FERNBROOK ST)	03/08/22 13:10	03/08/22
L2212074-10	FIELD BLANK	WATER	YONKERS, NY (70 FERNBROOK ST)	03/08/22 10:45	03/08/22

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Case Narrative

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

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

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

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

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

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

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2212074-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (196%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2212074-02: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (265%) due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. The sample was analyzed as a High Level Methanol in order to quantitate result(s) within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the Volatile Organics by EPA Method 5035/8260 High and Low Level analyses which have been attributed to sample non-homogeneity.

L2212074-04: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (233%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2212074-05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2212074-05D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (220%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2212074-08D: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

L2212074-08D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (136%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Case Narrative (continued)

chromatogram is included as an attachment to this report.

L2212074-09D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

Semivolatile Organics

L2212074-04: The surrogate recovery was outside the acceptance criteria for 2,4,6-tribromophenol (8%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

L2212074-05RE\ID, -06RE\ID, and -07RE\ID: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2212074-06: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

The WG1615107-3 LCSD recovery, associated with L2212074-08, -09, and -09D, is below the acceptance criteria for benzoic acid (6%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG1617733-2 LCS recovery, associated with L2212074-01 through -07, was below the acceptance criteria for 3,3'-dichlorobenzidine (7%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported. All original results for these compounds are considered to have a potentially low bias.

Semivolatile Organics by SIM

L2212074-09D: The sample has elevated detection limits due to the dilution required by the sample matrix.

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

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 03/29/22

ORGANICS

VOLATILES

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-01
 Client ID: SB-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/18/22 04:42
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	350	160	1
1,1-Dichloroethane	ND		ug/kg	71	10.	1
Chloroform	ND		ug/kg	100	9.9	1
Carbon tetrachloride	ND		ug/kg	71	16.	1
1,2-Dichloropropane	ND		ug/kg	71	8.8	1
Dibromochloromethane	ND		ug/kg	71	9.9	1
1,1,2-Trichloroethane	ND		ug/kg	71	19.	1
Tetrachloroethene	ND		ug/kg	35	14.	1
Chlorobenzene	ND		ug/kg	35	9.0	1
Trichlorofluoromethane	ND		ug/kg	280	49.	1
1,2-Dichloroethane	ND		ug/kg	71	18.	1
1,1,1-Trichloroethane	ND		ug/kg	35	12.	1
Bromodichloromethane	ND		ug/kg	35	7.7	1
trans-1,3-Dichloropropene	ND		ug/kg	71	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	35	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	35	11.	1
1,1-Dichloropropene	ND		ug/kg	35	11.	1
Bromoform	ND		ug/kg	280	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	35	12.	1
Benzene	820		ug/kg	35	12.	1
Toluene	400		ug/kg	71	38.	1
Ethylbenzene	1100		ug/kg	71	10.	1
Chloromethane	ND		ug/kg	280	66.	1
Bromomethane	ND		ug/kg	140	41.	1
Vinyl chloride	ND		ug/kg	71	24.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	71	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.7	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-01**Date Collected:** 03/08/22 11:05**Client ID:** SB-1**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	35	9.7	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	880		ug/kg	140	40.	1
o-Xylene	130		ug/kg	71	20.	1
Xylenes, Total	1000		ug/kg	71	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	71	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	71	9.7	1
Dibromomethane	ND		ug/kg	140	17.	1
Styrene	15	J	ug/kg	71	14.	1
Dichlorodifluoromethane	ND		ug/kg	710	65.	1
Acetone	ND		ug/kg	710	340	1
Carbon disulfide	ND		ug/kg	710	320	1
2-Butanone	ND		ug/kg	710	160	1
Vinyl acetate	ND		ug/kg	710	150	1
4-Methyl-2-pentanone	ND		ug/kg	710	90.	1
1,2,3-Trichloropropane	ND		ug/kg	140	9.0	1
2-Hexanone	ND		ug/kg	710	83.	1
Bromochloromethane	ND		ug/kg	140	14.	1
2,2-Dichloropropane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	71	20.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	35	9.3	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	5400		ug/kg	71	12.	1
sec-Butylbenzene	7200		ug/kg	71	10.	1
tert-Butylbenzene	520		ug/kg	140	8.3	1
o-Chlorotoluene	ND		ug/kg	140	13.	1
p-Chlorotoluene	ND		ug/kg	140	7.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	70.	1
Hexachlorobutadiene	ND		ug/kg	280	12.	1
Isopropylbenzene	6200		ug/kg	71	7.7	1
p-Isopropyltoluene	71		ug/kg	71	7.7	1
Naphthalene	1400		ug/kg	280	46.	1
Acrylonitrile	ND		ug/kg	280	81.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-01**Date Collected:** 03/08/22 11:05**Client ID:** SB-1**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	9400		ug/kg	71	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	77	J	ug/kg	140	14.	1
1,2,4-Trimethylbenzene	370		ug/kg	140	24.	1
1,4-Dioxane	ND		ug/kg	5600	2500	1
p-Diethylbenzene	5800		ug/kg	140	12.	1
p-Ethyltoluene	460		ug/kg	140	27.	1
1,2,4,5-Tetramethylbenzene	24000	E	ug/kg	140	13.	1
Ethyl ether	ND		ug/kg	140	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	350	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	196	Q	70-130
Dibromofluoromethane	93		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-01 **D**
Client ID: SB-1
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/17/22 11:26
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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1,2,4,5-Tetramethylbenzene	26000		ug/kg	1400	130	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	97		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-02
 Client ID: SB-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/18/22 01:13
 Analyst: JC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	2.6		ug/kg	0.48	0.16	1
Toluene	2.1		ug/kg	0.95	0.52	1
Ethylbenzene	9.5		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-02**Date Collected:** 03/08/22 11:40**Client ID:** SB-2**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	22		ug/kg	1.9	0.53	1
o-Xylene	13		ug/kg	0.95	0.28	1
Xylenes, Total	35		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	14		ug/kg	0.95	0.16	1
sec-Butylbenzene	34		ug/kg	0.95	0.14	1
tert-Butylbenzene	42		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	82		ug/kg	0.95	0.10	1
p-Isopropyltoluene	17		ug/kg	0.95	0.10	1
Naphthalene	34		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-02
Client ID: SB-2
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	54		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	76		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	340	E	ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	52		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	98		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	265	Q	70-130
Dibromofluoromethane	85		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-02 D
 Client ID: SB-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/17/22 11:49
 Analyst: JC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	590	270	2
1,1-Dichloroethane	ND		ug/kg	120	17.	2
Chloroform	ND		ug/kg	180	17.	2
Carbon tetrachloride	ND		ug/kg	120	27.	2
1,2-Dichloropropane	ND		ug/kg	120	15.	2
Dibromochloromethane	ND		ug/kg	120	17.	2
1,1,2-Trichloroethane	ND		ug/kg	120	32.	2
Tetrachloroethene	ND		ug/kg	59	23.	2
Chlorobenzene	ND		ug/kg	59	15.	2
Trichlorofluoromethane	ND		ug/kg	480	83.	2
1,2-Dichloroethane	ND		ug/kg	120	30.	2
1,1,1-Trichloroethane	ND		ug/kg	59	20.	2
Bromodichloromethane	ND		ug/kg	59	13.	2
trans-1,3-Dichloropropene	ND		ug/kg	120	32.	2
cis-1,3-Dichloropropene	ND		ug/kg	59	19.	2
1,3-Dichloropropene, Total	ND		ug/kg	59	19.	2
1,1-Dichloropropene	ND		ug/kg	59	19.	2
Bromoform	ND		ug/kg	480	29.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	20.	2
Benzene	120		ug/kg	59	20.	2
Toluene	200		ug/kg	120	64.	2
Ethylbenzene	120		ug/kg	120	17.	2
Chloromethane	ND		ug/kg	480	110	2
Bromomethane	ND		ug/kg	240	69.	2
Vinyl chloride	ND		ug/kg	120	40.	2
Chloroethane	ND		ug/kg	240	54.	2
1,1-Dichloroethene	ND		ug/kg	120	28.	2
trans-1,2-Dichloroethene	ND		ug/kg	180	16.	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-02 D
 Client ID: SB-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	59	16.	2
1,2-Dichlorobenzene	ND		ug/kg	240	17.	2
1,3-Dichlorobenzene	ND		ug/kg	240	18.	2
1,4-Dichlorobenzene	ND		ug/kg	240	20.	2
Methyl tert butyl ether	ND		ug/kg	240	24.	2
p/m-Xylene	430		ug/kg	240	67.	2
o-Xylene	110	J	ug/kg	120	35.	2
Xylenes, Total	540	J	ug/kg	120	35.	2
cis-1,2-Dichloroethene	ND		ug/kg	120	21.	2
1,2-Dichloroethene, Total	ND		ug/kg	120	16.	2
Dibromomethane	ND		ug/kg	240	28.	2
Styrene	ND		ug/kg	120	23.	2
Dichlorodifluoromethane	ND		ug/kg	1200	110	2
Acetone	ND		ug/kg	1200	570	2
Carbon disulfide	ND		ug/kg	1200	540	2
2-Butanone	ND		ug/kg	1200	260	2
Vinyl acetate	ND		ug/kg	1200	260	2
4-Methyl-2-pentanone	ND		ug/kg	1200	150	2
1,2,3-Trichloropropane	ND		ug/kg	240	15.	2
2-Hexanone	ND		ug/kg	1200	140	2
Bromochloromethane	ND		ug/kg	240	24.	2
2,2-Dichloropropane	ND		ug/kg	240	24.	2
1,2-Dibromoethane	ND		ug/kg	120	33.	2
1,3-Dichloropropane	ND		ug/kg	240	20.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	16.	2
Bromobenzene	ND		ug/kg	240	17.	2
n-Butylbenzene	100	J	ug/kg	120	20.	2
sec-Butylbenzene	140		ug/kg	120	17.	2
tert-Butylbenzene	130	J	ug/kg	240	14.	2
o-Chlorotoluene	ND		ug/kg	240	23.	2
p-Chlorotoluene	ND		ug/kg	240	13.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	360	120	2
Hexachlorobutadiene	ND		ug/kg	480	20.	2
Isopropylbenzene	220		ug/kg	120	13.	2
p-Isopropyltoluene	92	J	ug/kg	120	13.	2
Naphthalene	310	J	ug/kg	480	77.	2
Acrylonitrile	ND		ug/kg	480	140	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-02 D
 Client ID: SB-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	200		ug/kg	120	20.	2
1,2,3-Trichlorobenzene	ND		ug/kg	240	38.	2
1,2,4-Trichlorobenzene	ND		ug/kg	240	32.	2
1,3,5-Trimethylbenzene	300		ug/kg	240	23.	2
1,2,4-Trimethylbenzene	1400		ug/kg	240	40.	2
1,4-Dioxane	ND		ug/kg	9500	4200	2
p-Diethylbenzene	ND		ug/kg	240	21.	2
p-Ethyltoluene	340		ug/kg	240	46.	2
1,2,4,5-Tetramethylbenzene	510		ug/kg	240	23.	2
Ethyl ether	ND		ug/kg	240	40.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	104		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-03
 Client ID: SB-6
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/18/22 05:06
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	360	160	1
1,1-Dichloroethane	ND		ug/kg	71	10.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	71	16.	1
1,2-Dichloropropane	ND		ug/kg	71	8.9	1
Dibromochloromethane	ND		ug/kg	71	10.	1
1,1,2-Trichloroethane	ND		ug/kg	71	19.	1
Tetrachloroethene	ND		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.0	1
Trichlorofluoromethane	ND		ug/kg	280	50.	1
1,2-Dichloroethane	ND		ug/kg	71	18.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	7.8	1
trans-1,3-Dichloropropene	ND		ug/kg	71	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	36	11.	1
1,1-Dichloropropene	ND		ug/kg	36	11.	1
Bromoform	ND		ug/kg	280	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	670		ug/kg	36	12.	1
Toluene	230		ug/kg	71	39.	1
Ethylbenzene	370		ug/kg	71	10.	1
Chloromethane	ND		ug/kg	280	66.	1
Bromomethane	ND		ug/kg	140	41.	1
Vinyl chloride	ND		ug/kg	71	24.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	71	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	9.8	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-03**Date Collected:** 03/08/22 10:45**Client ID:** SB-6**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	36	9.8	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	430		ug/kg	140	40.	1
o-Xylene	63	J	ug/kg	71	21.	1
Xylenes, Total	490	J	ug/kg	71	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	71	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	71	9.8	1
Dibromomethane	ND		ug/kg	140	17.	1
Styrene	ND		ug/kg	71	14.	1
Dichlorodifluoromethane	ND		ug/kg	710	65.	1
Acetone	ND		ug/kg	710	340	1
Carbon disulfide	ND		ug/kg	710	320	1
2-Butanone	ND		ug/kg	710	160	1
Vinyl acetate	ND		ug/kg	710	150	1
4-Methyl-2-pentanone	ND		ug/kg	710	91.	1
1,2,3-Trichloropropane	ND		ug/kg	140	9.0	1
2-Hexanone	ND		ug/kg	710	84.	1
Bromochloromethane	ND		ug/kg	140	15.	1
2,2-Dichloropropane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	71	20.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	36	9.4	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	5700		ug/kg	71	12.	1
sec-Butylbenzene	3000		ug/kg	71	10.	1
tert-Butylbenzene	140		ug/kg	140	8.4	1
o-Chlorotoluene	ND		ug/kg	140	14.	1
p-Chlorotoluene	ND		ug/kg	140	7.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	71.	1
Hexachlorobutadiene	ND		ug/kg	280	12.	1
Isopropylbenzene	3800		ug/kg	71	7.8	1
p-Isopropyltoluene	29	J	ug/kg	71	7.8	1
Naphthalene	780		ug/kg	280	46.	1
Acrylonitrile	ND		ug/kg	280	82.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-03**Date Collected:** 03/08/22 10:45**Client ID:** SB-6**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	12000		ug/kg	71	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	29	J	ug/kg	140	14.	1
1,2,4-Trimethylbenzene	260		ug/kg	140	24.	1
1,4-Dioxane	ND		ug/kg	5700	2500	1
p-Diethylbenzene	3700		ug/kg	140	13.	1
p-Ethyltoluene	170		ug/kg	140	27.	1
1,2,4,5-Tetramethylbenzene	13000		ug/kg	140	14.	1
Ethyl ether	ND		ug/kg	140	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	360	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	94		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-04
 Client ID: SB-7
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/17/22 12:36
 Analyst: JC
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	0.70		ug/kg	0.56	0.19	1
Toluene	1.7		ug/kg	1.1	0.61	1
Ethylbenzene	1.1		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-04**Date Collected:** 03/08/22 08:55**Client ID:** SB-7**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	2.0	J	ug/kg	2.2	0.63	1
o-Xylene	0.62	J	ug/kg	1.1	0.33	1
Xylenes, Total	2.6	J	ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	25		ug/kg	11	5.4	1
Carbon disulfide	5.4	J	ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	0.57	J	ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.22	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-04
Client ID: SB-7
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.56	J	ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.31	1
1,3,5-Trimethylbenzene	0.28	J	ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
1,4-Dioxane	ND		ug/kg	90	40.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	1.1	J	ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.22	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	233	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05 D
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/17/22 13:00
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	660	300	2
1,1-Dichloroethane	ND		ug/kg	130	19.	2
Chloroform	ND		ug/kg	200	19.	2
Carbon tetrachloride	ND		ug/kg	130	31.	2
1,2-Dichloropropane	ND		ug/kg	130	17.	2
Dibromochloromethane	ND		ug/kg	130	19.	2
1,1,2-Trichloroethane	ND		ug/kg	130	36.	2
Tetrachloroethene	ND		ug/kg	66	26.	2
Chlorobenzene	ND		ug/kg	66	17.	2
Trichlorofluoromethane	ND		ug/kg	530	92.	2
1,2-Dichloroethane	ND		ug/kg	130	34.	2
1,1,1-Trichloroethane	ND		ug/kg	66	22.	2
Bromodichloromethane	ND		ug/kg	66	14.	2
trans-1,3-Dichloropropene	ND		ug/kg	130	36.	2
cis-1,3-Dichloropropene	ND		ug/kg	66	21.	2
1,3-Dichloropropene, Total	ND		ug/kg	66	21.	2
1,1-Dichloropropene	ND		ug/kg	66	21.	2
Bromoform	ND		ug/kg	530	33.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	22.	2
Benzene	84		ug/kg	66	22.	2
Toluene	570		ug/kg	130	72.	2
Ethylbenzene	440		ug/kg	130	19.	2
Chloromethane	ND		ug/kg	530	120	2
Bromomethane	ND		ug/kg	270	77.	2
Vinyl chloride	510		ug/kg	130	45.	2
Chloroethane	ND		ug/kg	270	60.	2
1,1-Dichloroethene	ND		ug/kg	130	32.	2
trans-1,2-Dichloroethene	100	J	ug/kg	200	18.	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05 D
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	66	18.	2
1,2-Dichlorobenzene	19	J	ug/kg	270	19.	2
1,3-Dichlorobenzene	ND		ug/kg	270	20.	2
1,4-Dichlorobenzene	ND		ug/kg	270	23.	2
Methyl tert butyl ether	ND		ug/kg	270	27.	2
p/m-Xylene	1400		ug/kg	270	74.	2
o-Xylene	500		ug/kg	130	39.	2
Xylenes, Total	1900		ug/kg	130	39.	2
cis-1,2-Dichloroethene	8600		ug/kg	130	23.	2
1,2-Dichloroethene, Total	8700	J	ug/kg	130	18.	2
Dibromomethane	ND		ug/kg	270	32.	2
Styrene	28	J	ug/kg	130	26.	2
Dichlorodifluoromethane	ND		ug/kg	1300	120	2
Acetone	3100		ug/kg	1300	640	2
Carbon disulfide	ND		ug/kg	1300	610	2
2-Butanone	ND		ug/kg	1300	300	2
Vinyl acetate	ND		ug/kg	1300	290	2
4-Methyl-2-pentanone	ND		ug/kg	1300	170	2
1,2,3-Trichloropropane	ND		ug/kg	270	17.	2
2-Hexanone	ND		ug/kg	1300	160	2
Bromochloromethane	ND		ug/kg	270	27.	2
2,2-Dichloropropane	ND		ug/kg	270	27.	2
1,2-Dibromoethane	ND		ug/kg	130	37.	2
1,3-Dichloropropane	ND		ug/kg	270	22.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	18.	2
Bromobenzene	ND		ug/kg	270	19.	2
n-Butylbenzene	1700		ug/kg	130	22.	2
sec-Butylbenzene	1400		ug/kg	130	19.	2
tert-Butylbenzene	69	J	ug/kg	270	16.	2
o-Chlorotoluene	ND		ug/kg	270	25.	2
p-Chlorotoluene	ND		ug/kg	270	14.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	130	2
Hexachlorobutadiene	ND		ug/kg	530	22.	2
Isopropylbenzene	240		ug/kg	130	14.	2
p-Isopropyltoluene	1200		ug/kg	130	14.	2
Naphthalene	4800		ug/kg	530	86.	2
Acrylonitrile	ND		ug/kg	530	150	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05 D
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	820		ug/kg	130	23.	2
1,2,3-Trichlorobenzene	ND		ug/kg	270	43.	2
1,2,4-Trichlorobenzene	ND		ug/kg	270	36.	2
1,3,5-Trimethylbenzene	1000		ug/kg	270	26.	2
1,2,4-Trimethylbenzene	3300		ug/kg	270	44.	2
1,4-Dioxane	ND		ug/kg	11000	4700	2
p-Diethylbenzene	940		ug/kg	270	24.	2
p-Ethyltoluene	2400		ug/kg	270	51.	2
1,2,4,5-Tetramethylbenzene	3600		ug/kg	270	25.	2
Ethyl ether	ND		ug/kg	270	45.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	660	190	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	220	Q	70-130
Dibromofluoromethane	103		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-06
 Client ID: SB-13
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/18/22 01:36
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.7	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	0.30	J	ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.40	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.22	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.47	1
Tetrachloroethene	ND		ug/kg	0.87	0.34	1
Chlorobenzene	ND		ug/kg	0.87	0.22	1
Trichlorofluoromethane	ND		ug/kg	7.0	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.45	1
1,1,1-Trichloroethane	ND		ug/kg	0.87	0.29	1
Bromodichloromethane	ND		ug/kg	0.87	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.48	1
cis-1,3-Dichloropropene	ND		ug/kg	0.87	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.87	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.87	0.28	1
Bromoform	ND		ug/kg	7.0	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.87	0.29	1
Benzene	ND		ug/kg	0.87	0.29	1
Toluene	ND		ug/kg	1.7	0.95	1
Ethylbenzene	0.29	J	ug/kg	1.7	0.25	1
Chloromethane	ND		ug/kg	7.0	1.6	1
Bromomethane	ND		ug/kg	3.5	1.0	1
Vinyl chloride	ND		ug/kg	1.7	0.58	1
Chloroethane	ND		ug/kg	3.5	0.79	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-06**Date Collected:** 03/08/22 10:20**Client ID:** SB-13**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.87	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	3.5	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.5	0.35	1
p/m-Xylene	1.2	J	ug/kg	3.5	0.98	1
o-Xylene	0.79	J	ug/kg	1.7	0.51	1
Xylenes, Total	2.0	J	ug/kg	1.7	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.24	1
Dibromomethane	ND		ug/kg	3.5	0.42	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	27		ug/kg	17	8.4	1
Carbon disulfide	ND		ug/kg	17	8.0	1
2-Butanone	3.9	J	ug/kg	17	3.9	1
Vinyl acetate	ND		ug/kg	17	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.5	0.22	1
2-Hexanone	ND		ug/kg	17	2.1	1
Bromochloromethane	ND		ug/kg	3.5	0.36	1
2,2-Dichloropropane	ND		ug/kg	3.5	0.35	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.49	1
1,3-Dichloropropane	ND		ug/kg	3.5	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.87	0.23	1
Bromobenzene	ND		ug/kg	3.5	0.25	1
n-Butylbenzene	1.5	J	ug/kg	1.7	0.29	1
sec-Butylbenzene	0.75	J	ug/kg	1.7	0.26	1
tert-Butylbenzene	ND		ug/kg	3.5	0.21	1
o-Chlorotoluene	ND		ug/kg	3.5	0.33	1
p-Chlorotoluene	ND		ug/kg	3.5	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.30	1
Isopropylbenzene	0.30	J	ug/kg	1.7	0.19	1
p-Isopropyltoluene	1.2	J	ug/kg	1.7	0.19	1
Naphthalene	67		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	7.0	2.0	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-06
Client ID: SB-13
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.62	J	ug/kg	1.7	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	0.56	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	0.48	1
1,3,5-Trimethylbenzene	3.5		ug/kg	3.5	0.34	1
1,2,4-Trimethylbenzene	10		ug/kg	3.5	0.58	1
1,4-Dioxane	ND		ug/kg	140	61.	1
p-Diethylbenzene	ND		ug/kg	3.5	0.31	1
p-Ethyltoluene	3.3	J	ug/kg	3.5	0.67	1
1,2,4,5-Tetramethylbenzene	19		ug/kg	3.5	0.33	1
Ethyl ether	ND		ug/kg	3.5	0.60	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.7	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	81		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/17/22 13:47
 Analyst: AJK
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	0.26	J	ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-07**Date Collected:** 03/08/22 12:10**Client ID:** SB-14**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	17		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	2.3		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	0.21	J	ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-07
Client ID: SB-14
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	126		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-08 D
 Client ID: TW-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 09:30
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/18/22 02:43
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	0.34	J	ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-08 D
 Client ID: TW-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 09:30
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	10		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	5.1		ug/l	5.0	1.4	2
sec-Butylbenzene	4.4	J	ug/l	5.0	1.4	2
tert-Butylbenzene	1.7	J	ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-08 **D**
Client ID: TW-1
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 09:30
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	10		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	136	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-09 D
 Client ID: TW-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/18/22 03:06
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	30		ug/l	1.0	0.32	2
Toluene	100		ug/l	5.0	1.4	2
Ethylbenzene	13		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	7.4		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.2	J	ug/l	5.0	1.4	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-09 D
 Client ID: TW-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.80	J	ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	46		ug/l	5.0	1.4	2
o-Xylene	28		ug/l	5.0	1.4	2
Xylenes, Total	74		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	51		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	53	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	120		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	4.3	J	ug/l	5.0	1.4	2
sec-Butylbenzene	2.6	J	ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	2.5	J	ug/l	5.0	1.4	2
p-Isopropyltoluene	2.6	J	ug/l	5.0	1.4	2
Naphthalene	76		ug/l	5.0	1.4	2

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-09 D
 Client ID: TW-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	6.8		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	14		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	58		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	39		ug/l	4.0	1.4	2
p-Ethyltoluene	42		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	45		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 08:44
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07 Batch: WG1617228-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 08:44
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07 Batch: WG1617228-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 08:44
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07 Batch: WG1617228-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 20:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03 Batch: WG1617233-10					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 20:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03 Batch: WG1617233-10					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 20:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03 Batch: WG1617233-10					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 08:44
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,05 Batch: WG1617233-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 08:44
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,05 Batch: WG1617233-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 08:44
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,05 Batch: WG1617233-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 20:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06 Batch: WG1617237-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 20:56
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06 Batch: WG1617237-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 20:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06 Batch: WG1617237-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 19:18
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1617273-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/17/22 19:18
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1617273-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/22 19:18
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1617273-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1617228-3 WG1617228-4								
Methylene chloride	86		74		70-130	15		30
1,1-Dichloroethane	92		83		70-130	10		30
Chloroform	89		83		70-130	7		30
Carbon tetrachloride	104		98		70-130	6		30
1,2-Dichloropropane	94		83		70-130	12		30
Dibromochloromethane	103		97		70-130	6		30
1,1,2-Trichloroethane	97		90		70-130	7		30
Tetrachloroethene	121		108		70-130	11		30
Chlorobenzene	102		90		70-130	13		30
Trichlorofluoromethane	105		96		70-139	9		30
1,2-Dichloroethane	85		80		70-130	6		30
1,1,1-Trichloroethane	99		94		70-130	5		30
Bromodichloromethane	89		82		70-130	8		30
trans-1,3-Dichloropropene	106		96		70-130	10		30
cis-1,3-Dichloropropene	100		90		70-130	11		30
1,1-Dichloropropene	107		97		70-130	10		30
Bromoform	100		97		70-130	3		30
1,1,2,2-Tetrachloroethane	95		94		70-130	1		30
Benzene	102		90		70-130	13		30
Toluene	102		90		70-130	13		30
Ethylbenzene	104		93		70-130	11		30
Chloromethane	96		79		52-130	19		30
Bromomethane	85		73		57-147	15		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1617228-3 WG1617228-4								
Vinyl chloride	99		84		67-130	16		30
Chloroethane	90		72		50-151	22		30
1,1-Dichloroethene	103		93		65-135	10		30
trans-1,2-Dichloroethene	95		88		70-130	8		30
Trichloroethene	106		94		70-130	12		30
1,2-Dichlorobenzene	103		91		70-130	12		30
1,3-Dichlorobenzene	107		93		70-130	14		30
1,4-Dichlorobenzene	104		92		70-130	12		30
Methyl tert butyl ether	89		87		66-130	2		30
p/m-Xylene	107		95		70-130	12		30
o-Xylene	104		92		70-130	12		30
cis-1,2-Dichloroethene	92		82		70-130	11		30
Dibromomethane	86		82		70-130	5		30
Styrene	106		93		70-130	13		30
Dichlorodifluoromethane	109		94		30-146	15		30
Acetone	76		85		54-140	11		30
Carbon disulfide	100		87		59-130	14		30
2-Butanone	74		81		70-130	9		30
Vinyl acetate	91		88		70-130	3		30
4-Methyl-2-pentanone	85		92		70-130	8		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	82		90		70-130	9		30
Bromochloromethane	93		83		70-130	11		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1617228-3 WG1617228-4								
2,2-Dichloropropane	96		89		70-130	8		30
1,2-Dibromoethane	102		96		70-130	6		30
1,3-Dichloropropane	98		91		69-130	7		30
1,1,1,2-Tetrachloroethane	108		97		70-130	11		30
Bromobenzene	104		92		70-130	12		30
n-Butylbenzene	117		102		70-130	14		30
sec-Butylbenzene	116		102		70-130	13		30
tert-Butylbenzene	113		100		70-130	12		30
o-Chlorotoluene	106		93		70-130	13		30
p-Chlorotoluene	108		94		70-130	14		30
1,2-Dibromo-3-chloropropane	88		94		68-130	7		30
Hexachlorobutadiene	119		104		67-130	13		30
Isopropylbenzene	113		100		70-130	12		30
p-Isopropyltoluene	118		102		70-130	15		30
Naphthalene	98		95		70-130	3		30
Acrylonitrile	79		81		70-130	3		30
n-Propylbenzene	112		99		70-130	12		30
1,2,3-Trichlorobenzene	107		96		70-130	11		30
1,2,4-Trichlorobenzene	112		98		70-130	13		30
1,3,5-Trimethylbenzene	112		97		70-130	14		30
1,2,4-Trimethylbenzene	110		95		70-130	15		30
1,4-Dioxane	82		86		65-136	5		30
p-Diethylbenzene	116		100		70-130	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1617228-3 WG1617228-4								
p-Ethyltoluene	112		98		70-130	13		30
1,2,4,5-Tetramethylbenzene	113		98		70-130	14		30
Ethyl ether	80		81		67-130	1		30
trans-1,4-Dichloro-2-butene	94		94		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		93		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	93		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,05 Batch: WG1617233-3 WG1617233-4								
Methylene chloride	86		74		70-130	15		30
1,1-Dichloroethane	92		83		70-130	10		30
Chloroform	89		83		70-130	7		30
Carbon tetrachloride	104		98		70-130	6		30
1,2-Dichloropropane	94		83		70-130	12		30
Dibromochloromethane	103		97		70-130	6		30
1,1,2-Trichloroethane	97		90		70-130	7		30
Tetrachloroethene	121		108		70-130	11		30
Chlorobenzene	102		90		70-130	13		30
Trichlorofluoromethane	105		96		70-139	9		30
1,2-Dichloroethane	85		80		70-130	6		30
1,1,1-Trichloroethane	99		94		70-130	5		30
Bromodichloromethane	89		82		70-130	8		30
trans-1,3-Dichloropropene	106		96		70-130	10		30
cis-1,3-Dichloropropene	100		90		70-130	11		30
1,1-Dichloropropene	107		97		70-130	10		30
Bromoform	100		97		70-130	3		30
1,1,2,2-Tetrachloroethane	95		94		70-130	1		30
Benzene	102		90		70-130	13		30
Toluene	102		90		70-130	13		30
Ethylbenzene	104		93		70-130	11		30
Chloromethane	96		79		52-130	19		30
Bromomethane	85		73		57-147	15		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,05 Batch: WG1617233-3 WG1617233-4								
Vinyl chloride	99		84		67-130	16		30
Chloroethane	90		72		50-151	22		30
1,1-Dichloroethene	103		93		65-135	10		30
trans-1,2-Dichloroethene	95		88		70-130	8		30
Trichloroethene	106		94		70-130	12		30
1,2-Dichlorobenzene	103		91		70-130	12		30
1,3-Dichlorobenzene	107		93		70-130	14		30
1,4-Dichlorobenzene	104		92		70-130	12		30
Methyl tert butyl ether	89		87		66-130	2		30
p/m-Xylene	107		95		70-130	12		30
o-Xylene	104		92		70-130	12		30
cis-1,2-Dichloroethene	92		82		70-130	11		30
Dibromomethane	86		82		70-130	5		30
Styrene	106		93		70-130	13		30
Dichlorodifluoromethane	109		94		30-146	15		30
Acetone	76		85		54-140	11		30
Carbon disulfide	100		87		59-130	14		30
2-Butanone	74		81		70-130	9		30
Vinyl acetate	91		88		70-130	3		30
4-Methyl-2-pentanone	85		92		70-130	8		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	82		90		70-130	9		30
Bromochloromethane	93		83		70-130	11		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,05 Batch: WG1617233-3 WG1617233-4								
2,2-Dichloropropane	96		89		70-130	8		30
1,2-Dibromoethane	102		96		70-130	6		30
1,3-Dichloropropane	98		91		69-130	7		30
1,1,1,2-Tetrachloroethane	108		97		70-130	11		30
Bromobenzene	104		92		70-130	12		30
n-Butylbenzene	117		102		70-130	14		30
sec-Butylbenzene	116		102		70-130	13		30
tert-Butylbenzene	113		100		70-130	12		30
o-Chlorotoluene	106		93		70-130	13		30
p-Chlorotoluene	108		94		70-130	14		30
1,2-Dibromo-3-chloropropane	88		94		68-130	7		30
Hexachlorobutadiene	119		104		67-130	13		30
Isopropylbenzene	113		100		70-130	12		30
p-Isopropyltoluene	118		102		70-130	15		30
Naphthalene	98		95		70-130	3		30
Acrylonitrile	79		81		70-130	3		30
n-Propylbenzene	112		99		70-130	12		30
1,2,3-Trichlorobenzene	107		96		70-130	11		30
1,2,4-Trichlorobenzene	112		98		70-130	13		30
1,3,5-Trimethylbenzene	112		97		70-130	14		30
1,2,4-Trimethylbenzene	110		95		70-130	15		30
1,4-Dioxane	82		86		65-136	5		30
p-Diethylbenzene	116		100		70-130	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,05 Batch: WG1617233-3 WG1617233-4								
p-Ethyltoluene	112		98		70-130	13		30
1,2,4,5-Tetramethylbenzene	113		98		70-130	14		30
Ethyl ether	80		81		67-130	1		30
trans-1,4-Dichloro-2-butene	94		94		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		93		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	93		95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1617233-8 WG1617233-9								
Methylene chloride	80		78		70-130	3		30
1,1-Dichloroethane	88		86		70-130	2		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	102		100		70-130	2		30
1,2-Dichloropropane	94		90		70-130	4		30
Dibromochloromethane	111		106		70-130	5		30
1,1,2-Trichloroethane	104		99		70-130	5		30
Tetrachloroethene	118		112		70-130	5		30
Chlorobenzene	100		95		70-130	5		30
Trichlorofluoromethane	94		89		70-139	5		30
1,2-Dichloroethane	90		86		70-130	5		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	92		90		70-130	2		30
trans-1,3-Dichloropropene	112		105		70-130	6		30
cis-1,3-Dichloropropene	103		98		70-130	5		30
1,1-Dichloropropene	104		100		70-130	4		30
Bromoform	110		104		70-130	6		30
1,1,2,2-Tetrachloroethane	105		99		70-130	6		30
Benzene	99		94		70-130	5		30
Toluene	99		93		70-130	6		30
Ethylbenzene	100		96		70-130	4		30
Chloromethane	81		74		52-130	9		30
Bromomethane	76		74		57-147	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1617233-8 WG1617233-9								
Vinyl chloride	84		78		67-130	7		30
Chloroethane	76		74		50-151	3		30
1,1-Dichloroethene	94		91		65-135	3		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	104		101		70-130	3		30
1,2-Dichlorobenzene	101		98		70-130	3		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	100		94		66-130	6		30
p/m-Xylene	101		98		70-130	3		30
o-Xylene	100		98		70-130	2		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	92		90		70-130	2		30
Styrene	102		100		70-130	2		30
Dichlorodifluoromethane	104		97		30-146	7		30
Acetone	91		92		54-140	1		30
Carbon disulfide	91		88		59-130	3		30
2-Butanone	84		85		70-130	1		30
Vinyl acetate	99		87		70-130	13		30
4-Methyl-2-pentanone	102		98		70-130	4		30
1,2,3-Trichloropropane	102		96		68-130	6		30
2-Hexanone	100		97		70-130	3		30
Bromochloromethane	92		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1617233-8 WG1617233-9								
2,2-Dichloropropane	96		92		70-130	4		30
1,2-Dibromoethane	111		106		70-130	5		30
1,3-Dichloropropane	106		99		69-130	7		30
1,1,1,2-Tetrachloroethane	112		106		70-130	6		30
Bromobenzene	102		98		70-130	4		30
n-Butylbenzene	107		101		70-130	6		30
sec-Butylbenzene	107		103		70-130	4		30
tert-Butylbenzene	106		102		70-130	4		30
o-Chlorotoluene	101		96		70-130	5		30
p-Chlorotoluene	102		97		70-130	5		30
1,2-Dibromo-3-chloropropane	103		102		68-130	1		30
Hexachlorobutadiene	110		104		67-130	6		30
Isopropylbenzene	106		102		70-130	4		30
p-Isopropyltoluene	108		103		70-130	5		30
Naphthalene	106		105		70-130	1		30
Acrylonitrile	90		88		70-130	2		30
n-Propylbenzene	104		100		70-130	4		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	108		103		70-130	5		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	104		98		70-130	6		30
1,4-Dioxane	88		92		65-136	4		30
p-Diethylbenzene	106		100		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1617233-8 WG1617233-9								
p-Ethyltoluene	104		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	107		102		70-130	5		30
Ethyl ether	89		85		67-130	5		30
trans-1,4-Dichloro-2-butene	107		101		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	91		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06 Batch: WG1617237-3 WG1617237-4								
Methylene chloride	80		78		70-130	3		30
1,1-Dichloroethane	88		86		70-130	2		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	102		100		70-130	2		30
1,2-Dichloropropane	94		90		70-130	4		30
Dibromochloromethane	111		106		70-130	5		30
1,1,2-Trichloroethane	104		99		70-130	5		30
Tetrachloroethene	118		112		70-130	5		30
Chlorobenzene	100		95		70-130	5		30
Trichlorofluoromethane	94		89		70-139	5		30
1,2-Dichloroethane	90		86		70-130	5		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	92		90		70-130	2		30
trans-1,3-Dichloropropene	112		105		70-130	6		30
cis-1,3-Dichloropropene	103		98		70-130	5		30
1,1-Dichloropropene	104		100		70-130	4		30
Bromoform	110		104		70-130	6		30
1,1,2,2-Tetrachloroethane	105		99		70-130	6		30
Benzene	99		94		70-130	5		30
Toluene	99		93		70-130	6		30
Ethylbenzene	100		96		70-130	4		30
Chloromethane	81		74		52-130	9		30
Bromomethane	76		74		57-147	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06 Batch: WG1617237-3 WG1617237-4								
Vinyl chloride	84		78		67-130	7		30
Chloroethane	76		74		50-151	3		30
1,1-Dichloroethene	94		91		65-135	3		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	104		101		70-130	3		30
1,2-Dichlorobenzene	101		98		70-130	3		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	100		94		66-130	6		30
p/m-Xylene	101		98		70-130	3		30
o-Xylene	100		98		70-130	2		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	92		90		70-130	2		30
Styrene	102		100		70-130	2		30
Dichlorodifluoromethane	104		97		30-146	7		30
Acetone	91		92		54-140	1		30
Carbon disulfide	91		88		59-130	3		30
2-Butanone	84		85		70-130	1		30
Vinyl acetate	99		87		70-130	13		30
4-Methyl-2-pentanone	102		98		70-130	4		30
1,2,3-Trichloropropane	102		96		68-130	6		30
2-Hexanone	100		97		70-130	3		30
Bromochloromethane	92		91		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06 Batch: WG1617237-3 WG1617237-4								
2,2-Dichloropropane	96		92		70-130	4		30
1,2-Dibromoethane	111		106		70-130	5		30
1,3-Dichloropropane	106		99		69-130	7		30
1,1,1,2-Tetrachloroethane	112		106		70-130	6		30
Bromobenzene	102		98		70-130	4		30
n-Butylbenzene	107		101		70-130	6		30
sec-Butylbenzene	107		103		70-130	4		30
tert-Butylbenzene	106		102		70-130	4		30
o-Chlorotoluene	101		96		70-130	5		30
p-Chlorotoluene	102		97		70-130	5		30
1,2-Dibromo-3-chloropropane	103		102		68-130	1		30
Hexachlorobutadiene	110		104		67-130	6		30
Isopropylbenzene	106		102		70-130	4		30
p-Isopropyltoluene	108		103		70-130	5		30
Naphthalene	106		105		70-130	1		30
Acrylonitrile	90		88		70-130	2		30
n-Propylbenzene	104		100		70-130	4		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	108		103		70-130	5		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	104		98		70-130	6		30
1,4-Dioxane	88		92		65-136	4		30
p-Diethylbenzene	106		100		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06 Batch: WG1617237-3 WG1617237-4								
p-Ethyltoluene	104		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	107		102		70-130	5		30
Ethyl ether	89		85		67-130	5		30
trans-1,4-Dichloro-2-butene	107		101		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	91		94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1617273-3 WG1617273-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	94		100		70-130	6		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	120		130		62-150	8		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		120		67-130	9		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	91		96		70-130	5		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	99		100		70-130	1		20
Toluene	98		100		70-130	2		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	88		90		64-130	2		20
Bromomethane	71		81		39-139	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1617273-3 WG1617273-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	98		110		55-138	12		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	92		94		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	110		120		63-130	9		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	96		110		70-130	14		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	93		110		58-148	17		20
Carbon disulfide	91		94		51-130	3		20
2-Butanone	96		98		63-138	2		20
Vinyl acetate	97		110		70-130	13		20
4-Methyl-2-pentanone	96		100		59-130	4		20
2-Hexanone	96		110		57-130	14		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1617273-3 WG1617273-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	120		130		63-133	8		20
1,2-Dibromoethane	98		110		70-130	12		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	97		100		70-130	3		20
1,2-Dibromo-3-chloropropane	97		100		41-144	3		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	140	Q	130		70-130	7		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	114		126		56-162	10		20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1617273-3 WG1617273-4								
p-Ethyltoluene	100		110		70-130	10		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	94		100		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		112		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	103		105		70-130

SEMIVOLATILES

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-01
 Client ID: SB-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/23/22 17:48
 Analyst: CMM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	390		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	260		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-01

Date Collected: 03/08/22 11:05

Client ID: SB-1

Date Received: 03/08/22

Sample Location: YONKERS, NY (70 FERNBROOK ST)

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	170		ug/kg	120	23.	1
Benzo(a)pyrene	170		ug/kg	160	50.	1
Benzo(b)fluoranthene	190		ug/kg	120	34.	1
Benzo(k)fluoranthene	73	J	ug/kg	120	33.	1
Chrysene	180		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	120		ug/kg	120	40.	1
Benzo(ghi)perylene	110	J	ug/kg	160	24.	1
Fluorene	270		ug/kg	200	20.	1
Phenanthrene	380		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	160	28.	1
Pyrene	400		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	110	J	ug/kg	200	19.	1
2-Methylnaphthalene	250		ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-01
Client ID: SB-1
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	62		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-01 RE
 Client ID: SB-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 12:34
 Analyst: CMM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	340		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	240		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	230		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-01 RE
 Client ID: SB-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	140		ug/kg	120	22.	1
Benzo(a)pyrene	160		ug/kg	160	49.	1
Benzo(b)fluoranthene	190		ug/kg	120	34.	1
Benzo(k)fluoranthene	56	J	ug/kg	120	32.	1
Chrysene	160		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	110	J	ug/kg	120	39.	1
Benzo(ghi)perylene	120	J	ug/kg	160	24.	1
Fluorene	220		ug/kg	200	19.	1
Phenanthrene	330		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	160	28.	1
Pyrene	360		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	100	J	ug/kg	200	19.	1
2-Methylnaphthalene	230	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	34	J	ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	40	J	ug/kg	290	31.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-01 RE
 Client ID: SB-1
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:05
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	36		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	33		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-02
Client ID: SB-2
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/23/22 18:32
Analyst: CMM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	33	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	300		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	120	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-02**Date Collected:** 03/08/22 11:40**Client ID:** SB-2**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	150		ug/kg	120	22.	1
Benzo(a)pyrene	140	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	160		ug/kg	120	33.	1
Benzo(k)fluoranthene	53	J	ug/kg	120	32.	1
Chrysene	140		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	61	J	ug/kg	120	39.	1
Benzo(ghi)perylene	93	J	ug/kg	160	23.	1
Fluorene	39	J	ug/kg	200	19.	1
Phenanthrene	300		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	160	28.	1
Pyrene	270		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	27	J	ug/kg	200	19.	1
2-Methylnaphthalene	130	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	57	J	ug/kg	280	31.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-02
Client ID: SB-2
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	34	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	35		10-136
4-Terphenyl-d14	57		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-02 RE
 Client ID: SB-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 12:58
 Analyst: CMM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	24	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	180		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	180	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-02 RE
 Client ID: SB-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	100	J	ug/kg	120	22.	1
Benzo(a)pyrene	100	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	140		ug/kg	120	33.	1
Benzo(k)fluoranthene	39	J	ug/kg	120	32.	1
Chrysene	110	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	80	J	ug/kg	160	23.	1
Fluorene	35	J	ug/kg	200	19.	1
Phenanthrene	160		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	83	J	ug/kg	160	28.	1
Pyrene	180		ug/kg	120	20.	1
Biphenyl	32	J	ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	33	J	ug/kg	200	19.	1
2-Methylnaphthalene	230	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	86	J	ug/kg	280	31.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-02 **RE**
Client ID: SB-2
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 11:40
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	24	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	45		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-03
 Client ID: SB-6
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/23/22 18:55
 Analyst: CMM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	210		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	300		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-03**Date Collected:** 03/08/22 10:45**Client ID:** SB-6**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	130		ug/kg	120	23.	1
Benzo(a)pyrene	130	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	170		ug/kg	120	34.	1
Benzo(k)fluoranthene	50	J	ug/kg	120	32.	1
Chrysene	130		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	91	J	ug/kg	120	40.	1
Benzo(ghi)perylene	84	J	ug/kg	160	24.	1
Fluorene	460		ug/kg	200	20.	1
Phenanthrene	930		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	160	28.	1
Pyrene	230		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	190	J	ug/kg	200	19.	1
2-Methylnaphthalene	300		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-03**Date Collected:** 03/08/22 10:45**Client ID:** SB-6**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	63		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-03
 Client ID: SB-6
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/21/22 22:09
 Analyst: RS
 Percent Solids: 81%

Extraction Method: ALPHA 23528
 Extraction Date: 03/12/22 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.604	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.604	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.302	0.047	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.604	0.063	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.302	0.054	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.302	0.073	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.302	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.604	0.217	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.604	0.165	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.302	0.091	1
Perfluorooctanesulfonic Acid (PFOS)	0.177	J	ng/g	0.302	0.157	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.302	0.081	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.604	0.346	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.604	0.243	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.604	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.604	0.185	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.604	0.118	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.604	0.102	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.604	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.604	0.247	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.604	0.065	1
PFOA/PFOS, Total	0.177	J	ng/g	0.302	0.051	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-03**Date Collected:** 03/08/22 10:45**Client ID:** SB-6**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		24-159

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-03 RE
 Client ID: SB-6
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 13:21
 Analyst: CMM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	510		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	500		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-03 RE
 Client ID: SB-6
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	200		ug/kg	120	23.	1
Benzo(a)pyrene	160		ug/kg	160	50.	1
Benzo(b)fluoranthene	210		ug/kg	120	34.	1
Benzo(k)fluoranthene	64	J	ug/kg	120	33.	1
Chrysene	180		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	300		ug/kg	120	40.	1
Benzo(ghi)perylene	120	J	ug/kg	160	24.	1
Fluorene	1000		ug/kg	200	20.	1
Phenanthrene	2200		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	160	28.	1
Pyrene	540		ug/kg	120	20.	1
Biphenyl	44	J	ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	440		ug/kg	200	19.	1
2-Methylnaphthalene	660		ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	32	J	ug/kg	290	32.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-03 RE
 Client ID: SB-6
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	52		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-04
Client ID: SB-7
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/23/22 19:17
Analyst: CMM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	25	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	460		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	120	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-04**Date Collected:** 03/08/22 08:55**Client ID:** SB-7**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	280		ug/kg	110	21.	1
Benzo(a)pyrene	290		ug/kg	150	45.	1
Benzo(b)fluoranthene	310		ug/kg	110	31.	1
Benzo(k)fluoranthene	110		ug/kg	110	29.	1
Chrysene	280		ug/kg	110	19.	1
Acenaphthylene	96	J	ug/kg	150	28.	1
Anthracene	110		ug/kg	110	36.	1
Benzo(ghi)perylene	200		ug/kg	150	22.	1
Fluorene	66	J	ug/kg	180	18.	1
Phenanthrene	460		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	210		ug/kg	150	26.	1
Pyrene	450		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	36	J	ug/kg	180	17.	1
2-Methylnaphthalene	94	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	33	J	ug/kg	260	29.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-04
Client ID: SB-7
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	23	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	8	Q	10-136
4-Terphenyl-d14	55		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-04 RE
 Client ID: SB-7
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 13:46
 Analyst: CMM
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	45	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	1600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	190		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-04 RE
 Client ID: SB-7
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	820		ug/kg	110	21.	1
Benzo(a)pyrene	810		ug/kg	150	45.	1
Benzo(b)fluoranthene	880		ug/kg	110	31.	1
Benzo(k)fluoranthene	310		ug/kg	110	30.	1
Chrysene	830		ug/kg	110	19.	1
Acenaphthylene	220		ug/kg	150	28.	1
Anthracene	260		ug/kg	110	36.	1
Benzo(ghi)perylene	510		ug/kg	150	22.	1
Fluorene	85	J	ug/kg	180	18.	1
Phenanthrene	1000		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	120		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	550		ug/kg	150	26.	1
Pyrene	1500		ug/kg	110	18.	1
Biphenyl	44	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	69	J	ug/kg	180	17.	1
2-Methylnaphthalene	190	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	47	J	ug/kg	260	29.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-04 **RE**
Client ID: SB-7
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 08:55
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	45	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	21		10-136
4-Terphenyl-d14	73		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/23/22 19:39
 Analyst: CMM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	230		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	1500		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	2400		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-05**Date Collected:** 03/08/22 12:45**Client ID:** SB-11**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	140		ug/kg	110	21.	1
Benzo(a)pyrene	170		ug/kg	150	46.	1
Benzo(b)fluoranthene	260		ug/kg	110	32.	1
Benzo(k)fluoranthene	71	J	ug/kg	110	30.	1
Chrysene	200		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	94	J	ug/kg	110	37.	1
Benzo(ghi)perylene	180		ug/kg	150	22.	1
Fluorene	350		ug/kg	190	18.	1
Phenanthrene	600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	38	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	150	26.	1
Pyrene	370		ug/kg	110	19.	1
Biphenyl	270	J	ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	89	J	ug/kg	190	18.	1
2-Methylnaphthalene	2300		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	46	J	ug/kg	270	30.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-05
Client ID: SB-11
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	45	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	40		10-136
4-Terphenyl-d14	48		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05 RE\D
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 14:10
 Analyst: CMM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	760	98.	5
1,2,4-Trichlorobenzene	ND		ug/kg	950	110	5
Hexachlorobenzene	ND		ug/kg	570	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	860	130	5
2-Chloronaphthalene	ND		ug/kg	950	94.	5
1,2-Dichlorobenzene	ND		ug/kg	950	170	5
1,3-Dichlorobenzene	ND		ug/kg	950	160	5
1,4-Dichlorobenzene	ND		ug/kg	950	170	5
3,3'-Dichlorobenzidine	ND		ug/kg	950	250	5
2,4-Dinitrotoluene	ND		ug/kg	950	190	5
2,6-Dinitrotoluene	ND		ug/kg	950	160	5
Fluoranthene	260	J	ug/kg	570	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	950	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	950	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	95.	5
Hexachlorobutadiene	ND		ug/kg	950	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	860	5
Hexachloroethane	ND		ug/kg	760	150	5
Isophorone	ND		ug/kg	860	120	5
Naphthalene	810	J	ug/kg	950	120	5
Nitrobenzene	ND		ug/kg	860	140	5
NDPA/DPA	ND		ug/kg	760	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	950	150	5
Bis(2-ethylhexyl)phthalate	1900		ug/kg	950	330	5
Butyl benzyl phthalate	ND		ug/kg	950	240	5
Di-n-butylphthalate	ND		ug/kg	950	180	5
Di-n-octylphthalate	ND		ug/kg	950	320	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05 RE\D
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	950	88.	5
Dimethyl phthalate	ND		ug/kg	950	200	5
Benzo(a)anthracene	180	J	ug/kg	570	110	5
Benzo(a)pyrene	ND		ug/kg	760	230	5
Benzo(b)fluoranthene	280	J	ug/kg	570	160	5
Benzo(k)fluoranthene	ND		ug/kg	570	150	5
Chrysene	240	J	ug/kg	570	99.	5
Acenaphthylene	ND		ug/kg	760	150	5
Anthracene	ND		ug/kg	570	180	5
Benzo(ghi)perylene	230	J	ug/kg	760	110	5
Fluorene	320	J	ug/kg	950	92.	5
Phenanthrene	550	J	ug/kg	570	120	5
Dibenzo(a,h)anthracene	ND		ug/kg	570	110	5
Indeno(1,2,3-cd)pyrene	200	J	ug/kg	760	130	5
Pyrene	400	J	ug/kg	570	94.	5
Biphenyl	230	J	ug/kg	2200	120	5
4-Chloroaniline	ND		ug/kg	950	170	5
2-Nitroaniline	ND		ug/kg	950	180	5
3-Nitroaniline	ND		ug/kg	950	180	5
4-Nitroaniline	ND		ug/kg	950	390	5
Dibenzofuran	ND		ug/kg	950	90.	5
2-Methylnaphthalene	1400		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	950	99.	5
Acetophenone	ND		ug/kg	950	120	5
2,4,6-Trichlorophenol	ND		ug/kg	570	180	5
p-Chloro-m-cresol	ND		ug/kg	950	140	5
2-Chlorophenol	ND		ug/kg	950	110	5
2,4-Dichlorophenol	ND		ug/kg	860	150	5
2,4-Dimethylphenol	ND		ug/kg	950	310	5
2-Nitrophenol	ND		ug/kg	2000	360	5
4-Nitrophenol	ND		ug/kg	1300	390	5
2,4-Dinitrophenol	ND		ug/kg	4600	440	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	460	5
Pentachlorophenol	ND		ug/kg	760	210	5
Phenol	ND		ug/kg	950	140	5
2-Methylphenol	ND		ug/kg	950	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-05 RE\D
 Client ID: SB-11
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	950	180	5
Benzoic Acid	ND		ug/kg	3100	960	5
Benzyl Alcohol	ND		ug/kg	950	290	5
Carbazole	ND		ug/kg	950	92.	5
1,4-Dioxane	ND		ug/kg	140	44.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	49		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-06
 Client ID: SB-13
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/23/22 20:01
 Analyst: CMM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	79	J	ug/kg	480	62.	1
1,2,4-Trichlorobenzene	ND		ug/kg	600	69.	1
Hexachlorobenzene	ND		ug/kg	360	68.	1
Bis(2-chloroethyl)ether	ND		ug/kg	540	82.	1
2-Chloronaphthalene	ND		ug/kg	600	60.	1
1,2-Dichlorobenzene	ND		ug/kg	600	110	1
1,3-Dichlorobenzene	ND		ug/kg	600	100	1
1,4-Dichlorobenzene	ND		ug/kg	600	100	1
3,3'-Dichlorobenzidine	ND		ug/kg	600	160	1
2,4-Dinitrotoluene	ND		ug/kg	600	120	1
2,6-Dinitrotoluene	ND		ug/kg	600	100	1
Fluoranthene	550		ug/kg	360	69.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	600	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	600	92.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	720	100	1
Bis(2-chloroethoxy)methane	ND		ug/kg	650	60.	1
Hexachlorobutadiene	ND		ug/kg	600	88.	1
Hexachlorocyclopentadiene	ND		ug/kg	1700	550	1
Hexachloroethane	ND		ug/kg	480	98.	1
Isophorone	ND		ug/kg	540	78.	1
Naphthalene	180	J	ug/kg	600	74.	1
Nitrobenzene	ND		ug/kg	540	89.	1
NDPA/DPA	ND		ug/kg	480	69.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	600	93.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	600	210	1
Butyl benzyl phthalate	ND		ug/kg	600	150	1
Di-n-butylphthalate	ND		ug/kg	600	110	1
Di-n-octylphthalate	ND		ug/kg	600	200	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-06**Date Collected:** 03/08/22 10:20**Client ID:** SB-13**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	600	56.	1
Dimethyl phthalate	ND		ug/kg	600	130	1
Benzo(a)anthracene	350	J	ug/kg	360	68.	1
Benzo(a)pyrene	370	J	ug/kg	480	150	1
Benzo(b)fluoranthene	420		ug/kg	360	100	1
Benzo(k)fluoranthene	140	J	ug/kg	360	97.	1
Chrysene	350	J	ug/kg	360	63.	1
Acenaphthylene	ND		ug/kg	480	93.	1
Anthracene	ND		ug/kg	360	120	1
Benzo(ghi)perylene	240	J	ug/kg	480	71.	1
Fluorene	67	J	ug/kg	600	59.	1
Phenanthrene	640		ug/kg	360	73.	1
Dibenzo(a,h)anthracene	ND		ug/kg	360	70.	1
Indeno(1,2,3-cd)pyrene	240	J	ug/kg	480	84.	1
Pyrene	540		ug/kg	360	60.	1
Biphenyl	120	J	ug/kg	1400	78.	1
4-Chloroaniline	ND		ug/kg	600	110	1
2-Nitroaniline	ND		ug/kg	600	120	1
3-Nitroaniline	ND		ug/kg	600	110	1
4-Nitroaniline	ND		ug/kg	600	250	1
Dibenzofuran	110	J	ug/kg	600	57.	1
2-Methylnaphthalene	1800		ug/kg	720	73.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	600	63.	1
Acetophenone	ND		ug/kg	600	75.	1
2,4,6-Trichlorophenol	ND		ug/kg	360	110	1
p-Chloro-m-cresol	ND		ug/kg	600	90.	1
2-Chlorophenol	ND		ug/kg	600	71.	1
2,4-Dichlorophenol	ND		ug/kg	540	97.	1
2,4-Dimethylphenol	ND		ug/kg	600	200	1
2-Nitrophenol	ND		ug/kg	1300	230	1
4-Nitrophenol	ND		ug/kg	840	250	1
2,4-Dinitrophenol	ND		ug/kg	2900	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	290	1
Pentachlorophenol	ND		ug/kg	480	130	1
Phenol	ND		ug/kg	600	91.	1
2-Methylphenol	ND		ug/kg	600	94.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	870	94.	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-06
Client ID: SB-13
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	600	120	1
Benzoic Acid	ND		ug/kg	2000	610	1
Benzyl Alcohol	ND		ug/kg	600	180	1
Carbazole	ND		ug/kg	600	59.	1
1,4-Dioxane	ND		ug/kg	91	28.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	34		10-136
4-Terphenyl-d14	65		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-06 RE\D
 Client ID: SB-13
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 14:34
 Analyst: CMM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	820	110	5
1,2,4-Trichlorobenzene	ND		ug/kg	1000	120	5
Hexachlorobenzene	ND		ug/kg	610	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	920	140	5
2-Chloronaphthalene	ND		ug/kg	1000	100	5
1,2-Dichlorobenzene	ND		ug/kg	1000	180	5
1,3-Dichlorobenzene	ND		ug/kg	1000	180	5
1,4-Dichlorobenzene	ND		ug/kg	1000	180	5
3,3'-Dichlorobenzidine	ND		ug/kg	1000	270	5
2,4-Dinitrotoluene	ND		ug/kg	1000	200	5
2,6-Dinitrotoluene	ND		ug/kg	1000	180	5
Fluoranthene	570	J	ug/kg	610	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1000	110	5
4-Bromophenyl phenyl ether	ND		ug/kg	1000	160	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	180	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1100	100	5
Hexachlorobutadiene	ND		ug/kg	1000	150	5
Hexachlorocyclopentadiene	ND		ug/kg	2900	930	5
Hexachloroethane	ND		ug/kg	820	160	5
Isophorone	ND		ug/kg	920	130	5
Naphthalene	260	J	ug/kg	1000	120	5
Nitrobenzene	ND		ug/kg	920	150	5
NDPA/DPA	ND		ug/kg	820	120	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1000	160	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1000	350	5
Butyl benzyl phthalate	ND		ug/kg	1000	260	5
Di-n-butylphthalate	ND		ug/kg	1000	190	5
Di-n-octylphthalate	ND		ug/kg	1000	350	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-06 RE\D
 Client ID: SB-13
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1000	95.	5
Dimethyl phthalate	ND		ug/kg	1000	220	5
Benzo(a)anthracene	350	J	ug/kg	610	120	5
Benzo(a)pyrene	330	J	ug/kg	820	250	5
Benzo(b)fluoranthene	410	J	ug/kg	610	170	5
Benzo(k)fluoranthene	ND		ug/kg	610	160	5
Chrysene	340	J	ug/kg	610	110	5
Acenaphthylene	ND		ug/kg	820	160	5
Anthracene	ND		ug/kg	610	200	5
Benzo(ghi)perylene	300	J	ug/kg	820	120	5
Fluorene	ND		ug/kg	1000	100	5
Phenanthrene	750		ug/kg	610	120	5
Dibenzo(a,h)anthracene	ND		ug/kg	610	120	5
Indeno(1,2,3-cd)pyrene	270	J	ug/kg	820	140	5
Pyrene	560	J	ug/kg	610	100	5
Biphenyl	190	J	ug/kg	2300	130	5
4-Chloroaniline	ND		ug/kg	1000	190	5
2-Nitroaniline	ND		ug/kg	1000	200	5
3-Nitroaniline	ND		ug/kg	1000	190	5
4-Nitroaniline	ND		ug/kg	1000	420	5
Dibenzofuran	160	J	ug/kg	1000	97.	5
2-Methylnaphthalene	2400		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1000	110	5
Acetophenone	ND		ug/kg	1000	130	5
2,4,6-Trichlorophenol	ND		ug/kg	610	190	5
p-Chloro-m-cresol	ND		ug/kg	1000	150	5
2-Chlorophenol	ND		ug/kg	1000	120	5
2,4-Dichlorophenol	ND		ug/kg	920	160	5
2,4-Dimethylphenol	ND		ug/kg	1000	340	5
2-Nitrophenol	ND		ug/kg	2200	380	5
4-Nitrophenol	ND		ug/kg	1400	420	5
2,4-Dinitrophenol	ND		ug/kg	4900	480	5
4,6-Dinitro-o-cresol	ND		ug/kg	2700	490	5
Pentachlorophenol	ND		ug/kg	820	220	5
Phenol	ND		ug/kg	1000	150	5
2-Methylphenol	ND		ug/kg	1000	160	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1500	160	5

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-06 **RE\ID**
Client ID: SB-13
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:20
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1000	200	5
Benzoic Acid	ND		ug/kg	3300	1000	5
Benzyl Alcohol	ND		ug/kg	1000	310	5
Carbazole	ND		ug/kg	1000	100	5
1,4-Dioxane	ND		ug/kg	150	47.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	25		10-136
4-Terphenyl-d14	58		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07 RE\D
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/27/22 14:59
 Analyst: CMM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1400		ug/kg	750	97.	5
1,2,4-Trichlorobenzene	ND		ug/kg	940	110	5
Hexachlorobenzene	ND		ug/kg	560	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	840	130	5
2-Chloronaphthalene	ND		ug/kg	940	93.	5
1,2-Dichlorobenzene	ND		ug/kg	940	170	5
1,3-Dichlorobenzene	ND		ug/kg	940	160	5
1,4-Dichlorobenzene	ND		ug/kg	940	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	940	250	5
2,4-Dinitrotoluene	ND		ug/kg	940	190	5
2,6-Dinitrotoluene	ND		ug/kg	940	160	5
Fluoranthene	18000		ug/kg	560	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	940	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	940	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	94.	5
Hexachlorobutadiene	ND		ug/kg	940	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	850	5
Hexachloroethane	ND		ug/kg	750	150	5
Isophorone	ND		ug/kg	840	120	5
Naphthalene	470	J	ug/kg	940	110	5
Nitrobenzene	ND		ug/kg	840	140	5
NDPA/DPA	ND		ug/kg	750	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	940	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	940	320	5
Butyl benzyl phthalate	ND		ug/kg	940	240	5
Di-n-butylphthalate	ND		ug/kg	940	180	5
Di-n-octylphthalate	ND		ug/kg	940	320	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07 RE\D
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	940	87.	5
Dimethyl phthalate	ND		ug/kg	940	200	5
Benzo(a)anthracene	9800		ug/kg	560	100	5
Benzo(a)pyrene	7600		ug/kg	750	230	5
Benzo(b)fluoranthene	9000		ug/kg	560	160	5
Benzo(k)fluoranthene	2400		ug/kg	560	150	5
Chrysene	8300		ug/kg	560	98.	5
Acenaphthylene	1900		ug/kg	750	140	5
Anthracene	5300		ug/kg	560	180	5
Benzo(ghi)perylene	3700		ug/kg	750	110	5
Fluorene	2000		ug/kg	940	91.	5
Phenanthrene	19000		ug/kg	560	110	5
Dibenzo(a,h)anthracene	1000		ug/kg	560	110	5
Indeno(1,2,3-cd)pyrene	4600		ug/kg	750	130	5
Pyrene	15000		ug/kg	560	93.	5
Biphenyl	170	J	ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	940	170	5
2-Nitroaniline	ND		ug/kg	940	180	5
3-Nitroaniline	ND		ug/kg	940	180	5
4-Nitroaniline	ND		ug/kg	940	390	5
Dibenzofuran	1400		ug/kg	940	89.	5
2-Methylnaphthalene	360	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	940	98.	5
Acetophenone	ND		ug/kg	940	120	5
2,4,6-Trichlorophenol	ND		ug/kg	560	180	5
p-Chloro-m-cresol	ND		ug/kg	940	140	5
2-Chlorophenol	ND		ug/kg	940	110	5
2,4-Dichlorophenol	ND		ug/kg	840	150	5
2,4-Dimethylphenol	ND		ug/kg	940	310	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4500	440	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	450	5
Pentachlorophenol	ND		ug/kg	750	210	5
Phenol	ND		ug/kg	940	140	5
2-Methylphenol	ND		ug/kg	940	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07 RE\D
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	940	180	5
Benzoic Acid	ND		ug/kg	3000	950	5
Benzyl Alcohol	ND		ug/kg	940	290	5
Carbazole	640	J	ug/kg	940	91.	5
1,4-Dioxane	ND		ug/kg	140	43.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	57		18-120

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07 D
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/28/22 15:08
 Analyst: WR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/20/22 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3000		ug/kg	750	98.	5
1,2,4-Trichlorobenzene	ND		ug/kg	940	110	5
Hexachlorobenzene	ND		ug/kg	560	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	850	130	5
2-Chloronaphthalene	ND		ug/kg	940	93.	5
1,2-Dichlorobenzene	ND		ug/kg	940	170	5
1,3-Dichlorobenzene	ND		ug/kg	940	160	5
1,4-Dichlorobenzene	ND		ug/kg	940	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	940	250	5
2,4-Dinitrotoluene	ND		ug/kg	940	190	5
2,6-Dinitrotoluene	ND		ug/kg	940	160	5
Fluoranthene	20000		ug/kg	560	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	940	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	940	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	94.	5
Hexachlorobutadiene	ND		ug/kg	940	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	850	5
Hexachloroethane	ND		ug/kg	750	150	5
Isophorone	ND		ug/kg	850	120	5
Naphthalene	1700		ug/kg	940	110	5
Nitrobenzene	ND		ug/kg	850	140	5
NDPA/DPA	ND		ug/kg	750	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	940	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	940	320	5
Butyl benzyl phthalate	ND		ug/kg	940	240	5
Di-n-butylphthalate	ND		ug/kg	940	180	5
Di-n-octylphthalate	ND		ug/kg	940	320	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07 D
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	940	87.	5
Dimethyl phthalate	ND		ug/kg	940	200	5
Benzo(a)anthracene	9000		ug/kg	560	110	5
Benzo(a)pyrene	7000		ug/kg	750	230	5
Benzo(b)fluoranthene	7600		ug/kg	560	160	5
Benzo(k)fluoranthene	3100		ug/kg	560	150	5
Chrysene	7900		ug/kg	560	98.	5
Acenaphthylene	2300		ug/kg	750	140	5
Anthracene	7400		ug/kg	560	180	5
Benzo(ghi)perylene	3400		ug/kg	750	110	5
Fluorene	4200		ug/kg	940	92.	5
Phenanthrene	28000		ug/kg	560	110	5
Dibenzo(a,h)anthracene	930		ug/kg	560	110	5
Indeno(1,2,3-cd)pyrene	4100		ug/kg	750	130	5
Pyrene	17000		ug/kg	560	94.	5
Biphenyl	550	J	ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	940	170	5
2-Nitroaniline	ND		ug/kg	940	180	5
3-Nitroaniline	ND		ug/kg	940	180	5
4-Nitroaniline	ND		ug/kg	940	390	5
Dibenzofuran	3500		ug/kg	940	89.	5
2-Methylnaphthalene	1500		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	940	98.	5
Acetophenone	ND		ug/kg	940	120	5
2,4,6-Trichlorophenol	ND		ug/kg	560	180	5
p-Chloro-m-cresol	ND		ug/kg	940	140	5
2-Chlorophenol	ND		ug/kg	940	110	5
2,4-Dichlorophenol	ND		ug/kg	850	150	5
2,4-Dimethylphenol	ND		ug/kg	940	310	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4500	440	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	450	5
Pentachlorophenol	ND		ug/kg	750	210	5
Phenol	ND		ug/kg	940	140	5
2-Methylphenol	ND		ug/kg	940	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-07 D
 Client ID: SB-14
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 12:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	940	180	5
Benzoic Acid	ND		ug/kg	3000	950	5
Benzyl Alcohol	ND		ug/kg	940	290	5
Carbazole	1800		ug/kg	940	92.	5
1,4-Dioxane	ND		ug/kg	140	43.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	50		10-136
4-Terphenyl-d14	47		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-08
Client ID: TW-1
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 09:30
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/16/22 08:25
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/14/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-08
Client ID: TW-1
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 09:30
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	71		41-149

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-08
Client ID: TW-1
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 09:30
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/15/22 10:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/14/22 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.38		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	5.5		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.32		ug/l	0.10	0.05	1
Benzo(a)anthracene	1.6		ug/l	0.10	0.02	1
Benzo(a)pyrene	1.1		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	1.4		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.46		ug/l	0.10	0.01	1
Chrysene	0.93		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.64		ug/l	0.10	0.01	1
Fluorene	0.42		ug/l	0.10	0.01	1
Phenanthrene	0.77		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.13		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.66		ug/l	0.10	0.01	1
Pyrene	5.6		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.42		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-08

Date Collected: 03/08/22 09:30

Client ID: TW-1

Date Received: 03/08/22

Sample Location: YONKERS, NY (70 FERNBROOK ST)

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	72		41-149

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-09
 Client ID: TW-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 03/16/22 08:48
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 03/14/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	14.		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	6.8		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	4.0		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-09
Client ID: TW-2
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	10.		ug/l	5.0	0.57	1
2-Methylphenol	2.7	J	ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	36.		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	2300	E	ug/l	50	2.6	1
Benzyl Alcohol	620	E	ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	92		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	94		41-149

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

SAMPLE RESULTS

Lab ID: L2212074-09 **D**
Client ID: TW-2
Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/26/22 14:46
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/14/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Benzoic Acid	2400		ug/l	1000	53.	20
Benzyl Alcohol	680		ug/l	40	12.	20

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-09 D
 Client ID: TW-2
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 13:10
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/29/22 15:56
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/14/22 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	1.0	0.14	10
2-Chloronaphthalene	ND		ug/l	2.0	0.18	10
Fluoranthene	0.78	J	ug/l	1.0	0.20	10
Hexachlorobutadiene	ND		ug/l	5.0	0.47	10
Naphthalene	55		ug/l	1.0	0.49	10
Benzo(a)anthracene	0.54	J	ug/l	1.0	0.20	10
Benzo(a)pyrene	0.38	J	ug/l	1.0	0.15	10
Benzo(b)fluoranthene	0.60	J	ug/l	1.0	0.12	10
Benzo(k)fluoranthene	0.18	J	ug/l	1.0	0.09	10
Chrysene	0.47	J	ug/l	1.0	0.12	10
Acenaphthylene	0.59	J	ug/l	1.0	0.12	10
Anthracene	ND		ug/l	1.0	0.14	10
Benzo(ghi)perylene	0.65	J	ug/l	1.0	0.14	10
Fluorene	2.2		ug/l	1.0	0.14	10
Phenanthrene	3.6		ug/l	1.0	0.23	10
Dibenzo(a,h)anthracene	ND		ug/l	1.0	0.13	10
Indeno(1,2,3-cd)pyrene	0.49	J	ug/l	1.0	0.12	10
Pyrene	1.2		ug/l	1.0	0.19	10
2-Methylnaphthalene	31		ug/l	1.0	0.22	10
Pentachlorophenol	ND		ug/l	8.0	0.14	10
Hexachlorobenzene	ND		ug/l	8.0	0.09	10
Hexachloroethane	ND		ug/l	8.0	0.63	10

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-09 D

Date Collected: 03/08/22 13:10

Client ID: TW-2

Date Received: 03/08/22

Sample Location: YONKERS, NY (70 FERNBROOK ST)

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		21-120
Phenol-d6	112		10-120
Nitrobenzene-d5	124	Q	23-120
2-Fluorobiphenyl	113		15-120
2,4,6-Tribromophenol	129	Q	10-120
4-Terphenyl-d14	123		41-149

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS**

Lab ID: L2212074-10
 Client ID: FIELD BLANK
 Sample Location: YONKERS, NY (70 FERNBROOK ST)

Date Collected: 03/08/22 10:45
 Date Received: 03/08/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/17/22 16:29
 Analyst: MP

Extraction Method: ALPHA 23528
 Extraction Date: 03/16/22 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.633	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.901	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.217	1

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-10**Date Collected:** 03/08/22 10:45**Client ID:** FIELD BLANK**Date Received:** 03/08/22**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	114		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	53		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/21/22 15:48
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/12/22 11:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1614901-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/21/22 15:48
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/12/22 11:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1614901-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		24-159

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/22/22 14:52
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/12/22 11:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1614901-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	102		10-117

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/22 23:41
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/13/22 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1615107-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/22 23:41
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/13/22 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1615107-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/22 23:41
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/13/22 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1615107-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	81		41-149

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/14/22 15:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/13/22 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG1615109-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.03	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 03/14/22 15:57
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/13/22 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG1615109-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	78		41-149

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/17/22 15:39
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 03/16/22 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 10 Batch: WG1616146-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/17/22 15:39
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 03/16/22 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 10 Batch: WG1616146-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		22-136

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/22 00:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/20/22 17:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1617733-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/22 00:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/20/22 17:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1617733-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/22 00:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/20/22 17:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1617733-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	63		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/27/22 10:09
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1620112-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/27/22 10:09
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1620112-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/27/22 10:09
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/26/22 12:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1620112-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	83		18-120

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/29/22 10:27
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/13/22 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1620722-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01
Chrysene	0.03	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01
Pyrene	0.02	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/29/22 10:27
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/13/22 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1620722-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	102		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1614901-2								
Perfluorobutanoic Acid (PFBA)	86		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	85		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	87		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	86		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	88		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	97		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	83		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	97		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	93		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	86		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	91		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	86		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	85		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	86		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	99		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	82		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	91		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	87		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1614901-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				24-159

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1614901-2								
Perfluorooctanesulfonamide (FOSA)	105		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	98				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1615107-2 WG1615107-3								
Acenaphthene	73		61		37-111	18		30
1,2,4-Trichlorobenzene	72		56		39-98	25		30
Hexachlorobenzene	82		66		40-140	22		30
Bis(2-chloroethyl)ether	72		59		40-140	20		30
2-Chloronaphthalene	66		60		40-140	10		30
1,2-Dichlorobenzene	67		53		40-140	23		30
1,3-Dichlorobenzene	62		50		40-140	21		30
1,4-Dichlorobenzene	65		55		36-97	17		30
3,3'-Dichlorobenzidine	61		52		40-140	16		30
2,4-Dinitrotoluene	72		57		48-143	23		30
2,6-Dinitrotoluene	73		57		40-140	25		30
Fluoranthene	74		65		40-140	13		30
4-Chlorophenyl phenyl ether	72		59		40-140	20		30
4-Bromophenyl phenyl ether	76		60		40-140	24		30
Bis(2-chloroisopropyl)ether	70		58		40-140	19		30
Bis(2-chloroethoxy)methane	74		62		40-140	18		30
Hexachlorobutadiene	66		60		40-140	10		30
Hexachlorocyclopentadiene	41		35	Q	40-140	16		30
Hexachloroethane	77		57		40-140	30		30
Isophorone	78		61		40-140	24		30
Naphthalene	70		60		40-140	15		30
Nitrobenzene	79		63		40-140	23		30
NDPA/DPA	74		61		40-140	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1615107-2 WG1615107-3								
n-Nitrosodi-n-propylamine	81		62		29-132	27		30
Bis(2-ethylhexyl)phthalate	85		77		40-140	10		30
Butyl benzyl phthalate	87		77		40-140	12		30
Di-n-butylphthalate	82		72		40-140	13		30
Di-n-octylphthalate	87		82		40-140	6		30
Diethyl phthalate	80		65		40-140	21		30
Dimethyl phthalate	65		59		40-140	10		30
Benzo(a)anthracene	73		66		40-140	10		30
Benzo(a)pyrene	72		59		40-140	20		30
Benzo(b)fluoranthene	75		68		40-140	10		30
Benzo(k)fluoranthene	80		61		40-140	27		30
Chrysene	74		62		40-140	18		30
Acenaphthylene	68		59		45-123	14		30
Anthracene	72		66		40-140	9		30
Benzo(ghi)perylene	77		68		40-140	12		30
Fluorene	74		62		40-140	18		30
Phenanthrene	72		64		40-140	12		30
Dibenzo(a,h)anthracene	76		67		40-140	13		30
Indeno(1,2,3-cd)pyrene	81		70		40-140	15		30
Pyrene	75		65		26-127	14		30
Biphenyl	74		64		40-140	14		30
4-Chloroaniline	52		69		40-140	28		30
2-Nitroaniline	72		62		52-143	15		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1615107-2 WG1615107-3								
3-Nitroaniline	68		53		25-145	25		30
4-Nitroaniline	68		59		51-143	14		30
Dibenzofuran	75		61		40-140	21		30
2-Methylnaphthalene	67		60		40-140	11		30
1,2,4,5-Tetrachlorobenzene	77		67		2-134	14		30
Acetophenone	75		62		39-129	19		30
2,4,6-Trichlorophenol	78		63		30-130	21		30
p-Chloro-m-cresol	83		73		23-97	13		30
2-Chlorophenol	75		64		27-123	16		30
2,4-Dichlorophenol	77		65		30-130	17		30
2,4-Dimethylphenol	61		54		30-130	12		30
2-Nitrophenol	75		57		30-130	27		30
4-Nitrophenol	68		63		10-80	8		30
2,4-Dinitrophenol	58		36		20-130	47	Q	30
4,6-Dinitro-o-cresol	51		40		20-164	24		30
Pentachlorophenol	82		52		9-103	45	Q	30
Phenol	59		45		12-110	27		30
2-Methylphenol	74		62		30-130	18		30
3-Methylphenol/4-Methylphenol	78		66		30-130	17		30
2,4,5-Trichlorophenol	76		65		30-130	16		30
Benzoic Acid	30		6	Q	10-164	134	Q	30
Benzyl Alcohol	78		62		26-116	23		30
Carbazole	80		70		55-144	13		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1615107-2 WG1615107-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		63		21-120
Phenol-d6	59		47		10-120
Nitrobenzene-d5	84		69		23-120
2-Fluorobiphenyl	74		62		15-120
2,4,6-Tribromophenol	100		84		10-120
4-Terphenyl-d14	81		74		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG1615109-2 WG1615109-3								
Acenaphthene	71		89		40-140	23		40
2-Chloronaphthalene	72		91		40-140	23		40
Fluoranthene	73		95		40-140	26		40
Hexachlorobutadiene	62		75		40-140	19		40
Naphthalene	68		84		40-140	21		40
Benzo(a)anthracene	71		92		40-140	26		40
Benzo(a)pyrene	65		84		40-140	26		40
Benzo(b)fluoranthene	68		90		40-140	28		40
Benzo(k)fluoranthene	75		94		40-140	22		40
Chrysene	72		90		40-140	22		40
Acenaphthylene	72		91		40-140	23		40
Anthracene	75		94		40-140	22		40
Benzo(ghi)perylene	78		98		40-140	23		40
Fluorene	88		97		40-140	10		40
Phenanthrene	75		90		40-140	18		40
Dibenzo(a,h)anthracene	82		106		40-140	26		40
Indeno(1,2,3-cd)pyrene	73		93		40-140	24		40
Pyrene	73		94		40-140	25		40
2-Methylnaphthalene	70		89		40-140	24		40
Pentachlorophenol	110		136		40-140	21		40
Hexachlorobenzene	69		86		40-140	22		40
Hexachloroethane	57		70		40-140	20		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG1615109-2 WG1615109-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		74		21-120
Phenol-d6	51		63		10-120
Nitrobenzene-d5	81		101		23-120
2-Fluorobiphenyl	81		102		15-120
2,4,6-Tribromophenol	82		107		10-120
4-Terphenyl-d14	83		107		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 Batch: WG1616146-2								
Perfluorobutanoic Acid (PFBA)	92		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	90		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	106		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	92		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	92		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	93		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	119		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	89		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	91		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	89		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	96		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	110		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	95		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 Batch: WG1616146-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	101				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	106				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97				22-136

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617733-2 WG1617733-3								
Acenaphthene	80		74		31-137	8		50
1,2,4-Trichlorobenzene	76		72		38-107	5		50
Hexachlorobenzene	84		79		40-140	6		50
Bis(2-chloroethyl)ether	70		68		40-140	3		50
2-Chloronaphthalene	80		77		40-140	4		50
1,2-Dichlorobenzene	74		72		40-140	3		50
1,3-Dichlorobenzene	72		68		40-140	6		50
1,4-Dichlorobenzene	71		70		28-104	1		50
3,3'-Dichlorobenzidine	7	Q	18	Q	40-140	83	Q	50
2,4-Dinitrotoluene	86		81		40-132	6		50
2,6-Dinitrotoluene	88		84		40-140	5		50
Fluoranthene	84		81		40-140	4		50
4-Chlorophenyl phenyl ether	82		76		40-140	8		50
4-Bromophenyl phenyl ether	87		81		40-140	7		50
Bis(2-chloroisopropyl)ether	50		48		40-140	4		50
Bis(2-chloroethoxy)methane	74		71		40-117	4		50
Hexachlorobutadiene	84		81		40-140	4		50
Hexachlorocyclopentadiene	84		78		40-140	7		50
Hexachloroethane	76		70		40-140	8		50
Isophorone	74		71		40-140	4		50
Naphthalene	79		74		40-140	7		50
Nitrobenzene	76		74		40-140	3		50
NDPA/DPA	71		67		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617733-2 WG1617733-3								
n-Nitrosodi-n-propylamine	74		72		32-121	3		50
Bis(2-ethylhexyl)phthalate	92		83		40-140	10		50
Butyl benzyl phthalate	88		82		40-140	7		50
Di-n-butylphthalate	88		80		40-140	10		50
Di-n-octylphthalate	91		86		40-140	6		50
Diethyl phthalate	86		82		40-140	5		50
Dimethyl phthalate	82		78		40-140	5		50
Benzo(a)anthracene	82		76		40-140	8		50
Benzo(a)pyrene	87		83		40-140	5		50
Benzo(b)fluoranthene	85		76		40-140	11		50
Benzo(k)fluoranthene	79		81		40-140	3		50
Chrysene	84		79		40-140	6		50
Acenaphthylene	88		83		40-140	6		50
Anthracene	81		75		40-140	8		50
Benzo(ghi)perylene	88		81		40-140	8		50
Fluorene	84		79		40-140	6		50
Phenanthrene	80		76		40-140	5		50
Dibenzo(a,h)anthracene	88		82		40-140	7		50
Indeno(1,2,3-cd)pyrene	88		83		40-140	6		50
Pyrene	84		79		35-142	6		50
Biphenyl	79		75		37-127	5		50
4-Chloroaniline	70		91		40-140	26		50
2-Nitroaniline	86		83		47-134	4		50

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617733-2 WG1617733-3								
3-Nitroaniline	28		32		26-129	13		50
4-Nitroaniline	63		66		41-125	5		50
Dibenzofuran	83		79		40-140	5		50
2-Methylnaphthalene	82		76		40-140	8		50
1,2,4,5-Tetrachlorobenzene	86		82		40-117	5		50
Acetophenone	74		72		14-144	3		50
2,4,6-Trichlorophenol	93		88		30-130	6		50
p-Chloro-m-cresol	90		84		26-103	7		50
2-Chlorophenol	76		73		25-102	4		50
2,4-Dichlorophenol	85		80		30-130	6		50
2,4-Dimethylphenol	82		78		30-130	5		50
2-Nitrophenol	75		73		30-130	3		50
4-Nitrophenol	98		95		11-114	3		50
2,4-Dinitrophenol	74		72		4-130	3		50
4,6-Dinitro-o-cresol	87		83		10-130	5		50
Pentachlorophenol	87		81		17-109	7		50
Phenol	79		77		26-90	3		50
2-Methylphenol	78		75		30-130.	4		50
3-Methylphenol/4-Methylphenol	81		79		30-130	3		50
2,4,5-Trichlorophenol	93		89		30-130	4		50
Benzoic Acid	44		34		10-110	26		50
Benzyl Alcohol	77		74		40-140	4		50
Carbazole	73		64		54-128	13		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1617733-2 WG1617733-3								
1,4-Dioxane	50		50		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		77		25-120
Phenol-d6	80		81		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	84		81		30-120
2,4,6-Tribromophenol	91		88		10-136
4-Terphenyl-d14	81		78		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1620112-2 WG1620112-3								
Acenaphthene	60		84		31-137	33		50
1,2,4-Trichlorobenzene	64		93		38-107	37		50
Hexachlorobenzene	66		94		40-140	35		50
Bis(2-chloroethyl)ether	66		94		40-140	35		50
2-Chloronaphthalene	65		91		40-140	33		50
1,2-Dichlorobenzene	64		92		40-140	36		50
1,3-Dichlorobenzene	63		90		40-140	35		50
1,4-Dichlorobenzene	63		91		28-104	36		50
3,3'-Dichlorobenzidine	55		80		40-140	37		50
2,4-Dinitrotoluene	66		90		40-132	31		50
2,6-Dinitrotoluene	67		94		40-140	34		50
Fluoranthene	61		88		40-140	36		50
4-Chlorophenyl phenyl ether	63		89		40-140	34		50
4-Bromophenyl phenyl ether	62		86		40-140	32		50
Bis(2-chloroisopropyl)ether	63		91		40-140	36		50
Bis(2-chloroethoxy)methane	66		98		40-117	39		50
Hexachlorobutadiene	64		85		40-140	28		50
Hexachlorocyclopentadiene	42		61		40-140	37		50
Hexachloroethane	65		91		40-140	33		50
Isophorone	62		89		40-140	36		50
Naphthalene	64		87		40-140	30		50
Nitrobenzene	60		88		40-140	38		50
NDPA/DPA	62		89		36-157	36		50

Lab Control Sample Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1620112-2 WG1620112-3								
n-Nitrosodi-n-propylamine	61		88		32-121	36		50
Bis(2-ethylhexyl)phthalate	66		94		40-140	35		50
Butyl benzyl phthalate	63		93		40-140	38		50
Di-n-butylphthalate	66		92		40-140	33		50
Di-n-octylphthalate	66		94		40-140	35		50
Diethyl phthalate	63		91		40-140	36		50
Dimethyl phthalate	65		91		40-140	33		50
Benzo(a)anthracene	64		88		40-140	32		50
Benzo(a)pyrene	60		88		40-140	38		50
Benzo(b)fluoranthene	61		84		40-140	32		50
Benzo(k)fluoranthene	65		96		40-140	39		50
Chrysene	63		89		40-140	34		50
Acenaphthylene	66		91		40-140	32		50
Anthracene	63		88		40-140	33		50
Benzo(ghi)perylene	66		94		40-140	35		50
Fluorene	63		88		40-140	33		50
Phenanthrene	64		87		40-140	30		50
Dibenzo(a,h)anthracene	66		96		40-140	37		50
Indeno(1,2,3-cd)pyrene	70		100		40-140	35		50
Pyrene	63		90		35-142	35		50
Biphenyl	65		89		37-127	31		50
4-Chloroaniline	59		78		40-140	28		50
2-Nitroaniline	69		97		47-134	34		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1620112-2 WG1620112-3								
3-Nitroaniline	55		79		26-129	36		50
4-Nitroaniline	59		84		41-125	35		50
Dibenzofuran	63		88		40-140	33		50
2-Methylnaphthalene	65		90		40-140	32		50
1,2,4,5-Tetrachlorobenzene	68		93		40-117	31		50
Acetophenone	63		91		14-144	36		50
2,4,6-Trichlorophenol	68		95		30-130	33		50
p-Chloro-m-cresol	67		95		26-103	35		50
2-Chlorophenol	71		104	Q	25-102	38		50
2,4-Dichlorophenol	70		103		30-130	38		50
2,4-Dimethylphenol	66		97		30-130	38		50
2-Nitrophenol	68		103		30-130	41		50
4-Nitrophenol	49		70		11-114	35		50
2,4-Dinitrophenol	52		67		4-130	25		50
4,6-Dinitro-o-cresol	67		96		10-130	36		50
Pentachlorophenol	59		85		17-109	36		50
Phenol	73		107	Q	26-90	38		50
2-Methylphenol	70		102		30-130.	37		50
3-Methylphenol/4-Methylphenol	75		111		30-130	39		50
2,4,5-Trichlorophenol	70		100		30-130	35		50
Benzoic Acid	45		47		10-110	4		50
Benzyl Alcohol	65		96		40-140	39		50
Carbazole	64		90		54-128	34		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1620112-2 WG1620112-3								
1,4-Dioxane	47		65		40-140	32		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		101		25-120
Phenol-d6	68		100		10-120
Nitrobenzene-d5	62		92		23-120
2-Fluorobiphenyl	63		86		30-120
2,4,6-Tribromophenol	70		100		10-136
4-Terphenyl-d14	61		88		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FERNBROOK STREET PHASE II

Lab Number: L2212074

Project Number: 02980.0017

Report Date: 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1620722-2 WG1620722-3								
Acenaphthene	79		100		40-140	23		40
2-Chloronaphthalene	76		93		40-140	20		40
Fluoranthene	85		109		40-140	25		40
Hexachlorobutadiene	71		86		40-140	19		40
Naphthalene	74		93		40-140	23		40
Benzo(a)anthracene	79		101		40-140	24		40
Benzo(a)pyrene	76		99		40-140	26		40
Benzo(b)fluoranthene	91		118		40-140	26		40
Benzo(k)fluoranthene	96		122		40-140	24		40
Chrysene	84		106		40-140	23		40
Acenaphthylene	71		89		40-140	23		40
Anthracene	80		102		40-140	24		40
Benzo(ghi)perylene	85		107		40-140	23		40
Fluorene	81		104		40-140	25		40
Phenanthrene	83		105		40-140	23		40
Dibenzo(a,h)anthracene	94		117		40-140	22		40
Indeno(1,2,3-cd)pyrene	87		113		40-140	26		40
Pyrene	84		109		40-140	26		40
2-Methylnaphthalene	78		96		40-140	21		40
Pentachlorophenol	67		89		40-140	28		40
Hexachlorobenzene	80		101		40-140	23		40
Hexachloroethane	64		80		40-140	22		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1620722-2 WG1620722-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		76		21-120
Phenol-d6	51		63		10-120
Nitrobenzene-d5	85		106		23-120
2-Fluorobiphenyl	86		106		15-120
2,4,6-Tribromophenol	87		107		10-120
4-Terphenyl-d14	98		125		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1614901-3 QC Sample: L2211688-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.97	4.28	86		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	4.97	4.28	86		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.41	3.82	87		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.65	4.30	93		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	4.97	4.35	88		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.67	4.22	90		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.97	4.46	90		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.54	4.44	98		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	4.97	4.06	82		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.73	4.75	100		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.74	4.32	91		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	4.97	4.23	85		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.61	4.18	91		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	4.97	3.99	80		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.77	4.79	100		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.78	4.80	100		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.97	4.56	92		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.97	4.15	84		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.8	4.49	94		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	4.97	4.48	90		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.97	4.68	94		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	4.97	4.70	95		-	-		69-135	-		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1614901-3 QC Sample: L2211688-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	4.97	5.28	106		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.97	4.29	86		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	93				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	114				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	121				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1616146-3 QC Sample: L2212209-11 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	83.6	37	107	63	Q	-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	202	37	207	14	Q	-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	37.7	32.8	65.0	83		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.7	36.1	104		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	324	37	322	0	Q	-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.756J	34.8	34.0	95		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	682	37	637	0	Q	-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	5.50	33.8	41.0	105		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	1070E	37	998E	0	Q	-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.2	38.4	109		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.3	36.4	103		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	128	37	157	78		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	5.68	34.3	40.0	100		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	0.324J	37	36.7	98		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.5	43.8	123		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.6	37.4	105		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37	36.1	98		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37	38.0	103		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.7	30.8	86		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37	34.2	92		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37	34.4	93		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37	37.4	101		-	-		67-153	-		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1616146-3 QC Sample: L2212209-11 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37	41.5	112		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37	35.2	95		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	361	387	107		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	35	43.8	125		-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	37	45.7	124		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	37	26.7	72		-	-		10-119	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	105				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	106				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	66				10-206

Matrix Spike Analysis**Batch Quality Control****Project Name:** FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1616146-3 QC Sample: L2212209-11 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107				70-131

Lab Duplicate Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1614901-4 QC Sample: L2211688-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1614901-4 QC Sample: L2211688-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		101		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		105		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	117		111		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	88		78		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		101		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		111		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111		106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		91		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		108		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103		92		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		110		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88		86		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		71		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		103		54-150

Lab Duplicate Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1614901-4 QC Sample: L2211688-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		100		24-159

Lab Duplicate Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1616146-4 QC Sample: L2212278-01 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	7.69	7.48	ng/l	3		30
Perfluoropentanoic Acid (PFPeA)	15.7	15.6	ng/l	1		30
Perfluorobutanesulfonic Acid (PFBS)	7.88	8.22	ng/l	4		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	15.1	14.7	ng/l	3		30
Perfluoropentanesulfonic Acid (PFPeS)	0.709J	0.723J	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	6.80	6.45	ng/l	5		30
Perfluorohexanesulfonic Acid (PFHxS)	9.03	8.79	ng/l	3		30
Perfluorooctanoic Acid (PFOA)	25.7	22.6	ng/l	13		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	31.7	26.9	ng/l	16		30
Perfluoroheptanesulfonic Acid (PFHpS)	0.752J	0.814J	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	5.97	5.57	ng/l	7		30
Perfluorooctanesulfonic Acid (PFOS)	71.8	68.2	ng/l	5		30
Perfluorodecanoic Acid (PFDA)	2.05	2.25	ng/l	9		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1616146-4 QC Sample: L2212278-01 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		108		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119		107		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	198	Q	180	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		79		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		87		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	241	Q	224	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		96		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		105		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	178	Q	180	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		96		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		98		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		20		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		108		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		96		48-131

Lab Duplicate Analysis

Batch Quality Control

Project Name: FERNBROOK STREET PHASE II

Project Number: 02980.0017

Lab Number: L2212074

Report Date: 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1616146-4 QC Sample: L2212278-01 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		81		22-136

INORGANICS & MISCELLANEOUS

Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-01**Client ID:** SB-1**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 11:05**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-02**Client ID:** SB-2**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 11:40**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-03**Client ID:** SB-6**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 10:45**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-04**Client ID:** SB-7**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 08:55**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-05**Client ID:** SB-11**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 12:45**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-06**Client ID:** SB-13**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 10:20**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Project Name: FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22**SAMPLE RESULTS****Lab ID:** L2212074-07**Client ID:** SB-14**Sample Location:** YONKERS, NY (70 FERNBROOK ST)**Date Collected:** 03/08/22 12:10**Date Received:** 03/08/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	03/09/22 08:45	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** FERNBROOK STREET PHASE II**Project Number:** 02980.0017**Lab Number:** L2212074**Report Date:** 03/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1613410-1 QC Sample: L2211927-01 Client ID: DUP Sample						
Solids, Total	90.2	89.9	%	0		20

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2212074-01A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-01B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-01C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-01D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-01E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-01X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-01Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-01Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-02A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2212074-02B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2212074-02C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2212074-02D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-02E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-02X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2212074-02Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2212074-02Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2212074-03A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-03B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-03C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-03D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-03E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-03F	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)

Project Name: FERNBROOK STREET PHASE II**Lab Number:** L2212074**Project Number:** 02980.0017**Report Date:** 03/29/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2212074-03G	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2212074-03X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-03Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-03Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-04A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-04B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-04C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-04D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-04E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-04X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-04Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-04Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-05A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-05B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-05C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-05D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-05E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-05X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-05Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-05Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-06A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-06B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-06C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-06D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-06E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-06X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-06Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-06Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Serial_No:03292217:35
Lab Number: L2212074
Report Date: 03/29/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2212074-07A	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-07B	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-07C	5 gram Encore Sampler	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-07D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2212074-07E	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14)
L2212074-07X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2212074-07Y	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-07Z	Vial Water preserved split	A	NA		2.1	Y	Absent	09-MAR-22 07:19	NYTCL-8260HLW(14)
L2212074-08A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2212074-08B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2212074-08C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2212074-08D	Amber 250ml unpreserved	A	8	8	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2212074-08E	Amber 250ml unpreserved	A	5	5	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2212074-09A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2212074-09B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2212074-09C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2212074-09D	Amber 250ml unpreserved	A	5	5	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2212074-09E	Amber 250ml unpreserved	A	8	8	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2212074-10A	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Serial_No:03292217:35
Lab Number: L2212074
Report Date: 03/29/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDaA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSA's)		
Perfluorododecanesulfonic Acid	PFDaDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESA's)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCA's)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FERNBROOK STREET PHASE II
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FERNBROOK STREET PHASE II
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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FERNBROOK STREET PHASE II
Project Number: 02980.0017

Lab Number: L2212074
Report Date: 03/29/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

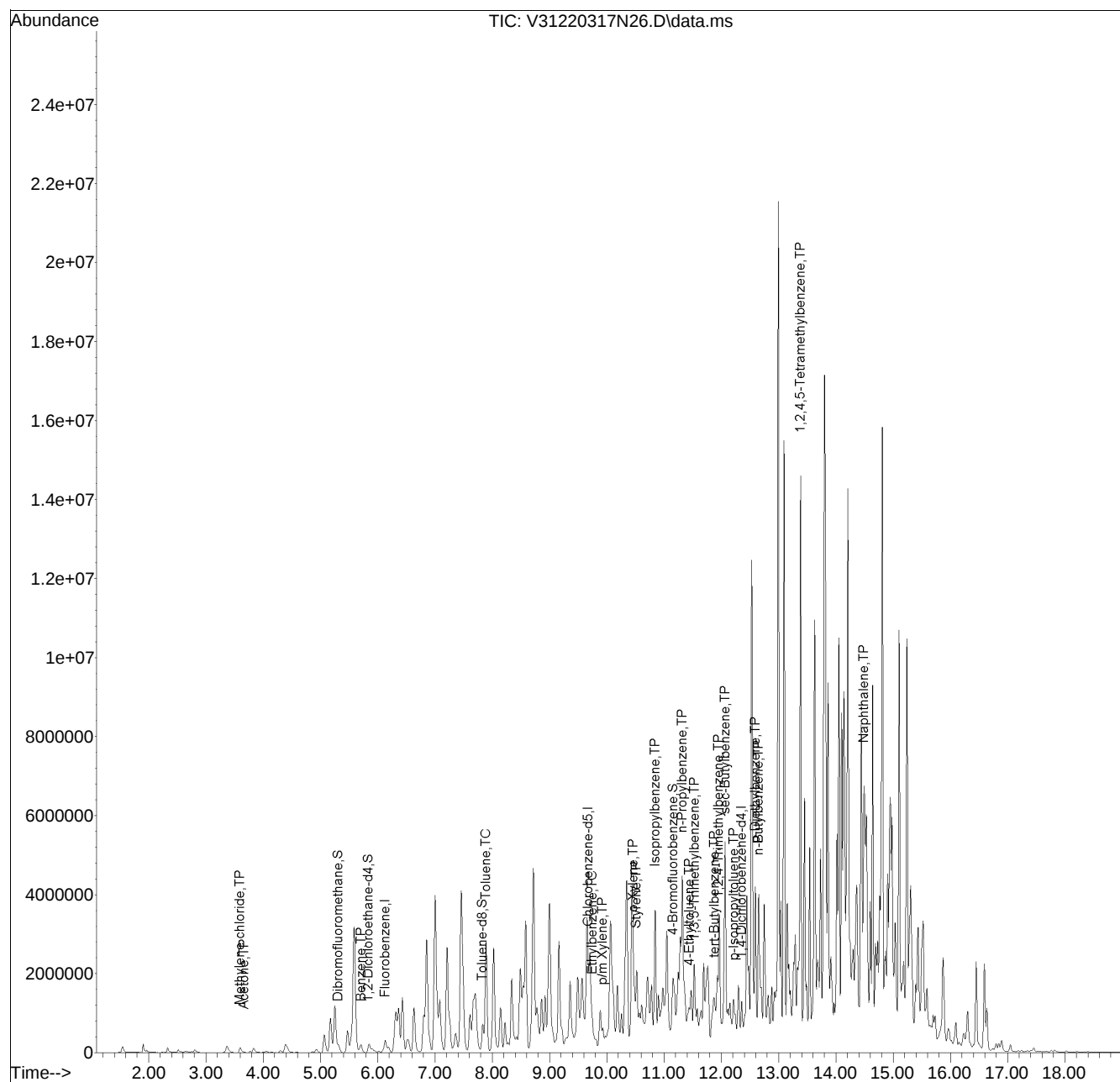
 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 03/08/22		ALPHA Job # L2212074					
		Project Information Project Name: Fernbrook Street Phase II Project Location: Yonkers, NY (70 Fernbrook St) Project # 02980-0017 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #							
Client Information Client: PS&S Address: 1 Larkyn Plaza, 2nd Floor Yonkers NY 10701 Phone: 914-599-8600 Fax: Email: ctsraey@psandson.com		Project Manager: Camilla Fraser ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☒ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:							
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Also estuaries@psandson.com TW-1 & TW-2 Vials in Vial (V) HCl procedure (B)		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Total Bottles							
Please specify Metals or TAL.		Sample Specific Comments											
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	TCL Vials (8060)	TCL Vials (8170)	TOTAL Solids	PFAS				
12074 - 01	SB-1	3/8/22		Soil	ES	X	X	X					5
-02	SB-2					X	X	X					5
-03	SB-6					X	X	X	X				7
-04	SB-7					X	X	X					5
-05	SB-11					X	X	X					1
-06	SB-13					X	X	X					1
-07	SB-14					X	X	X					1
-08	TW-1			Water		X	X						5
-09	TW-2					X	X						5
-10	FIELD BLANK								X				1
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type E A P P		Preservative A A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			
Relinquished By: <i>Li K</i>		Date/Time: 3/8/22 15:25		Received By: <i>Li K</i>		Date/Time: 3/8/22 15:25							
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Quantitation Report (QT Reviewed)

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 Sample : 12212074-01, 31H, 5.24, 5, 0.100,, x
 Misc : WG1617233, ICAL18820
 ALS Vial : 26 Sample Multiplier: 1

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 Response via : Initial Calibration

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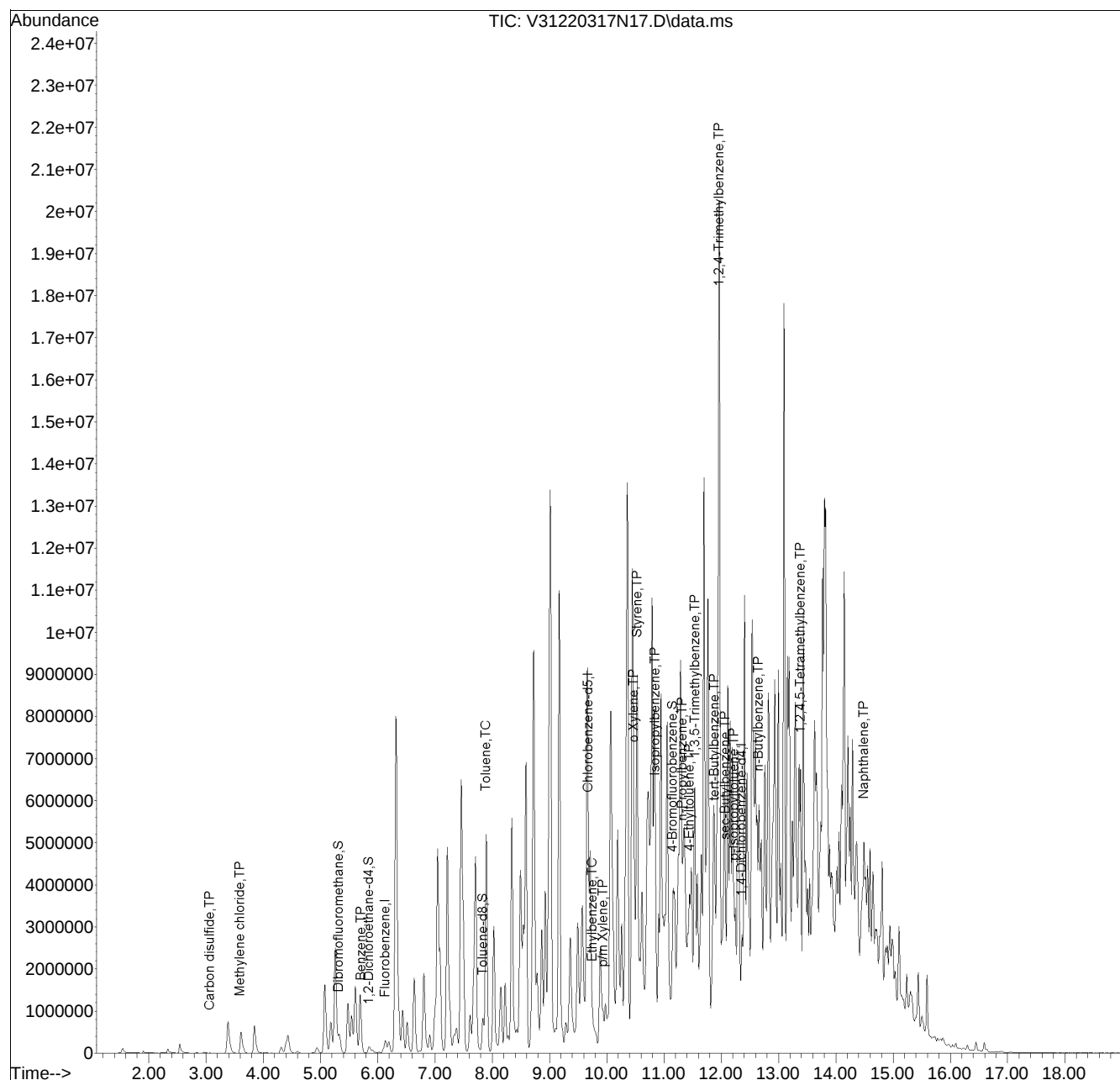


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 Misc : WG1617237,ICAL18820
 ALS Vial : 17 Sample Multiplier: 1

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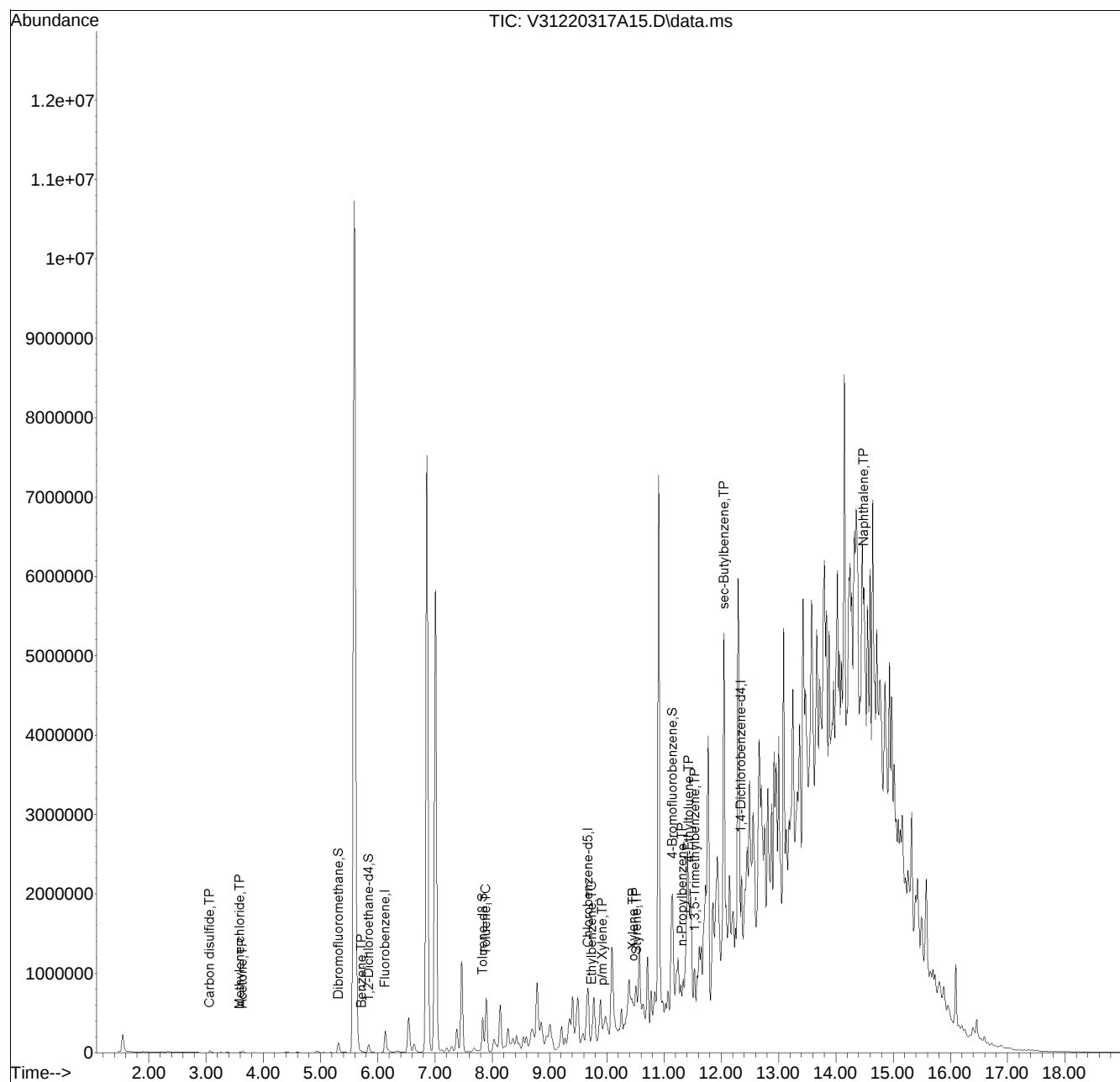


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 ALS Vial : 15 Sample Multiplier: 1

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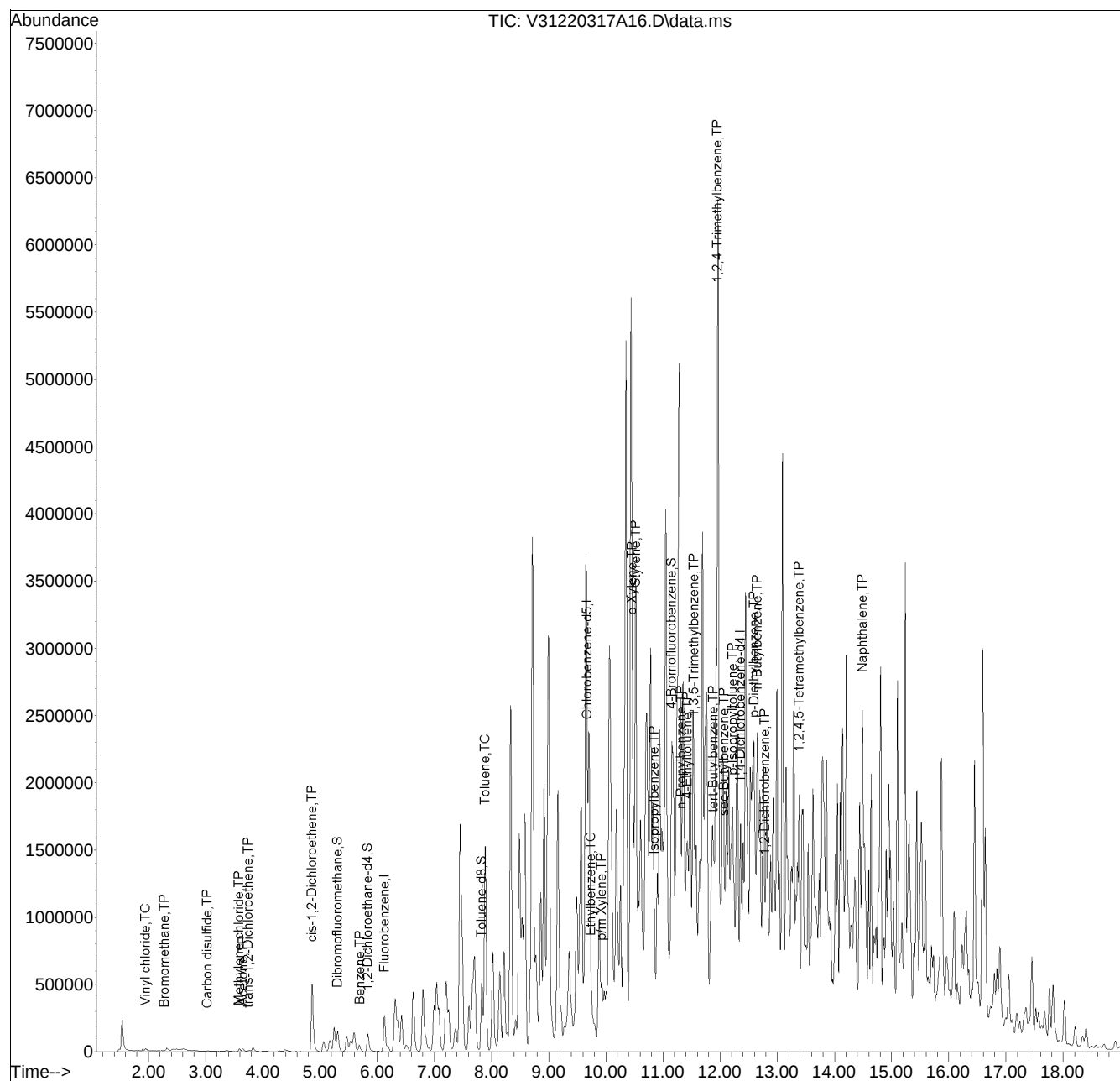


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 Misc : WG1617233, ICAL18820
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 17 17:24:15 2022
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Sample : 12212074-08d,31,5.0,10,,a
Misc : WG1617273,ICAL18736
ALS Vial : 23 Sample Multiplier: 1

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Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20317N\V05220317N01.d•

