PHASE II REMEDIAL INVESTIGATION REPORT

for

145-165 WOLCOTT STREET
Brooklyn, New York
Block 574, Lots 1, 23, and 24
NYSDEC BCP Site No. C224256

Prepared For:

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October 2022
Langan Project No. 170562201

LANGAN

CERTIFICATION

I, Michael Burke, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Phase II Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).

Michael Burke, PG, CHMM
Principal/Vice President

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1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C (Langan) prepared this Phase II Remedial Investigation Report (RIR) on behalf of Red Hook JV LLC (the "Volunteer") for 145-165 Wolcott Street in the Red Hook neighborhood of Brooklyn, New York (the "site"). The site is identified on the Brooklyn Borough tax map as Block 574, Lots 1, 23, and 24. A Site Location Map is included as Figure 1.

145-65 Wolcott St. Realty Corp., the previous owner of the site, was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as a volunteer, as set forth in a Brownfield Cleanup Agreement (BCA), dated February 21, 2018 (Site No. C224256). Red Hook JV acquired the site in August 2019, and a BCA amendment adding Red Hook JV as a Volunteer was executed on December 31, 2019.

A Phase I RIR[1] was prepared by P.W. Grosser Consulting, Inc. (PWGC) and submitted to NYSDEC on behalf of the Volunteer in November 2019. PWGC submitted a revised Phase I RIR to NYSDEC in November 2020 in response to an April 2020 NYSDEC comment letter. NYSDEC conditionally approved the Phase I RIR in a letter dated April 13, 2021, and a Final Phase I RIR was issued in April 2021.

Langan conducted the Phase II Remedial Investigation (RI) described in this Phase II RIR in accordance with the NYSDEC-approved Phase II RI and Interim Remedial Measures (IRM) Work Plan, dated April 30, 2021, to further evaluate the potential areas of concern identified in the Phase I RIR and referenced in the PWGC RIR Comment Response letter, dated November 11, 2020. NYSDEC cited potential underground storage tanks (UST), an interior storm drain, an exterior culvert, and potential impacts to groundwater from a free-phase tar-related substance on the northwestern portion of the site as areas of concern warranting additional evaluation beyond that conducted during the Phase I RI.

[1] In a letter dated April 13, 2021, NYSDEC conditionally approved PWGC's RIR and requested the name be amended to "Phase I RIR". In the same letter, the NYSDEC requested the title of Langan's January 2021 Interim Remedial Measures Work Plan (IRMWP) be amended to "Phase II RIR and IRMWP".

2.0 SITE BACKGROUND

2.1 Site Description

The approximately 80,000-square-foot site is improved by asphalt-paved parking lots on Lots 1 and 24, a one-story light industrial building on Lot 1, and a trailer formerly used as office space on Lot 23. Lot 1 occupies the majority of the site (67,500 square feet), and Lot 23 (2,000 square feet) and Lot 24 (10,500 square feet) occupy the southeastern corner of the site. The one-story building and surrounding parking lot on Lot 1 were used for school bus parking and maintenance through 2016; the parking lot is currently used by Tesla, Inc. for the storage of new passenger cars, and the building is vacant. Lots 23 and 24 are currently vacant, with the exception of an office trailer on Lot 23 and moving van storage on Lot 24. Access is restricted to the exterior portions of the site by chain-link fencing with locked gates, which surrounds the site perimeter.

The site is bound by Ferris Street and a commercial development site to the northwest; Wolcott Street, warehouse, and bus parking facilities to the northeast; and Conover Street, South Brooklyn Community High School, and residential buildings to the southeast. Several properties, including residential buildings and a commercial storage building, directly adjoin the site to the southwest along Conover and Dikeman Streets. Other properties southwest of the site across Dikeman Street include multi-family residential buildings and commercial storage, warehouse, and light manufacturing buildings.

Grades within the site generally vary from about elevation (el) 9.7 feet (ft) North American Vertical Datum of 1988 (NAVD88) in the northeast to el 13.7 ft NAVD in the south-central part of the site. Grades generally slope down to the north. Grades along Wolcott Street and Dikeman Street generally slope down to the east and west, respectively, from a crown that occurs roughly mid-block.

A site location map is included as Figure 1, and a site plan is included as Figure 2. A site survey is provided in Appendix A.

2.2 Site History

The site has a protracted history of industrial and commercial usage, including oil resin manufacturing (1886), engine manufacturing and boiler repair (1904), transformer use (1915), commercial vehicle repair and petroleum bulk storage (1938-2016), lumber storage (1950-1992), and commercial waste recycling (1993-2012). Historical records indicate that the site contained 14 historical petroleum aboveground storage tanks (AST) and USTs. The site was also used as a vehicle disassembly facility in the early 1940s, during which military vehicles were coated with the petroleum-based wax sealant cosmoline prior to overseas shipment. Residences were

located on Lots 23 and 24 between 1886 and 1969. The site was most recently used for school bus parking and maintenance, which occurred between 2002 and 2016, and is currently used by Tesla for new passenger vehicle storage and by a moving company for licensed short-term storage use. The site building is currently vacant.

2.3 Proposed Redevelopment Plans

The proposed redevelopment is in the conceptual design phase, and will be described in the forthcoming Remedial Action Work Plan (RAWP).

2.4 Previous Environmental Reports and Regulatory Correspondence

Previous environmental documents and regulatory correspondence applicable to the scope of the Phase II RI are summarized in chronological order below. These reports are provided in Appendix B.

- ASTM Certified Environmental Site Assessment: 145-165 Wolcott Street, prepared by Volumetric Techniques, Ltd. (VT), dated February 9, 2015
- Letter: Re: Limited Subsurface Investigation, prepared by John Eichler of PWGC, sent to Gregory Iovine of 145-65 Wolcott St. Realty Corp. on August 22, 2018
- Letter: Re: Remedial Investigation, prepared by Kris Almskog of PWGC, sent to Steven Scharf of NYSDEC on November 11, 2020
- Phase I Remedial Investigation Report, prepared by PWGC on behalf of Red Hook JV LLC, dated April 19, 2021
- Pre-Demolition Hazardous Materials Survey Report, prepared by Partner Assessment Corporation (Partner) on behalf of Four Points LLC, dated January 11, 2021

ASTM Certified Environmental Site Assessment: 145-165 Wolcott Street, prepared by VT, dated February 9, 2015

The Phase I Environmental Site Assessment (ESA) identified the following recognized environmental conditions (REC):

- Historical use of the site that included an oil and tar manufacturer, chemical manufacturer, boiler manufacturer, army vehicle disassembly facility, and transportation depot (including storage and repair of school buses).
- Documented contamination, including polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), and lead in soil and groundwater samples.

- Documented off-site petroleum spills associated with a boring located at the intersection of Ferris Street and Sullivan Street and PAH-impacted soil at 44 Ferris Street.
- Several historical and in-service tanks, including those listed below:

Type	Contents	Capacity (gallons)	Status	Location
UST	Diesel/ heating oil	6,000	Closed-In-Place	Northern portion of site
5 USTs*	Gasoline	550	Closed/ Removed	Unknown
UST**	Cosmoline/ Waste Oil†	Not Specified	Closed/ Removed	Southwestern portion of site
UST**	Heating oil	275	Unknown	Underneath former body shop floor
Unknown number of ASTs**	Waste oil	275	In-Service	Adjacent to western side of building
AST**	Not Specified	Not Specified	In-Service	Replaced 6,000-gallon UST
AST**	Not Specified	Not Specified	Removed	Former body shop
AST	Kerosene	275	In-Service	Not specified

*Only 4 of 5 tanks were included in the NYSDEC Petroleum Bulk Storage (PBS) database listing for the site

**Tank not listed in PBS database listing

†Cosmoline is a petroleum-based wax sealant that was used to coat vehicles to prevent rust and corrosion during transport.

VT conducted a subsurface investigation that included the collection of soil and groundwater samples. The investigation findings are summarized below:

- The subsurface generally consists of historic fill material extending to depths between about 3 feet and 7 feet below ground surface (bgs). The fill layer generally consists of brown sand with varying amounts of concrete, brick, bituminous ash, wood, tar, and resin.
- 33 soil borings exhibited photoionization detector (PID) readings above background at concentrations between 99 and 2,340 parts per million (ppm).
- Groundwater was observed between 11.5 and 16 feet bgs.
- Soil sample analytical results indicated concentrations of several petroleum-related VOCs above the Title 6 of the New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCO) at locations in the southeastern portion of the site and near the former 6,000-gallon UST on the northern portion of the site. PAHs were detected above UU SCOs in a culvert near the northwestern corner of

the building on Lot 1, and several metals were detected above the UU SCOs in samples collected throughout the site.

- Concentrations of petroleum-related VOCs (1,2,4-trimethylbenzene, 1,2,4-trimethylbenzene, and/or 1,3,5-trimethylbenzene), PAHs, and metals (lead and cadmium) exceeded the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA water in one or more groundwater samples. Petroleum-related VOCs were identified above the SGVs in groundwater near a former 6,000-gallon diesel UST in the northern portion of the site.

VT identified the following areas of concern, based on historical site use, detections of PAHs and VOCs in soil and/or groundwater, and observations of staining:

PAH and VOC Detections

- Tar material on the northwestern portion of the site.
- Culvert near the northwestern corner of the building. The origin and discharge point of the culvert is unknown.
- Former vehicle body shop in the southern portion of the building.
- Interior floor drain in the central portion of the building.
- Historical cosmoline/waste oil UST on the southwestern portion of the site.
- VOCs in groundwater attributable to "background conditions" in Red Hook.

Site Use and Field Observations

- Historical and existing USTs and ASTs (summarized above).
- Soil staining near a waste storage and bermed containment area on the northern portion of the site.
- PID readings indicative of a potential vapor intrusion concern.

Letter: Re: Limited Subsurface Investigation, prepared by PWGC, dated August 22, 2018

PWGC advanced three soil borings and one groundwater monitoring well (SB002, SB018, and SB003/MW-003) in July and August 2018 to investigate the apparent tar material on the northwestern portion of the site, as proposed in an NYSDEC-approved June 2018 Remedial Investigation Work Plan (RIWP). SB018 was completed in the area where a tar-like substance was observed seeping through the asphalt pavement in the parking lot. SB002 was located northwest of SB018 and MW-003 was located northeast of SB018. The borings were completed to depths between 62 and 72 feet bgs.

Tar-like material, which was described as black, shiny, clay-like material mixed with black sand with PID readings up to 1,500 ppm, was observed in boring SB018 from the surface to 8 feet bgs. Boring SB018 also exhibited stained soil and odors between 8 and 16 feet bgs. Boring SB002 exhibited stained soil and PID readings up to 295 ppm between 9 and 11 feet bgs and odors between 9 and 39 feet bgs. Boring/well MW-003 did not exhibit staining or odors. Groundwater was encountered between 13 and 15 feet bgs.

Samples of the tar-like material were collected from the 0- to 2-foot and 4- to 6-foot depth intervals and submitted for laboratory analysis of VOCs, semivolatile organic compounds (SVOC), metals, polychlorinated biphenyls (PCB), and pesticides. Analytical results indicated that concentrations of VOCs and/or SVOCs were above the UU SCOs. The analytical results were not discussed in detail in the letter.

Letter: Re: Remedial Investigation, prepared by PWGC for NYSDEC, dated November 11, 2020

Following PWGC submission of a draft RIR, NYSDEC issued comments to the draft RIR in a letter dated April 28, 2020. PWGC prepared a response letter committing to addressing items omitted in the initial draft RIR. The letter also noted that the following items would be addressed during a subsequent IRM or implementation of a forthcoming RAWP:

- Evaluation of the well network near the tar-impacted area on the western and northwestern portions of the site for non-aqueous phase liquid (NAPL).
- Evaluation of the interior floor drains and culvert along the outside of the building.
- Exploratory excavation and evaluation of the potential abandoned-in-place 6,000-gallon UST.
- Post-demolition evaluation of a potential 275-gallon UST in the former body shop.
- Remediation of VOC, SVOC, and metals-contaminated soil in the tar-impacted area on the western and northwestern portions of the site.
- Exploratory excavation of geophysical anomalies identified during the RIR (discussed below).
- Excavation and removal of tar-like material on the northwestern portion of the site.

Phase I Remedial Investigation Report, prepared by PWGC, dated April 19, 2021

PWGC conducted the Phase I RI in January 2019 to delineate impacted areas of concern at the site. The investigation was conducted in accordance with the NYSDEC-approved June 2018 RIWP. The Phase I RI included a geophysical survey and soil, groundwater, and soil vapor sampling.

- A 4,000-gallon diesel AST was observed in the northern portion of the site. Although not discussed in the RIR, Langan also observed five 275-gallon ASTs containing motor oil and other unidentified contents.
- The geophysical survey identified seven electromagnetic anomalies, including one in the northwestern and six in the southeastern portions of the site.
- Eighteen soil borings were advanced to investigate areas documented during previous investigations to contain VOCs, SVOCs, and metals above the Part 375 SCOs. PWGC observed a layer of historic fill material extending from the ground surface to about 10 feet bgs. Historic fill consisted of dark brown to black fine-to-medium sand with varying amounts of gravel, asphalt, brick, coal/bituminous ash, concrete, tar, resin, and wood. Native soil underlying the historic fill was generally brown, gray, and black fine-to-medium sand with varying amounts of clay, gravel, organics, and silt. Petroleum odors and PID readings between 0 and 1,500 ppm were observed in various borings throughout the asphalt-paved parking lot and in the building at depths between ground surface and 39 feet bgs. Tar-like material was observed in one boring (SB018) on the northwestern portion of the site between ground surface and 8 feet bgs.
- Petroleum-related VOCs exceeded the Part 375 Restricted Use Restricted-Residential (RURR) SCOs in the southeastern portion of the building (SB013) at 6 to 8 feet bgs. SVOCs and/or metals were detected above the RURR SCOs, Part 375 Restricted Use - Commercial (RUC) SCOs and/or Part 375 Restricted Use - Industrial (RUI) SCOs in the 0- to 2-foot and 6- to 8-foot sampling intervals. PAHs exceeded the RUI SCOs between 12 and 16 feet bgs below the tar-like material in SB018.
- Eleven monitoring wells were installed and sampled. Groundwater was encountered between 8 and 10 feet bgs. Several petroleum-related VOCs and one chlorinated VOC (1,2-dichloroethane [DCA]) exceeded the SGVs in 6 of 11 monitoring wells. Petroleum-related VOCs also exceeded the SGVs in the area near a former 6,000-gallon diesel UST in the northern portion of the site. SVOCs exceeded the SGVs in 10 of 11 wells. Dissolved metals exceeded the SGVs in all wells; however, most regulatory exceedances were attributable to iron, manganese, and sodium, which likely reflect regional groundwater quality. Dissolved metals exceedances of antimony and nickel were noted in one well and were attributed to historic fill and/or impacts from historical site use. PAH detections were attributed to the presence of subsurface tar in the northwestern portion of Lot 1. Polyfluorinated Alkyl Substances (PFAS) were detected above the United States Environmental Protection Agency (USEPA) lifetime Health Advisory Level (HAL, 70 parts per trillion) in four of 11 wells. All concentrations of PFOA and PFOS were also above the June 2021 NYSDEC Guidance Value of 10 ppt. 1,4-dioxane was not detected above the reporting limit in any of the groundwater samples

- Three temporary vertical profile wells were installed near the northern (VP-002) and western (VP-001) corners and in the central portion of Lot 1 (VP-003). The wells were advanced to 80 feet bgs and groundwater samples were collected at discrete, 4-foot intervals every 10 vertical feet for a total of 8 samples per well. Each sample was analyzed for VOCs, SVOCs, pesticides, PCBs, metals (total and dissolved), and PFAS. Several petroleum-related VOCs and SVOCs exceeded the SGVs at each sampling interval in each well through 80 feet bgs. Concentrations of petroleum-related VOCs and naphthalene were found to be higher in shallow samples, with concentrations decreasing with increased depth to around 40 feet bgs, and then increasing again with maximum concentrations at 76 to 80 feet bgs, indicating that petroleum impacts below 40 feet bgs likely originate from an off-site source.
- To evaluate soil vapor impacts, nine interior sub-slab vapor samples, seven exterior soil vapor samples, two indoor air samples, and one ambient air sample were collected. Two chlorinated solvents were detected in sub-slab soil vapor and indoor air samples at concentrations exceeding the New York State Department of Health (NYSDOH) Decision Matrices minimum concentrations at which mitigation is recommended. Trichloroethene (TCE) and vinyl chloride were detected at concentrations of 1,260 and 767 micrograms per cubic meter ($\mu g/m^3$), respectively, in a sub-slab vapor sample (SV004) collected inside the warehouse building. TCE was also detected at a concentration of 0.413 $\mu g/m^3$ in an indoor air sample (IA002) collected inside the warehouse building.

Pre-Demolition Hazardous Materials Survey Report, prepared by Partner, dated January 11, 2021

Partner conducted a hazardous materials survey in December 2020 to evaluate asbestos-containing material (ACM), PCB-containing material, lead, and universal waste materials within the former repair garage building.

- ACM were confirmed in the following locations:
    a. Approximately 300 square feet of 9-inch maroon floor tile in the locker room in the western portion of the ground floor
    b. Approximately 350 square feet of roof penetration mastic in various locations on the roof
    c. Approximately 75 square feet of roof skylight tar at each skylight across the roof
- One PCB sample collected from grey paint on a vertical support column on the ground floor of the building was found to have a total PCB concentration (1.1 milligrams per kilogram [mg/kg]) below the Toxic Substances Control Act (TSCA) regulatory limit (50 mg/kg).

- One toxicity characteristic leaching procedure (TCLP) lead sample was collected from composite building materials from throughout the building. The TCLP lead concentration (<0.40 milligrams per liter [mg/l]) was less than the Resource Conservation and Recovery Act (RCRA) hazardous waste regulatory limit (5 mg/L).
- Universal waste, including fire extinguishers, fluorescent bulbs, thermostats, and metal halide or high-pressure sodium ballasts, were identified throughout the building.

2.5 Site Geology and Hydrogeology

Langan performed a preliminary geotechnical engineering study in August 2020 to evaluate the subsurface soil and groundwater conditions at the site, and PWGC conducted the Phase I RI in 2018 and 2019. Based on observations during these investigations, the general stratigraphy at the site consists of historic fill material, typically underlain by a layer of silty sand with varying amounts of silt, clay, and fine gravel. Historic fill generally consisting of brown to black sand with varying amounts of silt, concrete, brick, bituminous ash, wood, tar, and resin extends to depths between about 6 and 15 feet bgs. During the Phase II RI, groundwater was observed at depths between about 8 and 13 feet bgs. During the Phase I RI, groundwater was inferred to generally flow toward the southwest; however, groundwater flow direction and gradient may be influenced by tidal fluctuations and may therefore vary.

Historical mapping (i.e., Atlas of the Borough of Brooklyn, Belcher Hyde, 1857) indicates that the eastern portion of Lot 1 and entirety of Lots 23 and 24 were outboard of the former East River shoreline, prior to backfilling and land reclamation in the middle to late 1800s. Stratigraphy outboard of the original high water line is generally different from that in historically upland areas, based on the following characteristics: 1) increased thickness of historic fill material; 2) historic fill material that is characteristically less dense; and 3) the presence of a layer of silt and clay immediately below the fill layer.

Soil boring logs, a groundwater contour map, and groundwater monitoring well construction logs are appended to the Phase I RIR prepared by PWGC, which is included in Appendix B.

3.0 PHASE II REMEDIAL INVESTIGATION

NYSDEC cited potential USTs, an interior storm drain, an exterior culvert, and potential impacts to groundwater from a free-phase tar-related substance on the northwestern portion of the site as areas of concern warranting additional evaluation beyond the investigation completed during the Phase I RI.

The Phase II RI was implemented between May 24 and June 3, 2021, in accordance with the NYSDEC-approved Phase II RI and IRM Work Plan. The Phase II RI consisted of the following:

- A geophysical survey to confirm the location of anomalies identified in the Phase I RIR.
- Excavation of test pits to investigate anomalies identified during the geophysical survey and in the Phase I RIR.
- Evaluation of interior floor drains and investigation of an exterior drainage culvert along the northwestern perimeter of the building.
- Gauging of existing groundwater monitoring wells.
- Collection of two soil samples and two NAPL samples for laboratory analysis.
- Implementation of a Community Air Monitoring Plan (CAMP) during intrusive subsurface activities.

The CAMP monitoring data is provided in Appendix C. Daily field reports summarizing the completed work are provided in Appendix D, and a photographic log is provided in Appendix E. Figure 2 shows test pit and monitoring well locations.

3.1 Geophysical Survey

Prior to intrusive field activities, Hager-Richter Geosciences, Inc. (Hager-Richter) conducted a geophysical survey using ground penetrating radar (GPR), electromagnetic detection, and precision utility location equipment to document potential subsurface utilities, USTs, and subsurface anomalies at proposed investigation locations. The locations of seven subsurface anomalies identified in the Phase I RIR were screened to identify potential subsurface structures prior to test pit excavation activities. The survey also included screening of the area near the northwestern corner of the building to investigate potential drainage structures. The general depth of penetration for the survey was 1 to 1.5 feet bgs near the 7 formerly identified anomalies in Lot 24 and 3.5 to 4 feet bgs on Lot 1.

The geophysical survey confirmed the presence of subsurface anomalies in five of the eight surveyed locations; no obstructions were identified at the remaining three locations. The survey

did not identify anomalies indicative of USTs. However, buried concrete and metal were identified in the central portion of Lot 1, and buried metal and a potential buried vault were identified on Lot 24. A potential buried utility was observed to extend 75 feet westward from the exterior culvert and northwestern corner of the building and terminate in the central portion of Lot 1. The results of the geophysical survey are provided in Appendix F.

3.2 Exploratory Test Pits

Between June 1 and June 3, 2021, AARCO Environmental Services Corp. (AARCO) used a Bobcat E35 mini excavator to advance seven test pits at the location of subsurface anomalies identified in the Phase I RIR. The test pits varied in area between about 16 square feet and 64 square feet. A Langan field engineer documented the work and screened the excavation for indications of impacts with a PID. Findings are provided below:

Test Pit	Geophysical Survey Findings	Test Pit Depth (ft bgs)	Test Pit Observation
TP-01	Cleared – No obstructions	6.0	Dormant electrical lines within a brick-lined pit
TP-02	Metallic Anomaly	1.5 to 5.0	Metal plate above a vertical concrete and brick former foundation wall
TP-03	Cleared – No Obstructions	1.5	One metal plate and concrete foundation encountered at 1.5 feet bgs precluded deeper advancement. A nearby utility anomaly precluded expansion of test pit.
TP-04	Possible Concrete Structure	1.75	Multiple overlapping metal plates precluded deeper excavation
TP-05	Metallic Anomaly	3	Crushed 55-gallon drum – no odors, staining or PID readings above background
TP-06	Metallic and Concrete Anomalies	0.5 to 5.0	Metal plate above reinforced concrete at about 1 foot bgs – proximity to a concrete ramp and a utility anomaly limited depth of test pit
TP-07	Reinforced Concrete	5	One-foot-thick reinforced concrete at 1 ft bgs
Area near NW Corner of Building	Cleared – No Obstructions; buried utility extending 75 ft west towards TP-07	Not advanced	The open culvert referenced in the 2015 Phase I ESA prepared by VT was observed about 50 feet south of the geophysical investigation area.

No UST or odors, staining, or PID readings above background indicative of soil impacts were observed in the test pits. The test pits were backfilled with excavated soil and the surface was restored with cold patch asphalt. The crushed drum identified in TP-05 was removed from the excavation and wrapped in polyethylene sheeting for future disposal. Waste asphalt generated during test pit advancement was placed on polyethylene sheeting in the southern part of the site for future disposal. Test pit locations are shown on Figure 2, and test pit logs are provided in Appendix G.

3.3 Floor Drain and Culvert Investigation

Removal of steel cover plates inside the building did not reveal floor drains or possible sources of contaminated liquid discharge to exterior areas. An inspection of the northwestern building façade identified the presence of an approximately 30-foot-long, 5-foot-wide, and 4-foot-deep open culvert parallel to the exterior wall of the building. The brick-lined, earthen bottom culvert contained an approximately 1-foot-thick layer of sediment. An approximately two-inch-diameter, poly vinyl chloride (PVC) pipe was observed extending from the western wall of the building and discharged into the culvert; the source of the outlet was not observed inside the building. A buried six-inch-diameter steel pipe connecting to the culvert from the west was observed. A steel grate covering a sub-grade stormwater cleanout is located about 30 feet west of the inlet. The cleanout contains an opening oriented towards the culvert and indicative of a potential connection with the aforementioned six-inch steel pipe and culvert. The approximate culvert and stormwater grate locations are shown on Figure 2.

3.3.1 Sediment Sampling and Analytical Results

Two sediment samples were collected from the culvert: one from immediately beneath the storm sewer pipe inlet (CS-01) and one from immediately beneath the aforementioned PVC pipe outlet extending to the culvert from the building (CS-02). Samples were collected into pre-cleaned, laboratory-supplied glassware and placed in a laboratory-supplied cooler packed with ice (to maintain a temperature of 4ºC). The coolers were collected by a laboratory courier and transported under standard chain-of-custody protocol to Alpha Analytical, Inc. (Alpha), an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory in Westborough, Massachusetts.

Soil samples were analyzed for:

- Part 375 VOCs via SW-846 Method 8260C
- Part 375 SVOCs via SW-846 Method 8270D
- Part 375 PCBs via SW-846 Method 8082A

- Part 375/Target Analyte List (TAL) metals via SW-846 Methods 6010D/7471B

Soil sample results were compared to RURR and RUC SCOs. A sample collection summary is provided in Table 1 and laboratory sample analytical results are provided in Table 2. The laboratory analytical report is provided in Appendix H. VOCs and PCBs were not detected at concentrations exceeding RURR or RUC SCOs. SVOCs and metals detected at concentrations exceeding the RURR and RUC SCOs are listed below. RURR SCO exceedances are bolded and RUC SCO exceedances are shaded.

Analyte	SCOs (mg/kg)		Result (mg/kg)	
	RURR SCOs	RUC SCOs	CS01	CS02
SVOCs				
Benzo(a)anthracene	**1**	5.6	**13**	**9.4**
Benzo(a)pyrene	**1**	1	**10**	**9.3**
Benzo(b)fluoranthene	**1**	5.6	**13**	**12**
Benzo(k)fluoranthene	**3.9**		**14**	
Chrysene	**3.9**		**12**	**11**
Dibenz(a,h)anthracene	**0.33**	0.56	**1.7**	**2.3**
Indeno (1,2,3-cd)pyrene	**0.5**	5.6	**7.6**	**6.6**
Metals				
Cadmium	**4.3**	9.3	3.04	**13.2**
Copper	**270**	270	**945**	260
Lead	**400**	1000	**716**	**1,190**

3.4 Synoptic Well Gauging

Langan completed synoptic well gauging at wells MW-001 through MW-006 and MW-008 through MW-011 between June 1 and 3, 2021. MW-007 was inaccessible for groundwater measurements due to obstruction by site materials during the Phase II RI. Groundwater was observed between 8.17 and 11.99 feet bgs. Apparent petroleum light non-aqueous phase liquid (LNAPL) was observed with a thickness of 0.9 feet in MW-002 and 1.48 feet in MW-008. LNAPL was not observed in MW-002 or MW-008 during the Phase I RI. A summary of the groundwater gauging event is provided as Table 4.

3.4.1 Petroleum Product Sampling and Analytical Results

Samples of the LNAPL were collected from MW-002 and MW-008 in pre-cleaned, laboratory-supplied glassware and placed in a laboratory-supplied cooler packed with ice (to maintain a temperature of 4ºC). The coolers were collected by a laboratory courier and transported under standard chain-of-custody protocol to Alpha. Product samples were analyzed for petroleum

hydrocarbon identification by gas chromatography with flame ionization detector (GC/FID) by SW-846 Method 8015D(M).

Total petroleum hydrocarbons (TPH) were 861,000 mg/kg in MW-002 and 906,000 mg/kg in MW-008. A qualitative review of gas chromatograph results compared to Alpha's library of reference standards was performed in accordance with EPA Method 8015M. The review indicated that the LNAPL from MW-002 exhibits an affinity with No. 2 fuel oil/diesel fuel, while the LNAPL from MW-008 resembles a mixture of gasoline and a motor oil type product. The LNAPL in each well therefore appears to originate from different sources.

The petroleum hydrocarbon identification results are summarized in Table 3. The laboratory analytical report is provided in Appendix H.

3.5 Community Air Monitoring Plan

Langan conducted continuous air monitoring at stationary upwind and downwind locations relative to the work areas during ground-intrusive activities in accordance with the NYSDEC-approved Phase II RI and IRM Work Plan. A Langan field engineer also monitored the work area for dust and organic vapors. Action levels for VOC and particulate matter less than 10 micrometers in size (PM-10) were not exceeded during the monitoring period. CAMP data are provided in Appendix C.

3.6 Data Validation

Category B laboratory analytical reports for the Phase II RI soil and petroleum product samples were provided by Alpha and were validated by Langan. The Data Usability Summary Report (DUSR) is provided in Appendix I. According to the validation results, the data were determined to be acceptable. Completeness, defined as the percentage of analytical results that are judged to be valid, is 100%. All data are considered useable as qualified.

4.0 FINDINGS AND CONCLUSIONS

The findings summarized herein are based on field observations, instrumental readings, and laboratory analytical results of soil and petroleum product samples collected during the Phase II RI. Findings and conclusions are as follows:

- A geophysical survey confirmed the presence of five of seven subsurface anomalies identified in the Phase I RIR. A possible vault structure was identified on the northern portion of Lot 24, and a potential buried utility was indicated to extend 75 feet westward from the northwestern corner of the building and terminate in the central portion of Lot 1. Excavation of seven test pits at the anomalies identified buried foundation structures, including metallic plates, reinforced brick retaining walls, reinforced concrete; one buried 55-gallon drum was observed on the central portion of Lot 24. No USTs or indications of impacted soil were identified. A metal plate precluded advancement in the area of the possible vault structure below 1.75 feet bgs.
- Interior floor drains or other possible sources of contaminated liquid discharge to exterior areas were not observed; however, an open culvert was observed along the western wall of the building. A PVC pipe extending from the western wall of the building appeared to discharge into the culvert, and a buried steel pipe was observed to intersect the culvert; the steel pipe is aligned with a storm sewer located about 30 feet west of the culvert.
- Two sediment samples collected from the culvert near the discharge pipe and the out-flowing buried pipe contained SVOCs and metals at concentrations above the RURR and/or RUC SCOs. The detections are of a similar order of magnitude as those in the Phase I RI historic fill samples. The Phase I RI boring nearest the culvert, SB-008, contained SVOC concentrations at 6 to 8 feet bgs that were higher than those detected in the culvert samples. The results do not, therefore, indicate that stormwater discharging from the building via the culvert is a primary source of metal and SVOC impacts on Lot 1.
- Ten of 11 permanent groundwater monitoring wells were gauged. Groundwater elevations ranged between 8.17 feet bgs in the southern part of the site and 11.99 feet bgs in the central-eastern part of the site.
- Two monitoring wells, MW-002 on the northeastern corner of the site and MW-008 in the southern part of the building, contained LNAPL. Dissolved-phase petroleum-related VOCs were detected in both wells, but LNAPL was not documented during the Phase I RI. TPH analysis and gas chromatograph review ("fingerprint analysis") of LNAPL samples revealed that the free-phase product in MW-002 resembled No. 2 fuel oil/diesel fuel and the product from MW-008 resembled a mixture of gasoline and a motor oil type. The fingerprint analysis indicates two distinct sources of petroleum impacts. Based on

detections of petroleum-related VOCs in soil samples collected near MW-008 during the Phase I RIR, gasoline and oil releases during historical vehicle repair inside the garage building are the likely source of the LNAPL inside the garage.

- An on-site source of the LNAPL impacts near the northeastern corner of the site has not been identified. LNAPL has been documented in off-site borings and wells associated with the Red Hook 3 site (BCP No. C224213) directly northwest of the site and the Red Hook 4 site (BCP No. C2442414) directly north of the site.
- During ground-intrusive work, PM-10 and VOC concentrations did not exceed CAMP action levels.

FIGURES

NOTES:
1. BASEMAP ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE SERIES TOPOGRAPHICAL MAPS, JERSEY CITY, NEW JERSEY, QUADRANGLE, DATED 2016.

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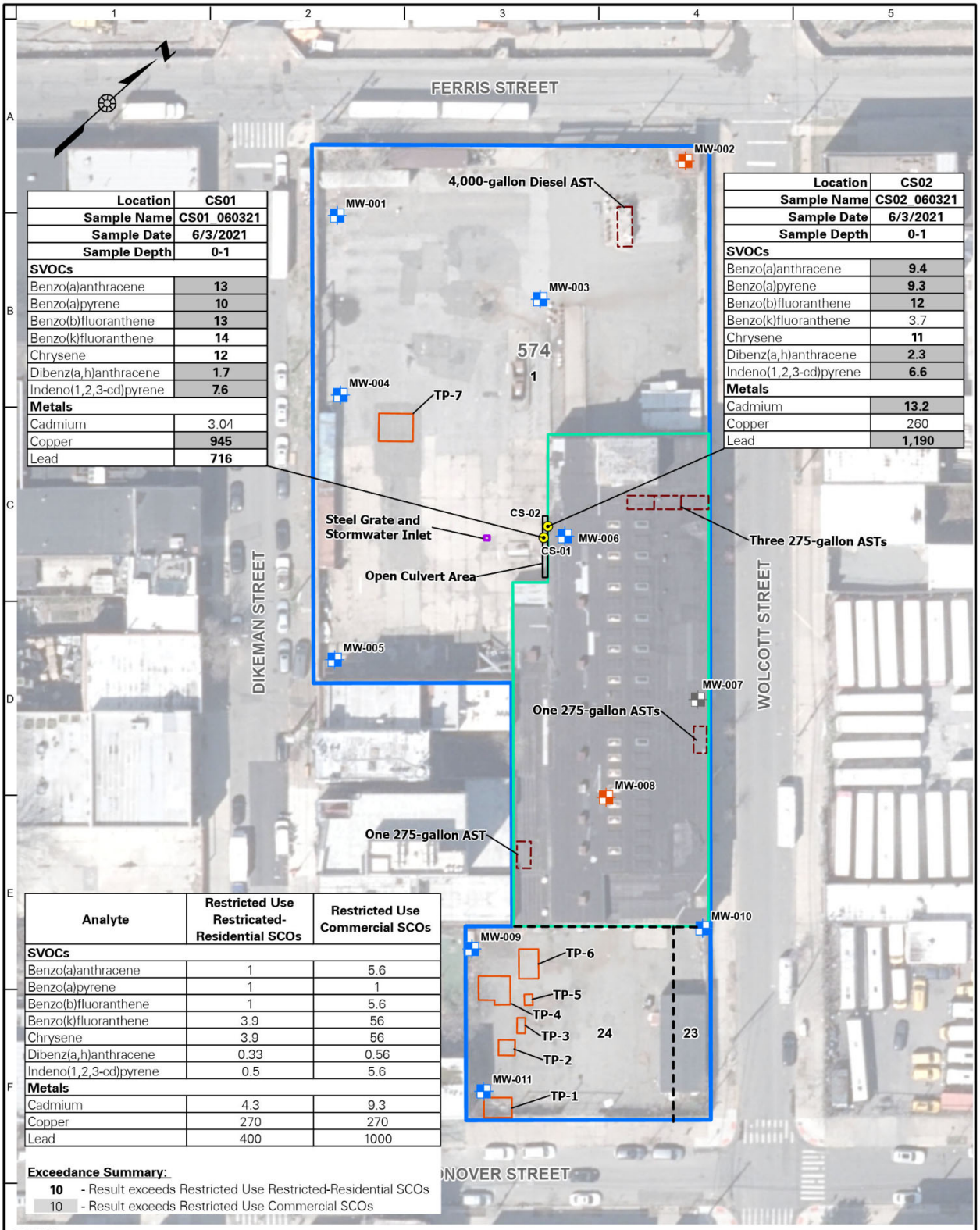
Project
145-165 WOLCOTT STREET
BLOCK No. 574, LOT No. 1, 23, & 24
BROOKLYN
KINGS NEW YORK

Figure Title
SITE LOCATION MAP

Project No.	170562201
Date	11/19/2020
Scale	1"=1,000'
Drawn By	EMS

Figure No. 1

Path: \\langan.com\data\NY\data2\170562201\Project Data\ArcGIS\APRX\145 Wolcott Street_11_02_2020_v2\145 Wolcott Street.aprx Date: 11/19/2020 User: zlawlor Time: 9:51 AM



Location	CS01
Sample Name	CS01_060321
Sample Date	6/3/2021
Sample Depth	0-1
SVOCs	
Benzo(a)anthracene	**13**
Benzo(a)pyrene	**10**
Benzo(b)fluoranthene	**13**
Benzo(k)fluoranthene	**14**
Chrysene	**12**
Dibenz(a,h)anthracene	**1.7**
Indeno(1,2,3-cd)pyrene	**7.6**
Metals	
Cadmium	3.04
Copper	**945**
Lead	**716**

Location	CS02
Sample Name	CS02_060321
Sample Date	6/3/2021
Sample Depth	0-1
SVOCs	
Benzo(a)anthracene	**9.4**
Benzo(a)pyrene	**9.3**
Benzo(b)fluoranthene	**12**
Benzo(k)fluoranthene	3.7
Chrysene	**11**
Dibenz(a,h)anthracene	**2.3**
Indeno(1,2,3-cd)pyrene	**6.6**
Metals	
Cadmium	**13.2**
Copper	260
Lead	**1,190**

Analyte	Restricted Use Restricated-Residential SCOs	Restricted Use Commercial SCOs
SVOCs		
Benzo(a)anthracene	1	5.6
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	5.6
Benzo(k)fluoranthene	3.9	56
Chrysene	3.9	56
Dibenz(a,h)anthracene	0.33	0.56
Indeno(1,2,3-cd)pyrene	0.5	5.6
Metals		
Cadmium	4.3	9.3
Copper	270	270
Lead	400	1000

Exceedance Summary:

10 - Result exceeds Restricted Use Restricted-Residential SCOs

10 - Result exceeds Restricted Use Commercial SCOs

LEGEND

- EXISTING MONITORING WELL LOCATION
- EXISTING MONITORING WELL / OBSERVED LNAPL LOCATION
- EXISTING MONITORING WELL LOCATION INACCESSIBLE DURING PHASE II RI
- CULVERT SEDIMENT SAMPLE LOCATION
- TEST PIT LOCATION
- APPROXIMATE SITE BOUNDARY
- ABOVEGROUND STORAGE TANK
- APPROXIMATE OPEN CULVERT LOCATION
- STEEL GRATE
- BUILDING FOOTPRINT
- TAX LOTS
- 574 TAX BLOCK NUMBER
- 24 TAX LOT NUMBER

NOTES:
1. WORLD AERIAL IMAGERY BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO).
2. THE SITE BOUNDARY SERVES AS THE BROWNFIELD CLEANUP PROGRAM (BCP) BOUNDARY.
3. TP - TEST PIT
4. PHI - PETROLEUM HYDROCARBON IDENTIFICATION

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

50 0 50
SCALE IN FEET

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Project: **145-165 WOLCOTT STREET**
BLOCK No. 574, LOT No. 1, 23, & 24
BROOKLYN
KINGS NEW YORK

Figure Title: **INVESTIGATION LOCATION AND SEDIMENT SAMPLE ANALYTICAL RESULTS MAP**

Project No. 170562201
Date 2/23/2022
Scale 1"=50'
Drawn By MG

Figure No. 2

TABLES

Table 1
Phase II Remedial Investigation Report
Sample Collection Summary

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Sample No.	Location	Sample Name	Sample Depth (feet bgs)	Sample Date	Laboratory Analyses
Soil Samples					
1	CS01	CS01_060321	0-1	06/03/2021	NYSDEC Part 375 VOCs, SVOCs, PCBs, and Metals
2	CS02	CS02_060321	0-1	06/03/2021	
LNAPL Samples					
3	MW-002	MW-002_FP_060321	7.5-8.5	06/03/2021	PHI
4	MW-008	MW-008_FP_060321	8.75-10.25	06/03/2021	

Notes:
bgs - below ground surface
LNAPL - Light Non-Aqueous Phase Liquid
PCB - Polychlorinated Biphenyl
PHI - Petroleum Hydrocarbon Identification
SVOC - Semi-Volatile Organic Compound
VOC - Volatile Organic Compound

Table 2
Phase I Remedial Investigation Report
Sediment Sample Analytical Results

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Analyte	CAS Number	Restricted Use Restricted-Residential SCOs	Restricted Use Commercial SCOs	Location	CS01	CS02
				Sample Name	CS01_060321	CS02_060321
				Sample Date	06/03/2021	06/03/2021
				Sample Depth (feet bgs)	0-1	0-1
				Unit	Result	Result
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	mg/kg	<0.00065 U	<0.00084 UJ
1,1,1-Trichloroethane	71-55-6	100	500	mg/kg	<0.00065 U	<0.00084 UJ
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	mg/kg	<0.00065 U	<0.00084 UJ
1,1,2-Trichloroethane	79-00-5	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
1,1-Dichloroethane	75-34-3	26	240	mg/kg	<0.0013 U	<0.0017 UJ
1,1-Dichloroethene	75-35-4	100	500	mg/kg	<0.0013 U	<0.0017 UJ
1,1-Dichloropropene	563-58-6	NS	NS	mg/kg	<0.00065 U	<0.00084 UJ
1,2,3-Trichlorobenzene	87-61-6	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
1,2,3-Trichloropropane	96-18-4	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
1,2,4-Trichlorobenzene	120-82-1	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
1,2,4-Trimethylbenzene	95-63-6	52	190	mg/kg	<0.0026 U	<0.0033 UJ
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	mg/kg	<0.0039 U	<0.005 UJ
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
1,2-Dichlorobenzene	95-50-1	100	500	mg/kg	<0.0026 U	<0.0033 UJ
1,2-Dichloroethane	107-06-2	3.1	30	mg/kg	<0.0013 U	<0.0017 UJ
1,2-Dichloropropane	78-87-5	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	52	190	mg/kg	<0.0026 U	<0.0033 UJ
1,3-Dichlorobenzene	541-73-1	49	280	mg/kg	<0.0026 U	<0.0033 UJ
1,3-Dichloropropane	142-28-9	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
1,4-Dichlorobenzene	106-46-7	13	130	mg/kg	<0.0026 U	<0.0033 UJ
1,4-Diethyl Benzene	105-05-5	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
1,4-Dioxane (P-Dioxane)	123-91-1	13	130	mg/kg	<0.1 U	<0.13 UJ
2,2-Dichloropropane	594-20-7	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
2-Chlorotoluene	95-49-8	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
2-Hexanone (MBK)	591-78-6	NS	NS	mg/kg	<0.013 U	<0.017 UJ
4-Chlorotoluene	106-43-4	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
4-Ethyltoluene	622-96-8	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Acetone	67-64-1	100	500	mg/kg	<0.013 U	<0.017 UJ
Acrylonitrile	107-13-1	NS	NS	mg/kg	<0.0052 U	<0.0067 UJ
Benzene	71-43-2	4.8	44	mg/kg	<0.00065 U	<0.00084 UJ
Bromobenzene	108-86-1	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Bromochloromethane	74-97-5	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Bromodichloromethane	75-27-4	NS	NS	mg/kg	<0.00065 U	<0.00084 UJ
Bromoform	75-25-2	NS	NS	mg/kg	<0.0052 U	<0.0067 UJ
Bromomethane	74-83-9	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Carbon Disulfide	75-15-0	NS	NS	mg/kg	<0.013 U	<0.017 UJ
Carbon Tetrachloride	56-23-5	2.4	22	mg/kg	<0.0013 U	<0.0017 UJ
Chlorobenzene	108-90-7	100	500	mg/kg	<0.00065 U	<0.00084 UJ
Chloroethane	75-00-3	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Chloroform	67-66-3	49	350	mg/kg	<0.0019 U	<0.0025 UJ
Chloromethane	74-87-3	NS	NS	mg/kg	<0.0052 U	<0.0067 UJ
Cis-1,2-Dichloroethene	156-59-2	100	500	mg/kg	<0.0013 U	<0.0017 UJ
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	mg/kg	<0.00065 U	<0.00084 UJ
Cymene	99-87-6	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
Dibromochloromethane	124-48-1	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
Dibromomethane	74-95-3	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Dichlorodifluoromethane	75-71-8	NS	NS	mg/kg	<0.013 U	<0.017 UJ
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Ethylbenzene	100-41-4	41	390	mg/kg	<0.0013 U	<0.0017 UJ
Hexachlorobutadiene	87-68-3	NS	NS	mg/kg	<0.0052 U	<0.0067 UJ
Isopropylbenzene (Cumene)	98-82-8	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
M,P-Xylene	179601-23-1	NS	NS	mg/kg	<0.0026 U	<0.0033 UJ
Methyl Ethyl Ketone (2-Butanone)	78-93-3	100	500	mg/kg	<0.013 U	<0.017 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	108-10-1	NS	NS	mg/kg	<0.013 U	<0.017 UJ
Methylene Chloride	75-09-2	100	500	mg/kg	<0.0065 U	<0.0084 UJ
Naphthalene	91-20-3	100	500	mg/kg	<0.0052 U	<0.0067 UJ
n-Butylbenzene	104-51-8	100	500	mg/kg	<0.0013 U	<0.0017 UJ
n-Propylbenzene	103-65-1	100	500	mg/kg	<0.0013 U	<0.0017 UJ
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
Sec-Butylbenzene	135-98-8	100	500	mg/kg	<0.0013 U	<0.0017 UJ
Styrene	100-42-5	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
T-Butylbenzene	98-06-6	100	500	mg/kg	<0.0026 U	<0.0033 UJ
Tert-Butyl Methyl Ether	1634-04-4	100	500	mg/kg	<0.0026 U	<0.0033 UJ
Tetrachloroethene (PCE)	127-18-4	19	150	mg/kg	<0.00065 U	0.00037 J
Toluene	108-88-3	100	500	mg/kg	<0.0013 U	<0.0017 UJ
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
Total Xylenes	1330-20-7	100	500	mg/kg	<0.0013 U	<0.0017 UJ
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	mg/kg	<0.00065 U	<0.00084 UJ
Trans-1,2-Dichloroethene	156-60-5	100	500	mg/kg	<0.0019 U	<0.0025 UJ
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	mg/kg	<0.0013 U	<0.0017 UJ
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	mg/kg	<0.0065 U	<0.0084 UJ
Trichloroethene (TCE)	79-01-6	21	200	mg/kg	<0.00065 U	<0.00084 UJ
Trichlorofluoromethane	75-69-4	NS	NS	mg/kg	<0.0052 U	<0.0067 UJ
Vinyl Acetate	108-05-4	NS	NS	mg/kg	<0.013 U	<0.017 UJ
Vinyl Chloride	75-01-4	0.9	13	mg/kg	<0.0013 U	<0.0017 UJ

Table 2
Phase I Remedial Investigation Report
Sediment Sample Analytical Results

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Analyte	CAS Number	Restricted Use Restricted-Residential SCOs	Restricted Use Commercial SCOs	Location	CS01	CS02
				Sample Name	CS01_060321	CS02_060321
				Sample Date	06/03/2021	06/03/2021
				Sample Depth (feet bgs)	0-1	0-1
				Unit	Result	Result
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	mg/kg	<2 U	<0.71 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	mg/kg	<2 U	<0.71 U
1,2-Dichlorobenzene	95-50-1	100	500	mg/kg	<2 U	<0.71 U
1,3-Dichlorobenzene	541-73-1	49	280	mg/kg	<2 U	<0.71 U
1,4-Dichlorobenzene	106-46-7	13	130	mg/kg	<2 U	0.22 J
1,4-Dioxane (P-Dioxane)	123-91-1	13	130	mg/kg	<0.3 U	<0.11 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	mg/kg	<2 U	<0.71 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	mg/kg	<1.2 U	<0.43 U
2,4-Dichlorophenol	120-83-2	NS	NS	mg/kg	<1.8 U	<0.64 U
2,4-Dimethylphenol	105-67-9	NS	NS	mg/kg	<2 U	<0.71 U
2,4-Dinitrophenol	51-28-5	NS	NS	mg/kg	<9.7 U	<3.4 U
2,4-Dinitrotoluene	121-14-2	NS	NS	mg/kg	<2 U	<0.71 U
2,6-Dinitrotoluene	606-20-2	NS	NS	mg/kg	<2 U	<0.71 U
2-Chloronaphthalene	91-58-7	NS	NS	mg/kg	<2 U	<0.71 U
2-Chlorophenol	95-57-8	NS	NS	mg/kg	<2 U	<0.71 U
2-Methylnaphthalene	91-57-6	NS	NS	mg/kg	1.6 J	0.63 J
2-Methylphenol (o-Cresol)	95-48-7	100	500	mg/kg	<2 U	<0.71 U
2-Nitroaniline	88-74-4	NS	NS	mg/kg	<2 U	<0.71 U
2-Nitrophenol	88-75-5	NS	NS	mg/kg	<4.4 U	<1.5 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	100	500	mg/kg	<2.9 U	0.34 J
3,3'-Dichlorobenzidine	91-94-1	NS	NS	mg/kg	<2 U	<0.71 U
3-Nitroaniline	99-09-2	NS	NS	mg/kg	<2 U	<0.71 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	mg/kg	<5.3 U	<1.8 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	mg/kg	<2 U	<0.71 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	mg/kg	<2 U	<0.71 U
4-Chloroaniline	106-47-8	NS	NS	mg/kg	<2 U	<0.71 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	mg/kg	<2 U	<0.71 U
4-Nitroaniline	100-01-6	NS	NS	mg/kg	<2 U	<0.71 U
4-Nitrophenol	100-02-7	NS	NS	mg/kg	<2.8 U	<1 U
Acenaphthene	83-32-9	100	500	mg/kg	4.3	1.4
Acenaphthylene	208-96-8	100	500	mg/kg	<1.6 U	0.6
Acetophenone	98-86-2	NS	NS	mg/kg	<2 U	0.6 J
Anthracene	120-12-7	100	500	mg/kg	8.3	3.9
Benzo(a)anthracene	56-55-3	**1**	5.6	mg/kg	**13**	**9.4**
Benzo(a)pyrene	50-32-8	**1**	1	mg/kg	**10**	**9.3**
Benzo(b)fluoranthene	205-99-2	**1**	5.6	mg/kg	**13**	**12**
Benzo(g,h,i)Perylene	191-24-2	100	500	mg/kg	7.4	8.8
Benzo(k)fluoranthene	207-08-9	**3.9**	56	mg/kg	**14**	3.7
Benzoic Acid	65-85-0	NS	NS	mg/kg	<6.6 U	2.4
Benzyl Alcohol	100-51-6	NS	NS	mg/kg	<2 U	<0.71 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	mg/kg	<2 U	2
Biphenyl (Diphenyl)	92-52-4	NS	NS	mg/kg	0.52 J	0.21 J
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	mg/kg	<2.2 U	<0.77 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	mg/kg	<1.8 U	<0.64 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	mg/kg	<2.4 U	<0.86 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	mg/kg	<2 U	4.3
Carbazole	86-74-8	NS	NS	mg/kg	3.9	1.8
Chrysene	218-01-9	**3.9**	56	mg/kg	**12**	**11**
Dibenz(a,h)anthracene	53-70-3	**0.33**	0.56	mg/kg	**1.7**	**2.3**
Dibenzofuran	132-64-9	59	350	mg/kg	4	1.1
Dibutyl phthalate	84-74-2	NS	NS	mg/kg	<2 U	0.45 J
Diethyl phthalate	84-66-2	NS	NS	mg/kg	<2 U	<0.71 U
Dimethyl phthalate	131-11-3	NS	NS	mg/kg	<2 U	<0.71 U
Dioctyl phthalate	117-84-0	NS	NS	mg/kg	<2 U	<0.71 U
Fluoranthene	206-44-0	100	500	mg/kg	32	21
Fluorene	86-73-7	100	500	mg/kg	3.7	1
Hexachlorobenzene	118-74-1	1.2	6	mg/kg	<1.2 U	<0.43 U
Hexachlorobutadiene	87-68-3	NS	NS	mg/kg	<2 U	<0.71 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	mg/kg	<5.8 U	<2 U
Hexachloroethane	67-72-1	NS	NS	mg/kg	<1.6 U	<0.57 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	5.6	mg/kg	**7.6**	**6.6**
Isophorone	78-59-1	NS	NS	mg/kg	<1.8 U	<0.64 U
Naphthalene	91-20-3	100	500	mg/kg	4	0.95
Nitrobenzene	98-95-3	NS	NS	mg/kg	<1.8 U	<0.64 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	mg/kg	<2 U	<0.71 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	mg/kg	<1.6 U	<0.57 U
Pentachlorophenol	87-86-5	6.7	6.7	mg/kg	<1.6 U	<0.57 U
Phenanthrene	85-01-8	100	500	mg/kg	38	19
Phenol	108-95-2	100	500	mg/kg	<2 U	<0.71 U
Pyrene	129-00-0	100	500	mg/kg	26	17

Table 2
Phase I Remedial Investigation Report
Sediment Sample Analytical Results

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Analyte	CAS Number	Restricted Use Restricted-Residential SCOs	Restricted Use Commercial SCOs	Location	CS01	CS02
				Sample Name	CS01_060321	CS02_060321
				Sample Date	06/03/2021	06/03/2021
				Sample Depth (feet bgs)	0-1	0-1
				Unit	Result	Result
Polychlorinated Biphenyl						
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	mg/kg	<0.0398 U	<0.237 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	mg/kg	<0.0398 U	<0.237 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	mg/kg	<0.0398 U	<0.237 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	mg/kg	<0.0398 U	<0.237 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	mg/kg	<0.0398 U	<0.237 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	mg/kg	0.0405	0.131 J
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	mg/kg	0.0409	0.106 J
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	mg/kg	<0.0398 U	<0.237 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	mg/kg	<0.0398 U	<0.237 U
Total PCBs	1336-36-3	1	1	mg/kg	0.0814	0.237 J
Metals						
Aluminum	7429-90-5	NS	NS	mg/kg	3,700	6,390
Antimony	7440-36-0	NS	NS	mg/kg	7.47	12.6
Arsenic	7440-38-2	16	16	mg/kg	7.26	9.87
Barium	7440-39-3	400	400	mg/kg	118	332
Beryllium	7440-41-7	72	590	mg/kg	0.159 J	0.321 J
Cadmium	7440-43-9	**4.3**	9.3	mg/kg	3.04	**13.2**
Calcium	7440-70-2	NS	NS	mg/kg	14,800	17,500
Chromium, Total	7440-47-3	NS	NS	mg/kg	154	242
Cobalt	7440-48-4	NS	NS	mg/kg	7.18	10.4
Copper	7440-50-8	**270**	270	mg/kg	**945**	260
Iron	7439-89-6	NS	NS	mg/kg	33,300	32,700
Lead	7439-92-1	**400**	1000	mg/kg	**716**	**1,190**
Magnesium	7439-95-4	NS	NS	mg/kg	7,760	9,510
Manganese	7439-96-5	2000	10000	mg/kg	264	295
Mercury	7439-97-6	0.81	2.8	mg/kg	0.254	0.643
Nickel	7440-02-0	310	310	mg/kg	29.4	51.1
Potassium	7440-09-7	NS	NS	mg/kg	350	510
Selenium	7782-49-2	180	1500	mg/kg	<1.99 U	<2.29 U
Silver	7440-22-4	180	1500	mg/kg	<0.997 U	0.424 J
Sodium	7440-23-5	NS	NS	mg/kg	<199 U	284
Thallium	7440-28-0	NS	NS	mg/kg	<1.99 U	<2.29 U
Vanadium	7440-62-2	NS	NS	mg/kg	26.2	47.5
Zinc	7440-66-6	10000	10000	mg/kg	963	2,530
General Chemistry						
Total Solids	TSOLID	NS	NS	Percent	80	68.5

Table 2
Phase II Remedial Investigation Report
Soil Sample Analytical Results

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Notes:

CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
RL - Reporting limit
bgs - below grounds surface)
Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential (RURR) and Restricted Use - Commercial (RUC) Soil Cleanup Objectives (SCO).
Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
UJ - The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds Restricted Use Restricted-Residential SCOs
10 - Result exceeds Restricted Use Commercial SCOs

Table 3
Phase II Remedial Investigation Report
LNAPL Sample Analytical Results

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Analyte	CAS Number	Location	MW-002	MW-008
		Sample Name	MW-002_FP_060321	MW-008_FP_060321
		Sample Date	06/03/2021	06/03/2021
		Sample Depth (feet bgs)	7.5-8.5	8.75-10.25
		Unit	Result	Result
Petroleum Hydrocarbons				
Petroleum Hydrocarbons (C09-C44)	PHCC9C44	mg/kg	861000 J	906000

Notes:
bgs - below ground surface
CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligrams per kilogram
RL - Reporting limit
LNAPL - Light Non-Aqueous Phase Liquid

Qualifiers:
J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

Table 4
Phase II Remedial Investigation Report
Monitoring Well Gauging Summary

145-165 Wolcott Street
Red Hook, NY
BCP Site No.: C224256
Langan Project No.: 170562201

Date Gauged	Well Location	Well Diameter (in.)	Photoionization Detector Reading (ppm)	Depth to Product (feet bTOC)	LNAPL Thickness (feet)	Depth to Groundwater (feet bTOC)
6/3/2021	MW-001	2	5.2	-	-	11.52
6/3/2021	MW-002	2	84.8	7.44	0.90	8.34
6/1/2021	MW-003	2	12.8	-	-	10.57
6/3/2021	MW-004	2	16.1	-	-	11.86
6/1/2021	MW-005	2	3.0	-	-	11.99
6/3/2021	MW-006	2	0.0	-	-	11.38
6/3/2021	MW-008	2	123.0	8.78	1.48	10.26
6/2/2021	MW-009	2	0.0	-	-	8.17
6/2/2021	MW-010	2	0.0	-	-	8.34
6/1/2021	MW-011	2	0.0	-	-	8.17

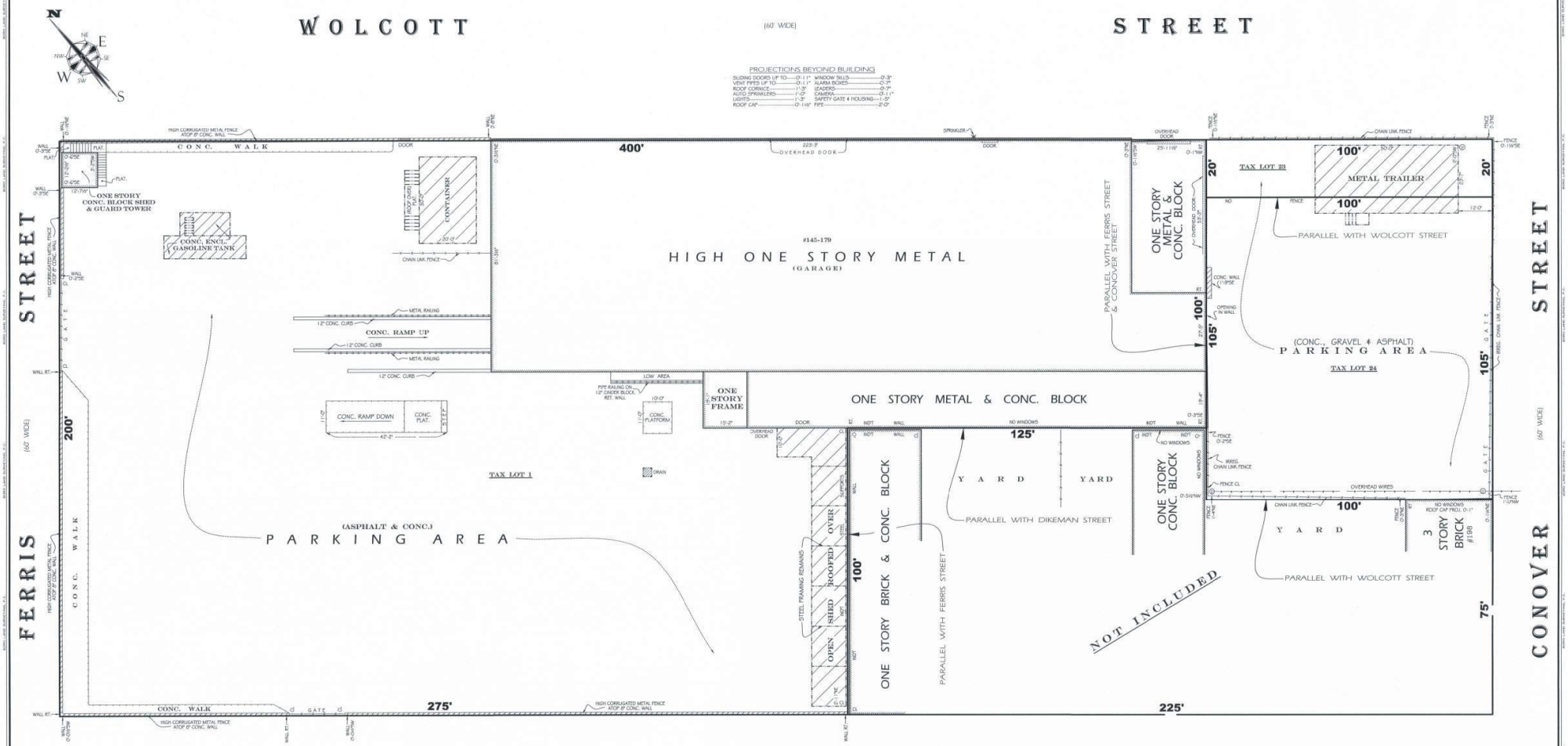
Notes:
bTOC - Below Top of Casing
LNAPL - Light Non-Aqueous Phase Liquid
NA - Not Available
MW-007 was inaccessible for groundwater measurements due to obstruction by site materials

APPENDIX A

Site Survey

15040843 (K574-1,23&24)

TITLE No. 3020-726558



NOTE:
TO PROVIDE CLARITY, CERTAIN DIMENSIONS, FEATURES AND/OR LOCATIONS ARE NOT DRAWN TO SCALE.

"MARINE TERMINAL LEASE AGREEMENT" MADE 06-30-74 BETWEEN THE CITY OF NEW YORK & THE PORT AUTHORITY OF NEW YORK & NEW JERSEY RECORDED IN REEL 873 CP 769 (NOT ABLE TO PLOT)

BLOCK: 574
LOT: 1, 23 & 24
SECTION:
COUNTY: KINGS
DWG BY: FAHEEM SANDHU
CHK'D BY:

SURVEYED
APRIL 3, 2015

GRAPHIC SCALE
0' 5' 10' 25' 50'
SCALE: 1"=16'

VINCENT J. DICCE L.S. Pres.

CERTIFIED ONLY TO:
(SURVEY TO BE USED SOLELY FOR TITLE PURPOSES.) (NOT TO BE USED FOR THE ISSUANCE OF STRUCTURES.)
"FIRST AMERICAN TITLE INSURANCE COMPANY"

BORO LAND SURVEYING, P.C.
353 COURT STREET
BROOKLYN, N.Y. 11231
TEL. (718) 624-BORO (2676)

APPENDIX B

Previous Environmental Reports and Regulatory Correspondence

APPENDIX C

Community Air Monitoring Plan Data

LANGAN

145 Wolcott Street
170562201
CAMP Data Summary

Date: 6/1/2021
Observer: Farielle Brazier

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.020	0.013
Maximum 15min Average	0.049	0.056
High Intervals "exceedances"	N/A	0
Minimum 1min Reading	0.019	0.011
Maximum 1min Reading	0.063	0.146

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.2	0.0
Maximum 15min Average	0.3	0.2
High Intervals "exceedances"	N/A	0
Minimum 1min Reading	0.2	0.0
Maximum 1min Reading	0.4	0.3

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

Tuesday, June 1, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						382
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
7:57	0.063		7:57	0.033		
7:58	0.044		7:58	0.034		
7:59	0.043		7:59	0.039		
8:00	0.043		8:00	0.032		
8:01	0.042		8:01	0.032		
8:02	0.06		8:02	0.032		
8:03	0.042		8:03	0.032		
8:04	0.042		8:04	0.036		
8:05	0.042		8:05	0.037		
8:06	0.054		8:06	0.04		
8:07	0.043		8:07	0.033		
8:08	0.046		8:08	0.031		
8:09	0.042		8:09	0.036		
8:10	0.042		8:10	0.038		
8:11	0.043	0.046	8:11	0.035	0.035	-
8:12	0.048	0.045	8:12	0.037	0.035	-
8:13	0.046	0.045	8:13	0.036	0.035	-
8:14	0.045	0.045	8:14	0.038	0.035	-
8:15	0.052	0.046	8:15	0.039	0.035	-
8:16	0.052	0.047	8:16	0.044	0.036	-
8:17	0.047	0.046	8:17	0.04	0.037	-
8:18	0.045	0.046	8:18	0.037	0.037	-
8:19	0.045	0.046	8:19	0.038	0.037	-
8:20	0.047	0.046	8:20	0.037	0.037	-
8:21	0.049	0.046	8:21	0.038	0.037	-
8:22	0.049	0.047	8:22	0.04	0.038	-
8:23	0.05	0.047	8:23	0.04	0.038	-
8:24	0.05	0.047	8:24	0.046	0.039	-
8:25	0.051	0.048	8:25	0.041	0.039	-
8:26	0.05	0.048	8:26	0.044	0.040	-
8:27	0.049	0.048	8:27	0.043	0.040	-
8:28	0.049	0.049	8:28	0.043	0.041	-
8:29	0.049	0.049	8:29	0.043	0.041	-
8:30	0.05	0.049	8:30	0.042	0.041	-
8:31	0.05	0.049	8:31	0.042	0.041	-
8:32	0.049	0.049	8:32	0.042	0.041	-
8:33	0.049	0.049	8:33	0.042	0.041	-
8:34	0.049	0.049	8:34	0.041	0.042	-
8:35	0.048	0.049	8:35	0.041	0.042	-
8:36	0.048	0.049	8:36	0.041	0.042	-
8:37	0.049	0.049	8:37	0.04	0.042	-
8:38	0.049	0.049	8:38	0.041	0.042	-
8:39	0.05	0.049	8:39	0.041	0.042	-
8:40	0.049	0.049	8:40	0.041	0.042	-
8:41	0.049	0.049	8:41	0.043	0.042	-
8:42	0.05	0.049	8:42	0.043	0.042	-
8:43	0.049	0.049	8:43	0.043	0.042	-
8:44	0.049	0.049	8:44	0.041	0.042	-
8:45	0.049	0.049	8:45	0.042	0.042	-
8:46	0.05	0.049	8:46	0.043	0.042	-
8:47	0.048	0.049	8:47	0.043	0.042	-
8:48	0.048	0.049	8:48	0.042	0.042	-
8:49	0.047	0.049	8:49	0.041	0.042	-
8:50	0.046	0.049	8:50	0.04	0.042	-
8:51	0.046	0.049	8:51	0.039	0.042	-
8:52	0.046	0.048	8:52	0.039	0.041	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
8:53	0.047	0.048	8:53	0.038	0.041	-
8:54	0.048	0.048	8:54	0.039	0.041	-
8:55	0.047	0.048	8:55	0.038	0.041	-
8:56	0.044	0.048	8:56	0.038	0.041	-
8:57	0.044	0.047	8:57	0.037	0.040	-
8:58	0.043	0.047	8:58	0.037	0.040	-
8:59	0.044	0.046	8:59	0.036	0.039	-
9:00	0.043	0.046	9:00	0.035	0.039	-
9:01	0.043	0.046	9:01	0.035	0.038	-
9:02	0.043	0.045	9:02	0.035	0.038	-
9:03	0.043	0.045	9:03	0.034	0.037	-
9:04	0.043	0.045	9:04	0.034	0.037	-
9:05	0.043	0.044	9:05	0.034	0.037	-
9:06	0.043	0.044	9:06	0.034	0.036	-
9:07	0.044	0.044	9:07	0.034	0.036	-
9:08	0.044	0.044	9:08	0.033	0.036	-
9:09	0.043	0.044	9:09	0.035	0.035	-
9:10	0.044	0.043	9:10	0.035	0.035	-
9:11	0.044	0.043	9:11	0.034	0.035	-
9:12	0.043	0.043	9:12	0.034	0.035	-
9:13	0.041	0.043	9:13	0.034	0.034	-
9:14	0.041	0.043	9:14	0.045	0.035	-
9:15	0.041	0.043	9:15	0.035	0.035	-
9:16	0.04	0.043	9:16	0.032	0.035	-
9:17	0.041	0.043	9:17	0.031	0.035	-
9:18	0.041	0.042	9:18	0.032	0.034	-
9:19	0.041	0.042	9:19	0.034	0.034	-
9:20	0.04	0.042	9:20	0.032	0.034	-
9:21	0.04	0.042	9:21	0.031	0.034	-
9:22	0.04	0.042	9:22	0.031	0.034	-
9:23	0.04	0.041	9:23	0.032	0.034	-
9:24	0.041	0.041	9:24	0.033	0.034	-
9:25	0.042	0.041	9:25	0.032	0.033	-
9:26	0.041	0.041	9:26	0.032	0.033	-
9:27	0.043	0.041	9:27	0.032	0.033	-
9:28	0.041	0.041	9:28	0.034	0.033	-
9:29	0.04	0.041	9:29	0.032	0.032	-
9:30	0.039	0.041	9:30	0.031	0.032	-
9:31	0.039	0.041	9:31	0.029	0.032	-
9:32	0.04	0.041	9:32	0.03	0.032	-
9:33	0.039	0.040	9:33	0.03	0.032	-
9:34	0.039	0.040	9:34	0.03	0.031	-
9:35	0.04	0.040	9:35	0.031	0.031	-
9:36	0.04	0.040	9:36	0.03	0.031	-
9:37	0.039	0.040	9:37	0.03	0.031	-
9:38	0.039	0.040	9:38	0.03	0.031	-
9:39	0.04	0.040	9:39	0.029	0.031	-
9:40	0.04	0.040	9:40	0.029	0.031	-
9:41	0.04	0.040	9:41	0.029	0.030	-
9:42	0.04	0.040	9:42	0.03	0.030	-
9:43	0.04	0.040	9:43	0.031	0.030	-
9:44	0.039	0.040	9:44	0.031	0.030	-
9:45	0.04	0.040	9:45	0.03	0.030	-
9:46	0.04	0.040	9:46	0.031	0.030	-
9:47	0.039	0.040	9:47	0.029	0.030	-
9:48	0.038	0.040	9:48	0.03	0.030	-
9:49	0.039	0.040	9:49	0.03	0.030	-
9:50	0.039	0.039	9:50	0.029	0.030	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
9:51	0.039	0.039	9:51	0.029	0.030	-
9:52	0.04	0.039	9:52	0.03	0.030	-
9:53	0.042	0.040	9:53	0.03	0.030	-
9:54	0.042	0.040	9:54	0.031	0.030	-
9:55	0.042	0.040	9:55	0.031	0.030	-
9:56	0.044	0.040	9:56	0.031	0.030	-
9:57	0.042	0.040	9:57	0.032	0.030	-
9:58	0.039	0.040	9:58	0.034	0.031	-
9:59	0.038	0.040	9:59	0.032	0.031	-
10:00	0.039	0.040	10:00	0.03	0.031	-
10:01	0.039	0.040	10:01	0.028	0.030	-
10:02	0.04	0.040	10:02	0.028	0.030	-
10:03	0.04	0.040	10:03	0.029	0.030	-
10:04	0.039	0.040	10:04	0.029	0.030	-
10:05	0.041	0.040	10:05	0.029	0.030	-
10:06	0.039	0.040	10:06	0.029	0.030	-
10:07	0.039	0.040	10:07	0.029	0.030	-
10:08	0.038	0.040	10:08	0.028	0.030	-
10:09	0.037	0.040	10:09	0.028	0.030	-
10:10	0.037	0.039	10:10	0.026	0.029	-
10:11	0.037	0.039	10:11	0.026	0.029	-
10:12	0.037	0.039	10:12	0.026	0.029	-
10:13	0.038	0.039	10:13	0.026	0.028	-
10:14	0.038	0.039	10:14	0.028	0.028	-
10:15	0.038	0.038	10:15	0.027	0.028	-
10:16	0.039	0.038	10:16	0.028	0.028	-
10:17	0.042	0.039	10:17	0.027	0.028	-
10:18	0.041	0.039	10:18	0.027	0.028	-
10:19	0.042	0.039	10:19	0.028	0.027	-
10:20	0.044	0.039	10:20	0.029	0.027	-
10:21	0.041	0.039	10:21	0.039	0.028	-
10:22	0.04	0.039	10:22	0.09	0.032	-
10:23	0.037	0.039	10:23	0.033	0.033	-
10:24	0.034	0.039	10:24	0.029	0.033	-
10:25	0.033	0.039	10:25	0.03	0.033	-
10:26	0.032	0.038	10:26	0.028	0.033	-
10:27	0.033	0.038	10:27	0.024	0.033	-
10:28	0.032	0.038	10:28	0.026	0.033	-
10:29	0.032	0.037	10:29	0.023	0.033	-
10:30	0.032	0.037	10:30	0.021	0.032	-
10:31	0.033	0.037	10:31	0.033	0.032	-
10:32	0.032	0.036	10:32	0.033	0.033	-
10:33	0.033	0.035	10:33	0.053	0.035	-
10:34	0.033	0.035	10:34	0.058	0.037	-
10:35	0.032	0.034	10:35	0.063	0.039	-
10:36	0.032	0.033	10:36	0.059	0.040	-
10:37	0.032	0.033	10:37	0.071	0.039	-
10:38	0.031	0.032	10:38	0.086	0.042	-
10:39	0.031	0.032	10:39	0.054	0.044	-
10:40	0.032	0.032	10:40	0.071	0.047	-
10:41	0.032	0.032	10:41	0.107	0.052	-
10:42	0.033	0.032	10:42	0.077	0.056	-
10:43	0.032	0.032	10:43	0.028	0.056	-
10:44	0.031	0.032	10:44	0.028	0.056	-
10:45	0.032	0.032	10:45	0.024	0.056	-
10:46	0.031	0.032	10:46	0.023	0.056	-
10:47	0.031	0.032	10:47	0.028	0.055	-
10:48	0.03	0.032	10:48	0.025	0.053	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
10:49	0.031	0.032	10:49	0.026	0.051	-
10:50	0.032	0.032	10:50	0.059	0.051	-
10:51	0.032	0.032	10:51	0.043	0.050	-
10:52	0.032	0.032	10:52	0.024	0.047	-
10:53	0.029	0.031	10:53	0.021	0.043	-
10:54	0.028	0.031	10:54	0.02	0.040	-
10:55	0.029	0.031	10:55	0.02	0.037	-
10:56	0.029	0.031	10:56	0.035	0.032	-
10:57	0.029	0.031	10:57	0.031	0.029	-
10:58	0.028	0.030	10:58	0.032	0.029	-
10:59	0.028	0.030	10:59	0.024	0.029	-
11:00	0.029	0.030	11:00	0.02	0.029	-
11:01	0.029	0.030	11:01	0.017	0.028	-
11:02	0.029	0.030	11:02	0.019	0.028	-
11:03	0.028	0.029	11:03	0.023	0.028	-
11:04	0.028	0.029	11:04	0.03	0.028	-
11:05	0.028	0.029	11:05	0.027	0.026	-
11:06	0.028	0.029	11:06	0.046	0.026	-
11:07	0.028	0.028	11:07	0.026	0.026	-
11:08	0.028	0.028	11:08	0.019	0.026	-
11:09	0.03	0.029	11:09	0.018	0.026	-
11:10	0.029	0.029	11:10	0.018	0.026	-
11:11	0.029	0.029	11:11	0.017	0.024	-
11:12	0.031	0.029	11:12	0.033	0.025	-
11:13	0.03	0.029	11:13	0.043	0.025	-
11:14	0.029	0.029	11:14	0.029	0.026	-
11:15	0.031	0.029	11:15	0.018	0.026	-
11:16	0.032	0.029	11:16	0.018	0.026	-
11:17	0.03	0.029	11:17	0.025	0.026	-
11:18	0.028	0.029	11:18	0.021	0.026	-
11:19	0.028	0.029	11:19	0.021	0.025	-
11:20	0.027	0.029	11:20	0.019	0.025	-
11:21	0.027	0.029	11:21	0.017	0.023	-
11:22	0.027	0.029	11:22	0.016	0.022	-
11:23	0.028	0.029	11:23	0.016	0.022	-
11:24	0.027	0.029	11:24	0.075	0.026	-
11:25	0.025	0.029	11:25	0.034	0.027	-
11:26	0.024	0.028	11:26	0.022	0.027	-
11:27	0.024	0.028	11:27	0.016	0.026	-
11:28	0.023	0.027	11:28	0.014	0.024	-
11:29	0.024	0.027	11:29	0.013	0.023	-
11:30	0.024	0.027	11:30	0.013	0.023	-
11:31	0.025	0.026	11:31	0.012	0.022	-
11:32	0.027	0.026	11:32	0.019	0.022	-
11:33	0.028	0.026	11:33	0.053	0.024	-
11:34	0.024	0.026	11:34	0.032	0.025	-
11:35	0.024	0.025	11:35	0.035	0.026	-
11:36	0.024	0.025	11:36	0.018	0.026	-
11:37	0.024	0.025	11:37	0.018	0.026	-
11:38	0.023	0.025	11:38	0.024	0.027	-
11:39	0.024	0.024	11:39	0.023	0.023	-
11:40	0.025	0.024	11:40	0.016	0.022	-
11:41	0.027	0.025	11:41	0.017	0.022	-
11:42	0.025	0.025	11:42	0.026	0.022	-
11:43	0.024	0.025	11:43	0.021	0.023	-
11:44	0.023	0.025	11:44	0.029	0.024	-
11:45	0.023	0.025	11:45	0.022	0.024	-
11:46	0.023	0.025	11:46	0.019	0.025	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
11:47	0.024	0.024	11:47	0.015	0.025	-
11:48	0.024	0.024	11:48	0.017	0.022	-
11:49	0.024	0.024	11:49	0.017	0.021	-
11:50	0.025	0.024	11:50	0.014	0.020	-
11:51	0.025	0.024	11:51	0.018	0.020	-
11:52	0.024	0.024	11:52	0.016	0.020	-
11:53	0.023	0.024	11:53	0.018	0.019	-
11:54	0.023	0.024	11:54	0.017	0.019	-
11:55	0.024	0.024	11:55	0.02	0.019	-
11:56	0.026	0.024	11:56	0.02	0.019	-
11:57	0.024	0.024	11:57	0.025	0.019	-
11:58	0.022	0.024	11:58	0.032	0.020	-
11:59	0.022	0.024	11:59	0.026	0.020	-
12:00	0.022	0.024	12:00	0.021	0.020	-
12:01	0.022	0.024	12:01	0.05	0.022	-
12:02	0.022	0.023	12:02	0.021	0.022	-
12:03	0.02	0.023	12:03	0.019	0.022	-
12:04	0.02	0.023	12:04	0.012	0.022	-
12:05	0.02	0.023	12:05	0.011	0.022	-
12:06	0.02	0.022	12:06	0.011	0.021	-
12:07	0.023	0.022	12:07	0.012	0.021	-
12:08	0.023	0.022	12:08	0.011	0.021	-
12:09	0.022	0.022	12:09	0.038	0.022	-
12:10	0.02	0.022	12:10	0.024	0.022	-
12:11	0.019	0.021	12:11	0.014	0.022	-
12:12	0.019	0.021	12:12	0.012	0.021	-
12:13	0.02	0.021	12:13	0.011	0.020	-
12:14	0.02	0.021	12:14	0.011	0.019	-
12:15	0.02	0.021	12:15	0.011	0.018	-
12:16	0.021	0.021	12:16	0.012	0.015	-
12:17	0.02	0.020	12:17	0.012	0.015	-
12:18	0.02	0.020	12:18	0.012	0.014	-
12:19	0.02	0.020	12:19	0.012	0.014	-
12:20	0.02	0.020	12:20	0.011	0.014	-
12:21	0.021	0.021	12:21	0.012	0.014	-
12:22	0.021	0.020	12:22	0.013	0.014	-
12:23	0.02	0.020	12:23	0.014	0.015	-
12:24	0.02	0.020	12:24	0.017	0.013	-
12:25	0.021	0.020	12:25	0.016	0.013	-
12:26	0.02	0.020	12:26	0.014	0.013	-
12:27	0.022	0.020	12:27	0.018	0.013	-
12:28	0.023	0.021	12:28	0.018	0.014	-
12:29	0.025	0.021	12:29	0.023	0.014	-
12:30	0.025	0.021	12:30	0.028	0.015	-
12:31	0.023	0.021	12:31	0.019	0.016	-
12:32	0.022	0.022	12:32	0.146	0.025	-
12:33	0.022	0.022	12:33	0.087	0.030	-
12:34	0.024	0.022	12:34	0.035	0.031	-
12:35	0.024	0.022	12:35	0.056	0.034	-
12:36	0.025	0.022	12:36	0.049	0.037	-
12:37	0.023	0.023	12:37	0.033	0.038	-
12:38	0.023	0.023	12:38	0.052	0.041	-
12:39	0.023	0.023	12:39	0.051	0.043	-
12:40	0.021	0.023	12:40	0.026	0.044	-
12:41	0.021	0.023	12:41	0.026	0.044	-
12:42	0.021	0.023	12:42	0.031	0.045	-
12:43	0.02	0.023	12:43	0.067	0.049	-
12:44	0.021	0.023	12:44	0.03	0.049	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:45	0.024	0.022	12:45	0.032	0.049	-
12:46	0.023	0.022	12:46	0.041	0.051	-
12:47	0.022	0.022	12:47	0.041	0.044	-
12:48	0.022	0.022	12:48	0.028	0.040	-
12:49	0.023	0.022	12:49	0.031	0.040	-
12:50	0.021	0.022	12:50	0.032	0.038	-
12:51	0.024	0.022	12:51	0.016	0.036	-
12:52	0.023	0.022	12:52	0.021	0.035	-
12:53	0.021	0.022	12:53	0.016	0.033	-
12:54	0.024	0.022	12:54	0.017	0.030	-
12:55	0.026	0.022	12:55	0.018	0.030	-
12:56	0.024	0.023	12:56	0.015	0.029	-
12:57	0.022	0.023	12:57	0.013	0.028	-
12:58	0.021	0.023	12:58	0.013	0.024	-
12:59	0.023	0.023	12:59	0.012	0.023	-
13:00	0.024	0.023	13:00	0.024	0.023	-
13:01	0.022	0.023	13:01	0.027	0.022	-
13:02	0.021	0.023	13:02	0.029	0.021	-
13:03	0.022	0.023	13:03	0.013	0.020	-
13:04	0.021	0.023	13:04	0.046	0.021	-
13:05	0.024	0.023	13:05	0.06	0.023	-
13:06	0.022	0.023	13:06	0.104	0.029	-
13:07	0.023	0.023	13:07	0.091	0.033	-
13:08	0.022	0.023	13:08	0.026	0.034	-
13:09	0.021	0.023	13:09	0.016	0.034	-
13:10	0.021	0.022	13:10	0.017	0.034	-
13:11	0.021	0.022	13:11	0.015	0.034	-
13:12	0.021	0.022	13:12	0.012	0.034	-
13:13	0.021	0.022	13:13	0.024	0.034	-
13:14	0.021	0.022	13:14	0.02	0.035	-
13:15	0.021	0.022	13:15	0.012	0.034	-
13:16	0.021	0.022	13:16	0.013	0.033	-
13:17	0.021	0.022	13:17	0.014	0.032	-
13:18	0.022	0.022	13:18	0.013	0.032	-
13:19	0.022	0.022	13:19	0.012	0.030	-
13:20	0.022	0.021	13:20	0.014	0.027	-
13:21	0.022	0.021	13:21	0.016	0.021	-
13:22	0.022	0.021	13:22	0.014	0.016	-
13:23	0.022	0.021	13:23	0.013	0.015	-
13:24	0.023	0.022	13:24	0.014	0.015	-
13:25	0.024	0.022	13:25	0.013	0.015	-
13:26	0.024	0.022	13:26	0.013	0.014	-
13:27	0.025	0.022	13:27	0.015	0.015	-
13:28	0.026	0.023	13:28	0.021	0.014	-
13:29	0.025	0.023	13:29	0.053	0.017	-
13:30	0.026	0.023	13:30	0.03	0.018	-
13:31	0.026	0.023	13:31	0.032	0.019	-
13:32	0.027	0.024	13:32	0.024	0.020	-
13:33	0.024	0.024	13:33	0.038	0.021	-
13:34	0.023	0.024	13:34	0.042	0.023	-
13:35	0.023	0.024	13:35	0.029	0.024	-
13:36	0.023	0.024	13:36	0.027	0.025	-
13:37	0.025	0.024	13:37	0.03	0.026	-
13:38	0.022	0.024	13:38	0.028	0.027	-
13:39	0.022	0.024	13:39	0.027	0.028	-
13:40	0.023	0.024	13:40	0.029	0.029	-
13:41	0.024	0.024	13:41	0.023	0.030	-
13:42	0.024	0.024	13:42	0.028	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
13:43	0.023	0.024	13:43	0.032	0.031	-
13:44	0.022	0.024	13:44	0.033	0.030	-
13:45	0.022	0.024	13:45	0.019	0.029	-
13:46	0.022	0.023	13:46	0.016	0.028	-
13:47	0.023	0.023	13:47	0.013	0.028	-
13:48	0.024	0.023	13:48	0.013	0.026	-
13:49	0.025	0.023	13:49	0.014	0.024	-
13:50	0.024	0.023	13:50	0.017	0.023	-
13:51	0.023	0.023	13:51	0.022	0.023	-
13:52	0.022	0.023	13:52	0.017	0.022	-
13:53	0.023	0.023	13:53	0.014	0.021	-
13:54	0.023	0.023	13:54	0.015	0.020	-
13:55	0.025	0.023	13:55	0.038	0.021	-
13:56	0.025	0.023	13:56	0.033	0.022	-
13:57	0.026	0.023	13:57	0.017	0.021	-
13:58	0.026	0.024	13:58	0.023	0.020	-
13:59	0.025	0.024	13:59	0.023	0.020	-
14:00	0.024	0.024	14:00	0.043	0.021	-
14:01	0.023	0.024	14:01	0.046	0.023	-
14:02	0.023	0.024	14:02	0.059	0.026	-
14:03	0.025	0.024	14:03	0.039	0.028	-
14:04	0.024	0.024	14:04	0.027	0.029	-
14:05	0.023	0.024	14:05	0.033	0.030	-
14:06	0.021	0.024	14:06	0.017	0.030	-
14:07	0.022	0.024	14:07	0.019	0.030	-
14:08	0.022	0.024	14:08	0.031	0.031	-
14:09	0.022	0.024	14:09	0.015	0.031	-
14:10	0.022	0.024	14:10	0.019	0.030	-
14:11	0.022	0.023	14:11	0.012	0.028	-
14:12	0.022	0.023	14:12	0.012	0.028	-
14:13	0.021	0.023	14:13	0.011	0.027	-
14:14	0.022	0.023	14:14	0.011	0.026	-
14:15	0.022	0.022	14:15	0.013	0.024	-
14:16	0.023	0.022	14:16	0.016	0.022	-
14:17	0.021	0.022	14:17	0.023	0.020	-
14:18	0.021	0.022	14:18	0.014	0.018	-
14:19	0.021	0.022	14:19	0.014	0.017	-
14:20	0.021	0.022	14:20	0.013	0.016	-
14:21	0.022	0.022	14:21	0.011	0.016	-
14:22	0.022	0.022	14:22	0.011	0.015	-
14:23	0.023	0.022	14:23	0.011	0.014	-
14:24	0.022	0.022	14:24	0.011	0.013	-
14:25	0.022	0.022	14:25	0.012	0.013	-
14:26	0.022	0.022	14:26	0.018	0.013	-
14:27	0.023	0.022	14:27	0.038	0.015	-
14:28	0.023	0.022	14:28	0.031	0.016	-
14:29	0.022	0.022	14:29	0.015	0.017	-
14:30	0.024	0.022	14:30	0.027	0.018	-
14:31	0.03	0.023	14:31	0.013	0.017	-
14:32	0.029	0.023	14:32	0.05	0.019	-
14:33	0.024	0.023	14:33			
14:34	0.021	0.023	14:34			
14:35	0.02	0.023	14:35			
14:36	0.02	0.023	14:36			

Tuesday, June 01, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						384
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:08	0.2		8:08	0.1		
8:09	0.2		8:09	0		
8:10	0.2		8:10	0.1		
8:11	0.2		8:11			
8:12	0.3		8:12			
8:13	0.3		8:13	0.1		
8:14	0.3		8:14	0.1		
8:15	0.3		8:15	0		
8:16	0.3		8:16	0.1		
8:17	0.2	0.3	8:17	0.1	0.1	-
8:18	0.2	0.2	8:18	0	0.1	-
8:19	0.2	0.2	8:19	0.1	0.1	-
8:20	0.2	0.2	8:20	0.1	0.1	-
8:21	0.2	0.2	8:21	0.1	0.1	-
8:22	0.2	0.2	8:22	0.1	0.1	-
8:23	0.2	0.2	8:23	0.1	0.1	-
8:24	0.2	0.2	8:24	0.1	0.1	-
8:25	0.2	0.2	8:25	0.1	0.1	-
8:26	0.2	0.2	8:26	0	0.1	-
8:27	0.2	0.2	8:27	0.1	0.1	-
8:28	0.2	0.2	8:28	0	0.1	-
8:29	0.2	0.2	8:29	0	0.1	-
8:30	0.2	0.2	8:30	0	0.1	-
8:31	0.2	0.2	8:31	0.1	0.1	-
8:32	0.2	0.2	8:32	0.1	0.1	-
8:33	0.2	0.2	8:33	0.1	0.1	-
8:34	0.2	0.2	8:34	0.1	0.1	-
8:35	0.2	0.2	8:35	0.1	0.1	-
8:36	0.2	0.2	8:36	0.1	0.1	-
8:37	0.2	0.2	8:37	0	0.1	-
8:38	0.2	0.2	8:38	0.1	0.1	-
8:39	0.2	0.2	8:39	0	0.1	-
8:40	0.2	0.2	8:40	0	0.1	-
8:41	0.2	0.2	8:41	0	0.1	-
8:42	0.2	0.2	8:42	0.1	0.1	-
8:43	0.2	0.2	8:43	0.1	0.1	-
8:44	0.2	0.2	8:44	0.1	0.1	-
8:45	0.2	0.2	8:45	0.1	0.1	-
8:46	0.2	0.2	8:46	0.1	0.1	-
8:47	0.2	0.2	8:47	0.1	0.1	-
8:48	0.2	0.2	8:48	0.1	0.1	-
8:49	0.2	0.2	8:49	0.1	0.1	-
8:50	0.2	0.2	8:50	0.1	0.1	-
8:51	0.2	0.2	8:51	0.1	0.1	-
8:52	0.2	0.2	8:52	0.1	0.1	-
8:53	0.2	0.2	8:53	0.1	0.1	-
8:54	0.3	0.2	8:54	0.1	0.1	-
8:55	0.3	0.2	8:55	0.1	0.1	-
8:56	0.3	0.2	8:56	0	0.1	-
8:57	0.3	0.2	8:57	0	0.1	-
8:58	0.3	0.2	8:58	0	0.1	-
8:59	0.3	0.2	8:59	0	0.1	-
9:00	0.3	0.2	9:00	0	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:01	0.3	0.3	9:01	0	0.1	-
9:02	0.3	0.3	9:02	0	0.1	-
9:03	0.3	0.3	9:03	0	0.0	-
9:04	0.3	0.3	9:04	0	0.0	-
9:05	0.3	0.3	9:05	0.1	0.0	-
9:06	0.3	0.3	9:06	0	0.0	-
9:07	0.3	0.3	9:07	0	0.0	-
9:08	0.3	0.3	9:08	0	0.0	-
9:09	0.3	0.3	9:09	0	0.0	-
9:10	0.3	0.3	9:10	0	0.0	-
9:11	0.3	0.3	9:11	0	0.0	-
9:12	0.3	0.3	9:12	0	0.0	-
9:13	0.3	0.3	9:13	0.1	0.0	-
9:14	0.3	0.3	9:14	0	0.0	-
9:15	0.3	0.3	9:15	0	0.0	-
9:16	0.3	0.3	9:16	0	0.0	-
9:17	0.3	0.3	9:17	0	0.0	-
9:18	0.3	0.3	9:18	0	0.0	-
9:19	0.3	0.3	9:19	0	0.0	-
9:20	0.3	0.3	9:20	0	0.0	-
9:21	0.3	0.3	9:21	0	0.0	-
9:22	0.3	0.3	9:22	0	0.0	-
9:23	0.3	0.3	9:23	0	0.0	-
9:24	0.3	0.3	9:24	0	0.0	-
9:25	0.3	0.3	9:25	0	0.0	-
9:26	0.3	0.3	9:26	0	0.0	-
9:27	0.3	0.3	9:27	0	0.0	-
9:28	0.3	0.3	9:28	0	0.0	-
9:29	0.3	0.3	9:29	0	0.0	-
9:30	0.3	0.3	9:30	0	0.0	-
9:31	0.3	0.3	9:31	0	0.0	-
9:32	0.3	0.3	9:32	0	0.0	-
9:33	0.3	0.3	9:33	0	0.0	-
9:34	0.3	0.3	9:34	0	0.0	-
9:35	0.3	0.3	9:35	0	0.0	-
9:36	0.3	0.3	9:36	0	0.0	-
9:37	0.3	0.3	9:37	0	0.0	-
9:38	0.3	0.3	9:38	0	0.0	-
9:39	0.3	0.3	9:39	0	0.0	-
9:40	0.3	0.3	9:40	0	0.0	-
9:41	0.3	0.3	9:41	0	0.0	-
9:42	0.3	0.3	9:42	0	0.0	-
9:43	0.3	0.3	9:43	0.1	0.0	-
9:44	0.3	0.3	9:44	0	0.0	-
9:45	0.3	0.3	9:45	0	0.0	-
9:46	0.3	0.3	9:46	0	0.0	-
9:47	0.3	0.3	9:47	0	0.0	-
9:48	0.3	0.3	9:48	0	0.0	-
9:49	0.3	0.3	9:49	0	0.0	-
9:50	0.3	0.3	9:50	0	0.0	-
9:51	0.3	0.3	9:51	0	0.0	-
9:52	0.3	0.3	9:52	0	0.0	-
9:53	0.3	0.3	9:53	0	0.0	-
9:54	0.3	0.3	9:54	0	0.0	-
9:55	0.3	0.3	9:55	0	0.0	-
9:56	0.3	0.3	9:56	0.1	0.0	-
9:57	0.3	0.3	9:57	0	0.0	-
9:58	0.3	0.3	9:58	0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:59	0.3	0.3	9:59	0.1	0.0	-
10:00	0.3	0.3	10:00	0.1	0.0	-
10:01	0.3	0.3	10:01	0.1	0.0	-
10:02	0.3	0.3	10:02	0.1	0.0	-
10:03	0.3	0.3	10:03	0.1	0.0	-
10:04	0.3	0.3	10:04	0.1	0.0	-
10:05	0.3	0.3	10:05	0.1	0.1	-
10:06	0.3	0.3	10:06	0.1	0.1	-
10:07	0.3	0.3	10:07	0.1	0.1	-
10:08	0.3	0.3	10:08	0.1	0.1	-
10:09	0.2	0.3	10:09	0.1	0.1	-
10:10	0.2	0.3	10:10	0.1	0.1	-
10:11	0.3	0.3	10:11	0	0.1	-
10:12	0.3	0.3	10:12	0.1	0.1	-
10:13	0.2	0.3	10:13	0.1	0.1	-
10:14	0.2	0.3	10:14	0.1	0.1	-
10:15	0.2	0.3	10:15	0.1	0.1	-
10:16	0.3	0.3	10:16	0.1	0.1	-
10:17	0.2	0.3	10:17	0.1	0.1	-
10:18	0.3	0.3	10:18	0.1	0.1	-
10:19	0.2	0.3	10:19	0.1	0.1	-
10:20	0.2	0.2	10:20	0.1	0.1	-
10:21	0.2	0.2	10:21	0.1	0.1	-
10:22	0.2	0.2	10:22	0.2	0.1	-
10:23	0.2	0.2	10:23	0.2	0.1	-
10:24	0.3	0.2	10:24	0.1	0.1	-
10:25	0.2	0.2	10:25	0.1	0.1	-
10:26	0.2	0.2	10:26	0.1	0.1	-
10:27	0.3	0.2	10:27	0.1	0.1	-
10:28	0.3	0.2	10:28	0.1	0.1	-
10:29	0.3	0.2	10:29	0.2	0.1	-
10:30	0.3	0.2	10:30	0.1	0.1	-
10:31	0.3	0.2	10:31	0.1	0.1	-
10:32	0.3	0.3	10:32	0.1	0.1	-
10:33	0.3	0.3	10:33	0.1	0.1	-
10:34	0.3	0.3	10:34	0.1	0.1	-
10:35	0.3	0.3	10:35	0.1	0.1	-
10:36	0.3	0.3	10:36	0.1	0.1	-
10:37	0.3	0.3	10:37	0.1	0.1	-
10:38	0.3	0.3	10:38	0.1	0.1	-
10:39	0.3	0.3	10:39	0.1	0.1	-
10:40	0.2	0.3	10:40	0.1	0.1	-
10:41	0.3	0.3	10:41	0.1	0.1	-
10:42	0.3	0.3	10:42	0.2	0.1	-
10:43	0.3	0.3	10:43	0.1	0.1	-
10:44	0.3	0.3	10:44	0.1	0.1	-
10:45	0.2	0.3	10:45	0.3	0.1	-
10:46	0.2	0.3	10:46	0.2	0.1	-
10:47	0.3	0.3	10:47	0.1	0.1	-
10:48	0.3	0.3	10:48	0.3	0.1	-
10:49	0.2	0.3	10:49	0.2	0.1	-
10:50	0.2	0.3	10:50	0.1	0.1	-
10:51	0.2	0.3	10:51	0.1	0.1	-
10:52	0.2	0.3	10:52	0.1	0.1	-
10:53	0.2	0.2	10:53	0.1	0.1	-
10:54	0.2	0.2	10:54	0.1	0.1	-
10:55	0.2	0.2	10:55	0.1	0.1	-
10:56	0.2	0.2	10:56	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:57	0.2	0.2	10:57	0.1	0.1	-
10:58	0.2	0.2	10:58	0.1	0.1	-
10:59	0.2	0.2	10:59	0.1	0.1	-
11:00	0.2	0.2	11:00	0.1	0.1	-
11:01	0.2	0.2	11:01	0.1	0.1	-
11:02	0.2	0.2	11:02	0.1	0.1	-
11:03	0.2	0.2	11:03	0.1	0.1	-
11:04	0.2	0.2	11:04	0.1	0.1	-
11:05	0.2	0.2	11:05	0.1	0.1	-
11:06	0.2	0.2	11:06	0.1	0.1	-
11:07	0.2	0.2	11:07	0.1	0.1	-
11:08	0.2	0.2	11:08	0.1	0.1	-
11:09	0.2	0.2	11:09	0.1	0.1	-
11:10	0.3	0.2	11:10	0.1	0.1	-
11:11	0.3	0.2	11:11	0.2	0.1	-
11:12	0.3	0.2	11:12	0.1	0.1	-
11:13	0.3	0.2	11:13	0.1	0.1	-
11:14	0.2	0.2	11:14	0.1	0.1	-
11:15	0.3	0.2	11:15	0.1	0.1	-
11:16	0.3	0.2	11:16	0.1	0.1	-
11:17	0.3	0.2	11:17	0.1	0.1	-
11:18	0.3	0.3	11:18	0.1	0.1	-
11:19	0.3	0.3	11:19	0.1	0.1	-
11:20	0.3	0.3	11:20	0.2	0.1	-
11:21	0.3	0.3	11:21	0.1	0.1	-
11:22	0.3	0.3	11:22	0.1	0.1	-
11:23	0.3	0.3	11:23	0.1	0.1	-
11:24	0.3	0.3	11:24	0.1	0.1	-
11:25	0.3	0.3	11:25	0.1	0.1	-
11:26	0.3	0.3	11:26	0.1	0.1	-
11:27	0.3	0.3	11:27	0.1	0.1	-
11:28	0.3	0.3	11:28	0.1	0.1	-
11:29	0.3	0.3	11:29	0.1	0.1	-
11:30	0.3	0.3	11:30	0.1	0.1	-
11:31	0.3	0.3	11:31	0.2	0.1	-
11:32	0.3	0.3	11:32	0.1	0.1	-
11:33	0.3	0.3	11:33	0.1	0.1	-
11:34	0.3	0.3	11:34	0.1	0.1	-
11:35	0.3	0.3	11:35	0.1	0.1	-
11:36	0.3	0.3	11:36	0.1	0.1	-
11:37	0.3	0.3	11:37	0.1	0.1	-
11:38	0.3	0.3	11:38	0.1	0.1	-
11:39	0.3	0.3	11:39	0.1	0.1	-
11:40	0.3	0.3	11:40	0.1	0.1	-
11:41	0.3	0.3	11:41	0.1	0.1	-
11:42	0.3	0.3	11:42	0.1	0.1	-
11:43	0.3	0.3	11:43	0.1	0.1	-
11:44	0.3	0.3	11:44	0.1	0.1	-
11:45	0.3	0.3	11:45	0.1	0.1	-
11:46	0.3	0.3	11:46	0.1	0.1	-
11:47	0.3	0.3	11:47	0.1	0.1	-
11:48	0.3	0.3	11:48	0.1	0.1	-
11:49	0.3	0.3	11:49	0.1	0.1	-
11:50	0.3	0.3	11:50	0.1	0.1	-
11:51	0.3	0.3	11:51	0.2	0.1	-
11:52	0.3	0.3	11:52	0.1	0.1	-
11:53	0.3	0.3	11:53	0.1	0.1	-
11:54	0.3	0.3	11:54	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:55	0.3	0.3	11:55	0.1	0.1	-
11:56	0.3	0.3	11:56	0.1	0.1	-
11:57	0.3	0.3	11:57	0.1	0.1	-
11:58	0.3	0.3	11:58	0.1	0.1	-
11:59	0.3	0.3	11:59	0.1	0.1	-
12:00	0.3	0.3	12:00	0.1	0.1	-
12:01	0.3	0.3	12:01	0.1	0.1	-
12:02	0.3	0.3	12:02	0.1	0.1	-
12:03	0.3	0.3	12:03	0.1	0.1	-
12:04	0.3	0.3	12:04	0.1	0.1	-
12:05	0.3	0.3	12:05	0.1	0.1	-
12:06	0.3	0.3	12:06	0.1	0.1	-
12:07	0.3	0.3	12:07	0.1	0.1	-
12:08	0.3	0.3	12:08	0.1	0.1	-
12:09	0.3	0.3	12:09	0.1	0.1	-
12:10	0.3	0.3	12:10	0.1	0.1	-
12:11	0.3	0.3	12:11	0.1	0.1	-
12:12	0.3	0.3	12:12	0.1	0.1	-
12:13	0.3	0.3	12:13	0.1	0.1	-
12:14	0.3	0.3	12:14	0.1	0.1	-
12:15	0.3	0.3	12:15	0.1	0.1	-
12:16	0.3	0.3	12:16	0.1	0.1	-
12:17	0.3	0.3	12:17	0.1	0.1	-
12:18	0.3	0.3	12:18	0.1	0.1	-
12:19	0.3	0.3	12:19	0.1	0.1	-
12:20	0.3	0.3	12:20	0.1	0.1	-
12:21	0.3	0.3	12:21	0.1	0.1	-
12:22	0.3	0.3	12:22	0.1	0.1	-
12:23	0.3	0.3	12:23	0.1	0.1	-
12:24	0.3	0.3	12:24	0.1	0.1	-
12:25	0.3	0.3	12:25	0.1	0.1	-
12:26	0.3	0.3	12:26	0.1	0.1	-
12:27	0.3	0.3	12:27	0.1	0.1	-
12:28	0.3	0.3	12:28	0.1	0.1	-
12:29	0.3	0.3	12:29	0.1	0.1	-
12:30	0.3	0.3	12:30	0.1	0.1	-
12:31	0.3	0.3	12:31	0.1	0.1	-
12:32	0.3	0.3	12:32	0.1	0.1	-
12:33	0.3	0.3	12:33	0.1	0.1	-
12:34	0.3	0.3	12:34	0.1	0.1	-
12:35	0.4	0.3	12:35	0.1	0.1	-
12:36	0.3	0.3	12:36	0.1	0.1	-
12:37	0.3	0.3	12:37	0.1	0.1	-
12:38	0.3	0.3	12:38	0.1	0.1	-
12:39	0.3	0.3	12:39	0.2	0.1	-
12:40	0.3	0.3	12:40	0.2	0.1	-
12:41	0.3	0.3	12:41	0.2	0.1	-
12:42	0.3	0.3	12:42	0.2	0.1	-
12:43	0.3	0.3	12:43	0.2	0.1	-
12:44	0.3	0.3	12:44	0.2	0.1	-
12:45	0.3	0.3	12:45	0.1	0.1	-
12:46	0.3	0.3	12:46	0.2	0.1	-
12:47	0.3	0.3	12:47	0.1	0.1	-
12:48	0.3	0.3	12:48	0.1	0.1	-
12:49	0.3	0.3	12:49	0.1	0.1	-
12:50	0.3	0.3	12:50	0.2	0.2	-
12:51	0.3	0.3	12:51	0.2	0.2	-
12:52	0.3	0.3	12:52	0.1	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:53	0.3	0.3	12:53	0.1	0.2	-
12:54	0.3	0.3	12:54	0.1	0.2	-
12:55	0.3	0.3	12:55	0.1	0.1	-
12:56	0.3	0.3	12:56	0.1	0.1	-
12:57	0.3	0.3	12:57	0.2	0.1	-
12:58	0.3	0.3	12:58	0.1	0.1	-
12:59	0.3	0.3	12:59	0.1	0.1	-
13:00	0.3	0.3	13:00	0.1	0.1	-
13:01	0.3	0.3	13:01	0.1	0.1	-
13:02	0.3	0.3	13:02	0.1	0.1	-
13:03	0.3	0.3	13:03	0.1	0.1	-
13:04	0.3	0.3	13:04	0.1	0.1	-
13:05	0.3	0.3	13:05	0.1	0.1	-
13:06	0.3	0.3	13:06	0.1	0.1	-
13:07	0.3	0.3	13:07	0.1	0.1	-
13:08	0.3	0.3	13:08	0.1	0.1	-
13:09	0.3	0.3	13:09	0.1	0.1	-
13:10	0.3	0.3	13:10	0.1	0.1	-
13:11	0.3	0.3	13:11	0.1	0.1	-
13:12	0.3	0.3	13:12	0.1	0.1	-
13:13	0.3	0.3	13:13	0.1	0.1	-
13:14	0.3	0.3	13:14	0.1	0.1	-
13:15	0.3	0.3	13:15	0.1	0.1	-
13:16	0.3	0.3	13:16	0.1	0.1	-
13:17	0.3	0.3	13:17	0.1	0.1	-
13:18	0.3	0.3	13:18	0.1	0.1	-
13:19	0.3	0.3	13:19	0.1	0.1	-
13:20	0.3	0.3	13:20	0.1	0.1	-
13:21	0.3	0.3	13:21	0.1	0.1	-
13:22	0.3	0.3	13:22	0.1	0.1	-
13:23	0.3	0.3	13:23	0.1	0.1	-
13:24	0.3	0.3	13:24	0.1	0.1	-
13:25	0.3	0.3	13:25	0.1	0.1	-
13:26	0.3	0.3	13:26	0.1	0.1	-
13:27	0.3	0.3	13:27	0.1	0.1	-
13:28	0.3	0.3	13:28	0.1	0.1	-
13:29	0.3	0.3	13:29	0.1	0.1	-
13:30	0.3	0.3	13:30	0.1	0.1	-
13:31	0.3	0.3	13:31	0.1	0.1	-
13:32	0.3	0.3	13:32	0.1	0.1	-
13:33	0.3	0.3	13:33	0.1	0.1	-
13:34	0.3	0.3	13:34	0.1	0.1	-
13:35	0.3	0.3	13:35	0.1	0.1	-
13:36	0.3	0.3	13:36	0.1	0.1	-
13:37	0.3	0.3	13:37	0.1	0.1	-
13:38	0.2	0.3	13:38	0.1	0.1	-
13:39	0.3	0.3	13:39	0.1	0.1	-
13:40	0.2	0.3	13:40	0.1	0.1	-
13:41	0.3	0.3	13:41	0.1	0.1	-
13:42	0.3	0.3	13:42	0.1	0.1	-
13:43	0.3	0.3	13:43	0.1	0.1	-
13:44	0.2	0.3	13:44	0.1	0.1	-
13:45	0.3	0.3	13:45	0.1	0.1	-
13:46	0.2	0.3	13:46	0.1	0.1	-
13:47	0.2	0.3	13:47	0.1	0.1	-
13:48	0.2	0.3	13:48	0.1	0.1	-
13:49	0.2	0.3	13:49	0.1	0.1	-
13:50	0.2	0.2	13:50	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:51	0.2	0.2	13:51	0.1	0.1	-
13:52	0.2	0.2	13:52	0.1	0.1	-
13:53	0.2	0.2	13:53	0.1	0.1	-
13:54	0.2	0.2	13:54	0.1	0.1	-
13:55	0.2	0.2	13:55	0.1	0.1	-
13:56	0.2	0.2	13:56	0.1	0.1	-
13:57	0.2	0.2	13:57	0.1	0.1	-
13:58	0.2	0.2	13:58	0.1	0.1	-
13:59	0.2	0.2	13:59	0.1	0.1	-
14:00	0.2	0.2	14:00	0.1	0.1	-
14:01	0.2	0.2	14:01	0.1	0.1	-
14:02	0.2	0.2	14:02	0.1	0.1	-
14:03	0.2	0.2	14:03	0.1	0.1	-
14:04	0.2	0.2	14:04	0.1	0.1	-
14:05	0.2	0.2	14:05	0.1	0.1	-
14:06	0.2	0.2	14:06	0.1	0.1	-
14:07	0.2	0.2	14:07	0.1	0.1	-
14:08	0.2	0.2	14:08	0.1	0.1	-
14:09	0.2	0.2	14:09	0.1	0.1	-
14:10	0.2	0.2	14:10	0.1	0.1	-
14:11	0.2	0.2	14:11	0.1	0.1	-
14:12	0.2	0.2	14:12	0.1	0.1	-
14:13	0.2	0.2	14:13	0.1	0.1	-
14:14	0.2	0.2	14:14	0.1	0.1	-
14:15	0.2	0.2	14:15	0.1	0.1	-
14:16	0.2	0.2	14:16	0.1	0.1	-
14:17	0.2	0.2	14:17	0.1	0.1	-
14:18	0.2	0.2	14:18	0.1	0.1	-
14:19	0.2	0.2	14:19	0.1	0.1	-
14:20	0.2	0.2	14:20	0.1	0.1	-
14:21	0.2	0.2	14:21	0.1	0.1	-
14:22	0.2	0.2	14:22	0.1	0.1	-
14:23	0.2	0.2	14:23	0.1	0.1	-
14:24	0.2	0.2	14:24	0.1	0.1	-
14:25	0.2	0.2	14:25	0.1	0.1	-
14:26	0.2	0.2	14:26	0.1	0.1	-
14:27	0.2	0.2	14:27	0.1	0.1	-
14:28	0.2	0.2	14:28	0.1	0.1	-
14:29	0.2	0.2	14:29	0.1	0.1	-
14:30	0.2	0.2	14:30	0.1	0.1	-
14:31	0.3	0.2	14:31	0.1	0.1	-
14:32	0.3	0.2	14:32	0.1	0.1	-
14:33	0.3	0.2	14:33	0.1	0.1	-
14:34	0.3	0.2	14:34	0.1	0.1	-
14:35	0.2	0.2	14:35	0.1	0.1	-
14:36	0.3	0.2	14:36	0.1	0.1	-
14:37	0.2	0.2	14:37	0.1	0.1	-
14:38	0.2	0.2	14:38	0.1	0.1	-
14:39	0.2	0.2	14:39	0.1	0.1	-
14:40	0.2	0.2	14:40	0.1	0.1	-
14:41	0.2	0.2	14:41			
14:42	0.2	0.2	14:42			
14:43	0.2	0.2	14:43			
14:44	0.2	0.2	14:44			
14:45	0.2	0.2	14:45			
14:46	0.2	0.2	14:46			
14:47	0.2	0.2	14:47			
14:48	0.2	0.2	14:48			

LANGAN

145 Wolcott Street
170562201
CAMP Data Summary

Date: 6/2/2021
Observer: Farielle Brazier

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.020	0.014
Maximum 15min Average	0.109	0.067
High Intervals "exceedances"	N/A	0
Minimum 1min Reading	0.017	0.013
Maximum 1min Reading	0.257	0.140

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.2
Maximum 15min Average	0.0	0.4
High Intervals "exceedances"	N/A	0
Minimum 1min Reading	0.0	0.2
Maximum 1min Reading	0.1	0.7

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

Wednesday, June 2, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						342
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
7:35	0.257		7:35			
7:36	0.031		7:36			
7:37	0.03		7:37			
7:38	0.026		7:38			
7:39	0.027		7:39			
7:40	0.028		7:40			
7:41	0.028		7:41	0.138		
7:42	0.029		7:42	0.068		
7:43	0.028		7:43	0.079		
7:44	0.031		7:44	0.087		
7:45	0.029		7:45	0.066		
7:46	0.033		7:46	0.029		
7:47	0.031		7:47	0.035		
7:48	0.029		7:48	0.031		
7:49	0.026		7:49	0.037		
7:50	0.026		7:50	0.032		
7:51	0.029	0.029	7:51	0.031	0.058	-
7:52	0.031	0.029	7:52	0.098	0.061	-
7:53	0.028	0.029	7:53	0.14	0.067	-
7:54	0.027	0.029	7:54	0.055	0.066	-
7:55	0.028	0.029	7:55	0.032	0.064	-
7:56	0.029	0.029	7:56	0.028	0.057	-
7:57	0.025	0.029	7:57	0.027	0.054	-
7:58	0.024	0.028	7:58	0.022	0.050	-
7:59	0.024	0.028	7:59	0.02	0.046	-
8:00	0.024	0.028	8:00	0.019	0.042	-
8:01	0.024	0.027	8:01	0.02	0.042	-
8:02	0.024	0.027	8:02	0.022	0.041	-
8:03	0.024	0.026	8:03	0.022	0.040	-
8:04	0.024	0.026	8:04	0.026	0.040	-
8:05	0.024	0.026	8:05	0.073	0.042	-
8:06	0.024	0.026	8:06	0.106	0.047	-
8:07	0.032	0.026	8:07	0.062	0.045	-
8:08	0.024	0.025	8:08	0.05	0.039	-
8:09	0.025	0.025	8:09	0.025	0.037	-
8:10	0.026	0.025	8:10	0.03	0.037	-
8:11	0.026	0.025	8:11	0.022	0.036	-
8:12	0.026	0.025	8:12	0.023	0.036	-
8:13	0.025	0.025	8:13	0.037	0.037	-
8:14	0.026	0.025	8:14	0.031	0.038	-
8:15	0.026	0.025	8:15	0.022	0.038	-
8:16	0.026	0.025	8:16	0.024	0.038	-
8:17	0.027	0.026	8:17	0.023	0.038	-
8:18	0.027	0.026	8:18	0.021	0.038	-
8:19	0.027	0.026	8:19	0.023	0.038	-
8:20	0.026	0.026	8:20	0.032	0.035	-
8:21	0.027	0.026	8:21	0.023	0.030	-
8:22	0.027	0.026	8:22	0.021	0.027	-
8:23	0.026	0.026	8:23	0.021	0.025	-
8:24	0.073	0.029	8:24	0.021	0.025	-
8:25	0.058	0.032	8:25	0.022	0.024	-
8:26	0.043	0.033	8:26	0.021	0.024	-
8:27	0.029	0.033	8:27	0.021	0.024	-
8:28	0.028	0.033	8:28	0.022	0.023	-
8:29	0.028	0.033	8:29	0.023	0.023	-
8:30	0.027	0.033	8:30	0.023	0.023	-
8:31	0.027	0.033	8:31	0.022	0.023	-
8:32	0.026	0.033	8:32	0.021	0.022	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
8:33	0.027	0.033	8:33	0.022	0.023	-
8:34	0.027	0.033	8:34	0.021	0.022	-
8:35	0.027	0.033	8:35	0.021	0.022	-
8:36	0.027	0.033	8:36	0.021	0.022	-
8:37	0.027	0.033	8:37	0.022	0.022	-
8:38	0.027	0.033	8:38	0.022	0.022	-
8:39	0.028	0.030	8:39	0.021	0.022	-
8:40	0.029	0.028	8:40	0.021	0.022	-
8:41	0.027	0.027	8:41	0.021	0.022	-
8:42	0.028	0.027	8:42	0.021	0.022	-
8:43	0.029	0.027	8:43	0.021	0.022	-
8:44	0.029	0.027	8:44	0.022	0.021	-
8:45	0.031	0.028	8:45	0.022	0.021	-
8:46	0.03	0.028	8:46	0.023	0.021	-
8:47	0.029	0.028	8:47	0.024	0.022	-
8:48	0.029	0.028	8:48	0.024	0.022	-
8:49	0.03	0.028	8:49	0.023	0.022	-
8:50	0.034	0.029	8:50	0.023	0.022	-
8:51	0.044	0.030	8:51	0.025	0.022	-
8:52	0.041	0.031	8:52	0.03	0.023	-
8:53	0.04	0.032	8:53	0.025	0.023	-
8:54	0.034	0.032	8:54	0.028	0.024	-
8:55	0.045	0.033	8:55	0.027	0.024	-
8:56	0.035	0.034	8:56	0.025	0.024	-
8:57	0.03	0.034	8:57	0.026	0.025	-
8:58	0.028	0.034	8:58	0.026	0.025	-
8:59	0.041	0.035	8:59	0.027	0.025	-
9:00	0.029	0.035	9:00	0.026	0.025	-
9:01	0.026	0.034	9:01	0.025	0.026	-
9:02	0.033	0.035	9:02	0.021	0.025	-
9:03	0.028	0.035	9:03	0.021	0.025	-
9:04	0.041	0.035	9:04	0.02	0.025	-
9:05	0.048	0.036	9:05	0.02	0.025	-
9:06	0.036	0.036	9:06	0.02	0.024	-
9:07	0.039	0.036	9:07	0.021	0.024	-
9:08	0.026	0.035	9:08	0.02	0.024	-
9:09	0.026	0.034	9:09	0.02	0.023	-
9:10	0.029	0.033	9:10	0.018	0.022	-
9:11	0.026	0.032	9:11	0.019	0.022	-
9:12	0.062	0.035	9:12	0.02	0.022	-
9:13	0.074	0.038	9:13	0.018	0.021	-
9:14	0.042	0.038	9:14	0.018	0.020	-
9:15	0.053	0.039	9:15	0.018	0.020	-
9:16	0.027	0.039	9:16	0.018	0.019	-
9:17	0.035	0.039	9:17	0.019	0.019	-
9:18	0.033	0.040	9:18	0.018	0.019	-
9:19	0.099	0.044	9:19	0.017	0.019	-
9:20	0.024	0.042	9:20	0.018	0.019	-
9:21	0.069	0.044	9:21	0.019	0.019	-
9:22	0.028	0.044	9:22	0.018	0.019	-
9:23	0.031	0.044	9:23	0.018	0.018	-
9:24	0.025	0.044	9:24	0.019	0.018	-
9:25	0.028	0.044	9:25	0.018	0.018	-
9:26	0.024	0.044	9:26	0.018	0.018	-
9:27	0.025	0.041	9:27	0.025	0.019	-
9:28	0.025	0.038	9:28	0.035	0.020	-
9:29	0.029	0.037	9:29	0.02	0.020	-
9:30	0.051	0.037	9:30	0.019	0.020	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
9:31	0.025	0.037	9:31	0.022	0.020	-
9:32	0.027	0.036	9:32	0.021	0.020	-
9:33	0.029	0.036	9:33	0.019	0.020	-
9:34	0.026	0.031	9:34	0.018	0.020	-
9:35	0.025	0.031	9:35	0.019	0.021	-
9:36	0.027	0.028	9:36	0.019	0.021	-
9:37	0.026	0.028	9:37	0.019	0.021	-
9:38	0.028	0.028	9:38	0.02	0.021	-
9:39	0.032	0.028	9:39	0.02	0.021	-
9:40	0.026	0.028	9:40	0.02	0.021	-
9:41	0.025	0.028	9:41	0.021	0.021	-
9:42	0.029	0.029	9:42	0.02	0.021	-
9:43	0.038	0.030	9:43	0.02	0.020	-
9:44	0.039	0.030	9:44	0.019	0.020	-
9:45	0.03	0.029	9:45	0.022	0.020	-
9:46	0.029	0.029	9:46	0.021	0.020	-
9:47	0.05	0.031	9:47	0.02	0.020	-
9:48	0.038	0.031	9:48	0.02	0.020	-
9:49	0.028	0.031	9:49	0.02	0.020	-
9:50	0.029	0.032	9:50	0.02	0.020	-
9:51	0.032	0.032	9:51	0.021	0.020	-
9:52	0.046	0.033	9:52	0.02	0.020	-
9:53	0.048	0.035	9:53	0.02	0.020	-
9:54	0.035	0.035	9:54	0.02	0.020	-
9:55	0.045	0.036	9:55	0.021	0.020	-
9:56	0.062	0.039	9:56	0.021	0.020	-
9:57	0.066	0.041	9:57	0.021	0.020	-
9:58	0.04	0.041	9:58	0.022	0.021	-
9:59	0.034	0.041	9:59	0.022	0.021	-
10:00	0.037	0.041	10:00	0.021	0.021	-
10:01	0.032	0.041	10:01	0.02	0.021	-
10:02	0.028	0.040	10:02	0.021	0.021	-
10:03	0.127	0.046	10:03	0.02	0.021	-
10:04	0.154	0.054	10:04	0.02	0.021	-
10:05	0.074	0.057	10:05	0.021	0.021	-
10:06	0.121	0.063	10:06	0.021	0.021	-
10:07	0.132	0.069	10:07	0.021	0.021	-
10:08	0.126	0.074	10:08	0.02	0.021	-
10:09	0.219	0.086	10:09	0.02	0.021	-
10:10	0.221	0.098	10:10	0.021	0.021	-
10:11	0.083	0.100	10:11	0.02	0.021	-
10:12	0.088	0.101	10:12	0.02	0.021	-
10:13	0.078	0.104	10:13	0.022	0.021	-
10:14	0.048	0.105	10:14	0.021	0.021	-
10:15	0.075	0.107	10:15	0.02	0.021	-
10:16	0.048	0.108	10:16	0.02	0.021	-
10:17	0.043	0.109	10:17	0.021	0.021	-
10:18	0.078	0.106	10:18	0.02	0.021	-
10:19	0.032	0.098	10:19	0.02	0.021	-
10:20	0.034	0.095	10:20	0.02	0.020	-
10:21	0.029	0.089	10:21	0.02	0.020	-
10:22	0.029	0.082	10:22	0.02	0.020	-
10:23	0.03	0.076	10:23	0.02	0.020	-
10:24	0.031	0.063	10:24	0.021	0.020	-
10:25	0.029	0.050	10:25	0.022	0.020	-
10:26	0.028	0.047	10:26	0.021	0.021	-
10:27	0.03	0.043	10:27	0.021	0.021	-
10:28	0.028	0.039	10:28	0.02	0.020	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
10:29	0.032	0.038	10:29	0.02	0.020	-
10:30	0.031	0.035	10:30	0.02	0.020	-
10:31	0.031	0.034	10:31	0.02	0.020	-
10:32	0.032	0.034	10:32	0.02	0.020	-
10:33	0.035	0.031	10:33	0.022	0.020	-
10:34	0.086	0.034	10:34	0.022	0.021	-
10:35	0.075	0.037	10:35	0.022	0.021	-
10:36	0.071	0.040	10:36	0.022	0.021	-
10:37	0.037	0.040	10:37	0.022	0.021	-
10:38	0.029	0.040	10:38	0.023	0.021	-
10:39	0.028	0.040	10:39	0.024	0.021	-
10:40	0.027	0.040	10:40	0.022	0.021	-
10:41	0.028	0.040	10:41	0.022	0.021	-
10:42	0.028	0.040	10:42	0.021	0.021	-
10:43	0.028	0.040	10:43	0.021	0.022	-
10:44	0.028	0.040	10:44	0.023	0.022	-
10:45	0.028	0.039	10:45	0.021	0.022	-
10:46	0.028	0.039	10:46	0.022	0.022	-
10:47	0.031	0.039	10:47	0.021	0.022	-
10:48	0.031	0.039	10:48	0.021	0.022	-
10:49	0.032	0.035	10:49	0.021	0.022	-
10:50	0.032	0.032	10:50	0.023	0.022	-
10:51	0.033	0.030	10:51	0.024	0.022	-
10:52	0.032	0.030	10:52	0.024	0.022	-
10:53	0.033	0.030	10:53	0.024	0.022	-
10:54	0.032	0.030	10:54	0.024	0.022	-
10:55	0.03	0.030	10:55	0.025	0.022	-
10:56	0.03	0.030	10:56	0.024	0.023	-
10:57	0.035	0.031	10:57	0.023	0.023	-
10:58	0.067	0.033	10:58	0.023	0.023	-
10:59	0.077	0.037	10:59	0.022	0.023	-
11:00	0.074	0.040	11:00	0.021	0.023	-
11:01	0.04	0.041	11:01	0.023	0.023	-
11:02	0.051	0.042	11:02	0.022	0.023	-
11:03	0.055	0.044	11:03	0.021	0.023	-
11:04	0.052	0.045	11:04	0.021	0.023	-
11:05	0.033	0.045	11:05	0.021	0.023	-
11:06	0.164	0.054	11:06	0.021	0.023	-
11:07	0.057	0.055	11:07	0.021	0.022	-
11:08	0.096	0.060	11:08	0.021	0.022	-
11:09	0.045	0.060	11:09	0.02	0.022	-
11:10	0.052	0.062	11:10	0.021	0.022	-
11:11	0.157	0.070	11:11	0.022	0.022	-
11:12	0.086	0.074	11:12	0.022	0.021	-
11:13	0.048	0.072	11:13	0.022	0.021	-
11:14	0.072	0.072	11:14	0.022	0.021	-
11:15	0.119	0.075	11:15	0.025	0.022	-
11:16	0.04	0.075	11:16	0.023	0.022	-
11:17	0.033	0.074	11:17	0.021	0.022	-
11:18	0.028	0.072	11:18	0.021	0.022	-
11:19	0.028	0.071	11:19	0.021	0.022	-
11:20	0.039	0.071	11:20	0.021	0.022	-
11:21	0.039	0.063	11:21	0.02	0.022	-
11:22	0.03	0.061	11:22	0.02	0.021	-
11:23	0.03	0.056	11:23	0.02	0.021	-
11:24	0.028	0.055	11:24	0.02	0.021	-
11:25	0.028	0.054	11:25	0.022	0.021	-
11:26	0.027	0.045	11:26	0.023	0.022	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
11:27	0.032	0.041	11:27	0.02	0.021	-
11:28	0.032	0.040	11:28	0.019	0.021	-
11:29	0.028	0.037	11:29	0.019	0.021	-
11:30	0.026	0.031	11:30	0.02	0.021	-
11:31	0.025	0.030	11:31	0.02	0.020	-
11:32	0.026	0.030	11:32	0.019	0.020	-
11:33	0.028	0.030	11:33	0.018	0.020	-
11:34	0.034	0.030	11:34	0.018	0.020	-
11:35	0.043	0.030	11:35	0.02	0.020	-
11:36	0.03	0.030	11:36	0.019	0.020	-
11:37	0.037	0.030	11:37	0.021	0.020	-
11:38	0.035	0.031	11:38	0.02	0.020	-
11:39	0.024	0.030	11:39	0.02	0.020	-
11:40	0.034	0.031	11:40	0.02	0.020	-
11:41	0.028	0.031	11:41	0.02	0.020	-
11:42	0.027	0.030	11:42	0.02	0.020	-
11:43	0.032	0.030	11:43	0.026	0.020	-
11:44	0.031	0.031	11:44	0.02	0.020	-
11:45	0.025	0.031	11:45	0.021	0.020	-
11:46	0.024	0.031	11:46	0.02	0.020	-
11:47	0.026	0.031	11:47	0.021	0.020	-
11:48	0.028	0.031	11:48	0.021	0.020	-
11:49	0.025	0.030	11:49	0.023	0.021	-
11:50	0.025	0.029	11:50	0.021	0.021	-
11:51	0.024	0.028	11:51	0.02	0.021	-
11:52	0.024	0.027	11:52	0.019	0.021	-
11:53	0.023	0.027	11:53	0.018	0.021	-
11:54	0.024	0.027	11:54	0.019	0.021	-
11:55	0.022	0.026	11:55	0.018	0.020	-
11:56	0.021	0.025	11:56	0.018	0.020	-
11:57	0.024	0.025	11:57	0.018	0.020	-
11:58	0.023	0.025	11:58	0.017	0.020	-
11:59	0.023	0.024	11:59	0.019	0.020	-
12:00	0.023	0.024	12:00	0.018	0.019	-
12:01	0.028	0.024	12:01	0.018	0.019	-
12:02	0.026	0.024	12:02	0.018	0.019	-
12:03	0.027	0.024	12:03	0.021	0.019	-
12:04	0.032	0.025	12:04	0.018	0.019	-
12:05	0.023	0.024	12:05	0.019	0.019	-
12:06	0.023	0.024	12:06	0.018	0.018	-
12:07	0.024	0.024	12:07	0.018	0.018	-
12:08	0.024	0.024	12:08	0.025	0.019	-
12:09	0.025	0.025	12:09	0.017	0.019	-
12:10	0.024	0.025	12:10	0.018	0.019	-
12:11	0.021	0.025	12:11	0.018	0.019	-
12:12	0.022	0.025	12:12	0.018	0.019	-
12:13	0.021	0.024	12:13	0.02	0.019	-
12:14	0.021	0.024	12:14	0.017	0.019	-
12:15	0.023	0.024	12:15	0.017	0.019	-
12:16	0.023	0.024	12:16	0.017	0.019	-
12:17	0.024	0.024	12:17	0.017	0.019	-
12:18	0.024	0.024	12:18	0.026	0.019	-
12:19	0.024	0.023	12:19	0.025	0.019	-
12:20	0.025	0.023	12:20	0.022	0.020	-
12:21	0.028	0.024	12:21	0.022	0.020	-
12:22	0.024	0.024	12:22	0.023	0.020	-
12:23	0.038	0.024	12:23	0.021	0.020	-
12:24	0.025	0.024	12:24	0.022	0.020	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:25	0.021	0.024	12:25	0.023	0.021	-
12:26	0.022	0.024	12:26	0.02	0.021	-
12:27	0.021	0.024	12:27	0.017	0.021	-
12:28	0.023	0.024	12:28	0.016	0.020	-
12:29	0.021	0.024	12:29	0.016	0.020	-
12:30	0.024	0.024	12:30	0.016	0.020	-
12:31	0.023	0.024	12:31	0.017	0.020	-
12:32	0.024	0.024	12:32	0.02	0.020	-
12:33	0.023	0.024	12:33	0.016	0.020	-
12:34	0.024	0.024	12:34	0.017	0.019	-
12:35	0.022	0.024	12:35	0.017	0.019	-
12:36	0.027	0.024	12:36	0.017	0.019	-
12:37	0.027	0.024	12:37	0.017	0.018	-
12:38	0.024	0.023	12:38	0.017	0.018	-
12:39	0.029	0.024	12:39	0.017	0.018	-
12:40	0.024	0.024	12:40	0.017	0.017	-
12:41	0.027	0.024	12:41	0.017	0.017	-
12:42	0.021	0.024	12:42	0.017	0.017	-
12:43	0.02	0.024	12:43	0.017	0.017	-
12:44	0.02	0.024	12:44	0.016	0.017	-
12:45	0.068	0.027	12:45	0.016	0.017	-
12:46	0.021	0.027	12:46	0.015	0.017	-
12:47	0.022	0.027	12:47	0.015	0.017	-
12:48	0.02	0.026	12:48	0.015	0.016	-
12:49	0.024	0.026	12:49	0.015	0.016	-
12:50	0.03	0.027	12:50	0.015	0.016	-
12:51	0.024	0.027	12:51	0.015	0.016	-
12:52	0.021	0.026	12:52	0.016	0.016	-
12:53	0.021	0.026	12:53	0.015	0.016	-
12:54	0.021	0.026	12:54	0.015	0.016	-
12:55	0.021	0.025	12:55	0.015	0.016	-
12:56	0.02	0.025	12:56	0.015	0.015	-
12:57	0.019	0.025	12:57	0.016	0.015	-
12:58	0.019	0.025	12:58	0.016	0.015	-
12:59	0.019	0.025	12:59	0.015	0.015	-
13:00	0.02	0.021	13:00	0.014	0.015	-
13:01	0.019	0.021	13:01	0.015	0.015	-
13:02	0.019	0.021	13:02	0.015	0.015	-
13:03	0.02	0.021	13:03	0.015	0.015	-
13:04	0.02	0.021	13:04	0.015	0.015	-
13:05	0.021	0.020	13:05	0.015	0.015	-
13:06	0.022	0.020	13:06	0.015	0.015	-
13:07	0.021	0.020	13:07	0.015	0.015	-
13:08	0.021	0.020	13:08	0.016	0.015	-
13:09	0.02	0.020	13:09	0.016	0.015	-
13:10	0.02	0.020	13:10	0.016	0.015	-
13:11	0.02	0.020	13:11	0.016	0.015	-
13:12	0.02	0.020	13:12	0.015	0.015	-
13:13	0.019	0.020	13:13	0.015	0.015	-
13:14	0.02	0.020	13:14	0.015	0.015	-
13:15	0.021	0.020	13:15	0.015	0.015	-
13:16	0.021	0.020	13:16	0.015	0.015	-
13:17	0.02	0.020	13:17	0.015	0.015	-
13:18	0.019	0.020	13:18	0.016	0.015	-
13:19	0.02	0.020	13:19	0.016	0.015	-
13:20	0.02	0.020	13:20	0.015	0.015	-
13:21	0.022	0.020	13:21	0.015	0.015	-
13:22	0.021	0.020	13:22	0.015	0.015	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
13:23	0.023	0.020	13:23	0.014	0.015	-
13:24	0.018	0.020	13:24	0.015	0.015	-
13:25	0.02	0.020	13:25	0.019	0.015	-
13:26	0.018	0.020	13:26	0.015	0.015	-
13:27	0.018	0.020	13:27	0.014	0.015	-
13:28	0.019	0.020	13:28	0.014	0.015	-
13:29	0.021	0.020	13:29	0.014	0.015	-
13:30	0.017	0.020	13:30	0.014	0.015	-
13:31	0.019	0.020	13:31	0.014	0.015	-
13:32	0.018	0.020	13:32	0.014	0.015	-
13:33			13:33	0.013	0.015	
13:34			13:34	0.014	0.015	
13:35			13:35	0.014	0.015	
13:36			13:36	0.014	0.014	
13:37			13:37	0.015	0.014	
13:38			13:38	0.015	0.015	
13:39			13:39	0.015	0.015	
13:40			13:40	0.014	0.014	
13:41			13:41	0.015	0.014	

Wednesday, June 02, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						344
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:49	0		7:49	0.3		
7:50	0		7:50	0.3		
7:51	0		7:51	0.2		
7:52	0		7:52	0.2		
7:53	0.1		7:53	0.2		
7:54	0		7:54	0.2		
7:55	0		7:55	0.2		
7:56	0		7:56	0.2		
7:57	0		7:57	0.2		
7:58	0		7:58	0.2		
7:59	0		7:59	0.2		
8:00	0		8:00	0.2		
8:01	0	0.0	8:01	0.3	0.2	-
8:02	0	0.0	8:02	0.2	0.2	-
8:03	0	0.0	8:03	0.2	0.2	-
8:04	0	0.0	8:04	0.2	0.2	-
8:05	0	0.0	8:05	0.2	0.2	-
8:06	0	0.0	8:06	0.2	0.2	-
8:07	0	0.0	8:07	0.3	0.2	-
8:08	0	0.0	8:08	0.3	0.2	-
8:09	0	0.0	8:09	0.3	0.2	-
8:10	0	0.0	8:10	0.2	0.2	-
8:11	0	0.0	8:11	0.2	0.2	-
8:12	0	0.0	8:12	0.2	0.2	-
8:13	0	0.0	8:13	0.2	0.2	-
8:14	0	0.0	8:14	0.3	0.2	-
8:15	0	0.0	8:15	0.2	0.2	-
8:16	0	0.0	8:16	0.2	0.2	-
8:17	0	0.0	8:17	0.2	0.2	-
8:18	0	0.0	8:18	0.3	0.2	-
8:19	0	0.0	8:19	0.2	0.2	-
8:20	0	0.0	8:20	0.2	0.2	-
8:21	0	0.0	8:21	0.3	0.2	-
8:22	0	0.0	8:22	0.2	0.2	-
8:23	0	0.0	8:23	0.2	0.2	-
8:24	0	0.0	8:24	0.2	0.2	-
8:25	0	0.0	8:25	0.3	0.2	-
8:26	0	0.0	8:26	0.3	0.2	-
8:27	0	0.0	8:27	0.3	0.2	-
8:28	0	0.0	8:28	0.3	0.2	-
8:29	0	0.0	8:29	0.3	0.2	-
8:30	0	0.0	8:30	0.2	0.2	-
8:31	0	0.0	8:31	0.3	0.3	-
8:32	0	0.0	8:32	0.3	0.3	-
8:33	0	0.0	8:33	0.3	0.3	-
8:34	0	0.0	8:34	0.3	0.3	-
8:35	0	0.0	8:35	0.3	0.3	-
8:36	0	0.0	8:36	0.3	0.3	-
8:37	0	0.0	8:37	0.3	0.3	-
8:38	0	0.0	8:38	0.2	0.3	-
8:39	0	0.0	8:39	0.2	0.3	-
8:40	0	0.0	8:40	0.3	0.3	-
8:41	0	0.0	8:41	0.3	0.3	-
8:42	0	0.0	8:42	0.3	0.3	-
8:43	0	0.0	8:43	0.2	0.3	-
8:44	0	0.0	8:44	0.3	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:45	0	0.0	8:45	0.2	0.3	-
8:46	0	0.0	8:46	0.3	0.3	-
8:47	0	0.0	8:47	0.3	0.3	-
8:48	0	0.0	8:48	0.3	0.3	-
8:49	0	0.0	8:49	0.3	0.3	-
8:50	0	0.0	8:50	0.3	0.3	-
8:51	0	0.0	8:51	0.3	0.3	-
8:52	0	0.0	8:52	0.3	0.3	-
8:53	0	0.0	8:53	0.3	0.3	-
8:54	0	0.0	8:54	0.4	0.3	-
8:55	0	0.0	8:55	0.4	0.3	-
8:56	0	0.0	8:56	0.3	0.3	-
8:57	0	0.0	8:57	0.3	0.3	-
8:58	0	0.0	8:58	0.3	0.3	-
8:59	0	0.0	8:59	0.4	0.3	-
9:00	0	0.0	9:00	0.7	0.3	-
9:01	0	0.0	9:01	0.4	0.4	-
9:02	0	0.0	9:02	0.3	0.4	-
9:03	0	0.0	9:03	0.3	0.4	-
9:04	0	0.0	9:04	0.3	0.4	-
9:05	0	0.0	9:05	0.3	0.4	-
9:06	0	0.0	9:06	0.3	0.4	-
9:07	0	0.0	9:07	0.3	0.4	-
9:08	0	0.0	9:08	0.3	0.4	-
9:09	0	0.0	9:09	0.3	0.3	-
9:10	0	0.0	9:10	0.3	0.3	-
9:11	0	0.0	9:11	0.3	0.3	-
9:12	0	0.0	9:12	0.3	0.3	-
9:13	0	0.0	9:13	0.3	0.3	-
9:14	0	0.0	9:14	0.3	0.3	-
9:15	0	0.0	9:15	0.3	0.3	-
9:16	0	0.0	9:16	0.3	0.3	-
9:17	0	0.0	9:17	0.3	0.3	-
9:18	0	0.0	9:18	0.3	0.3	-
9:19	0	0.0	9:19	0.3	0.3	-
9:20	0	0.0	9:20	0.3	0.3	-
9:21	0	0.0	9:21	0.3	0.3	-
9:22	0	0.0	9:22	0.3	0.3	-
9:23	0	0.0	9:23	0.3	0.3	-
9:24	0	0.0	9:24	0.3	0.3	-
9:25	0	0.0	9:25	0.3	0.3	-
9:26	0	0.0	9:26	0.3	0.3	-
9:27	0	0.0	9:27	0.3	0.3	-
9:28	0	0.0	9:28	0.3	0.3	-
9:29	0	0.0	9:29	0.3	0.3	-
9:30	0	0.0	9:30	0.3	0.3	-
9:31	0	0.0	9:31	0.3	0.3	-
9:32	0	0.0	9:32	0.3	0.3	-
9:33	0	0.0	9:33	0.3	0.3	-
9:34	0	0.0	9:34	0.3	0.3	-
9:35	0	0.0	9:35	0.3	0.3	-
9:36	0	0.0	9:36	0.3	0.3	-
9:37	0	0.0	9:37	0.3	0.3	-
9:38	0	0.0	9:38	0.3	0.3	-
9:39	0	0.0	9:39	0.3	0.3	-
9:40	0	0.0	9:40	0.3	0.3	-
9:41	0	0.0	9:41	0.3	0.3	-
9:42	0	0.0	9:42	0.3	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:43	0	0.0	9:43	0.3	0.3	-
9:44	0	0.0	9:44	0.3	0.3	-
9:45	0	0.0	9:45	0.3	0.3	-
9:46	0	0.0	9:46	0.3	0.3	-
9:47	0	0.0	9:47	0.3	0.3	-
9:48	0	0.0	9:48	0.3	0.3	-
9:49	0	0.0	9:49	0.3	0.3	-
9:50	0	0.0	9:50	0.3	0.3	-
9:51	0	0.0	9:51	0.3	0.3	-
9:52	0	0.0	9:52	0.3	0.3	-
9:53	0	0.0	9:53	0.3	0.3	-
9:54	0	0.0	9:54	0.3	0.3	-
9:55	0	0.0	9:55	0.3	0.3	-
9:56	0	0.0	9:56	0.3	0.3	-
9:57	0	0.0	9:57	0.3	0.3	-
9:58	0	0.0	9:58	0.3	0.3	-
9:59	0	0.0	9:59	0.3	0.3	-
10:00	0	0.0	10:00	0.3	0.3	-
10:01	0	0.0	10:01	0.4	0.3	-
10:02	0	0.0	10:02	0.3	0.3	-
10:03	0	0.0	10:03	0.3	0.3	-
10:04	0	0.0	10:04	0.3	0.3	-
10:05	0	0.0	10:05	0.3	0.3	-
10:06	0	0.0	10:06	0.3	0.3	-
10:07	0	0.0	10:07	0.3	0.3	-
10:08	0	0.0	10:08	0.3	0.3	-
10:09	0	0.0	10:09	0.3	0.3	-
10:10	0	0.0	10:10	0.3	0.3	-
10:11	0	0.0	10:11	0.3	0.3	-
10:12	0	0.0	10:12	0.3	0.3	-
10:13	0	0.0	10:13	0.3	0.3	-
10:14	0	0.0	10:14	0.3	0.3	-
10:15	0	0.0	10:15	0.3	0.3	-
10:16	0	0.0	10:16	0.3	0.3	-
10:17	0	0.0	10:17	0.3	0.3	-
10:18	0	0.0	10:18	0.3	0.3	-
10:19	0	0.0	10:19	0.3	0.3	-
10:20	0	0.0	10:20	0.3	0.3	-
10:21	0	0.0	10:21	0.3	0.3	-
10:22	0	0.0	10:22	0.3	0.3	-
10:23	0	0.0	10:23	0.3	0.3	-
10:24	0	0.0	10:24	0.3	0.3	-
10:25	0	0.0	10:25	0.3	0.3	-
10:26	0	0.0	10:26	0.4	0.3	-
10:27	0	0.0	10:27	0.4	0.3	-
10:28	0	0.0	10:28	0.3	0.3	-
10:29	0	0.0	10:29	0.3	0.3	-
10:30	0	0.0	10:30	0.3	0.3	-
10:31	0	0.0	10:31	0.3	0.3	-
10:32	0	0.0	10:32	0.3	0.3	-
10:33	0	0.0	10:33	0.3	0.3	-
10:34	0	0.0	10:34	0.3	0.3	-
10:35	0	0.0	10:35	0.3	0.3	-
10:36	0	0.0	10:36	0.3	0.3	-
10:37	0	0.0	10:37	0.3	0.3	-
10:38	0	0.0	10:38	0.3	0.3	-
10:39	0	0.0	10:39	0.3	0.3	-
10:40	0	0.0	10:40	0.3	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:41	0	0.0	10:41	0.3	0.3	-
10:42	0	0.0	10:42	0.3	0.3	-
10:43	0	0.0	10:43	0.3	0.3	-
10:44	0	0.0	10:44	0.3	0.3	-
10:45	0	0.0	10:45	0.3	0.3	-
10:46	0	0.0	10:46	0.3	0.3	-
10:47	0	0.0	10:47	0.3	0.3	-
10:48	0	0.0	10:48	0.3	0.3	-
10:49	0	0.0	10:49	0.3	0.3	-
10:50	0	0.0	10:50	0.3	0.3	-
10:51	0	0.0	10:51	0.3	0.3	-
10:52	0	0.0	10:52	0.3	0.3	-
10:53	0	0.0	10:53	0.3	0.3	-
10:54	0	0.0	10:54	0.3	0.3	-
10:55	0	0.0	10:55	0.3	0.3	-
10:56	0	0.0	10:56	0.3	0.3	-
10:57	0	0.0	10:57	0.3	0.3	-
10:58	0	0.0	10:58	0.3	0.3	-
10:59	0	0.0	10:59	0.3	0.3	-
11:00	0	0.0	11:00	0.3	0.3	-
11:01	0	0.0	11:01	0.3	0.3	-
11:02	0	0.0	11:02	0.3	0.3	-
11:03	0	0.0	11:03	0.3	0.3	-
11:04	0	0.0	11:04	0.3	0.3	-
11:05	0	0.0	11:05	0.3	0.3	-
11:06	0	0.0	11:06	0.3	0.3	-
11:07	0	0.0	11:07	0.3	0.3	-
11:08	0	0.0	11:08	0.3	0.3	-
11:09	0	0.0	11:09	0.3	0.3	-
11:10	0	0.0	11:10	0.3	0.3	-
11:11	0	0.0	11:11	0.3	0.3	-
11:12	0	0.0	11:12	0.3	0.3	-
11:13	0	0.0	11:13	0.3	0.3	-
11:14	0	0.0	11:14	0.3	0.3	-
11:15	0	0.0	11:15	0.3	0.3	-
11:16	0	0.0	11:16	0.3	0.3	-
11:17	0	0.0	11:17	0.3	0.3	-
11:18	0	0.0	11:18	0.3	0.3	-
11:19	0	0.0	11:19	0.3	0.3	-
11:20	0	0.0	11:20	0.3	0.3	-
11:21	0	0.0	11:21	0.3	0.3	-
11:22	0	0.0	11:22	0.3	0.3	-
11:23	0	0.0	11:23	0.3	0.3	-
11:24	0	0.0	11:24	0.3	0.3	-
11:25	0	0.0	11:25	0.3	0.3	-
11:26	0	0.0	11:26	0.3	0.3	-
11:27	0	0.0	11:27	0.3	0.3	-
11:28	0	0.0	11:28	0.3	0.3	-
11:29	0	0.0	11:29	0.3	0.3	-
11:30	0	0.0	11:30	0.3	0.3	-
11:31	0	0.0	11:31	0.3	0.3	-
11:32	0	0.0	11:32	0.3	0.3	-
11:33	0	0.0	11:33	0.3	0.3	-
11:34	0	0.0	11:34	0.3	0.3	-
11:35	0	0.0	11:35	0.3	0.3	-
11:36	0	0.0	11:36	0.3	0.3	-
11:37	0	0.0	11:37	0.3	0.3	-
11:38	0	0.0	11:38	0.3	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:39	0	0.0	11:39	0.3	0.3	-
11:40	0	0.0	11:40	0.3	0.3	-
11:41	0	0.0	11:41	0.3	0.3	-
11:42	0	0.0	11:42	0.3	0.3	-
11:43	0	0.0	11:43	0.3	0.3	-
11:44	0	0.0	11:44	0.3	0.3	-
11:45	0	0.0	11:45	0.3	0.3	-
11:46	0	0.0	11:46	0.3	0.3	-
11:47	0	0.0	11:47	0.3	0.3	-
11:48	0	0.0	11:48	0.3	0.3	-
11:49	0	0.0	11:49	0.3	0.3	-
11:50	0	0.0	11:50	0.3	0.3	-
11:51	0	0.0	11:51	0.3	0.3	-
11:52	0	0.0	11:52	0.3	0.3	-
11:53	0	0.0	11:53	0.3	0.3	-
11:54	0	0.0	11:54	0.3	0.3	-
11:55	0	0.0	11:55	0.3	0.3	-
11:56	0	0.0	11:56	0.3	0.3	-
11:57	0	0.0	11:57	0.3	0.3	-
11:58	0	0.0	11:58	0.4	0.3	-
11:59	0	0.0	11:59	0.3	0.3	-
12:00	0	0.0	12:00	0.3	0.3	-
12:01	0	0.0	12:01	0.3	0.3	-
12:02	0	0.0	12:02	0.3	0.3	-
12:03	0	0.0	12:03	0.3	0.3	-
12:04	0	0.0	12:04	0.3	0.3	-
12:05	0	0.0	12:05	0.4	0.3	-
12:06	0	0.0	12:06	0.4	0.3	-
12:07	0	0.0	12:07	0.4	0.3	-
12:08	0	0.0	12:08	0.4	0.3	-
12:09	0	0.0	12:09	0.4	0.3	-
12:10	0	0.0	12:10	0.4	0.3	-
12:11	0	0.0	12:11	0.4	0.4	-
12:12	0	0.0	12:12	0.4	0.4	-
12:13	0	0.0	12:13	0.4	0.4	-
12:14	0	0.0	12:14	0.4	0.4	-
12:15	0	0.0	12:15	0.4	0.4	-
12:16	0	0.0	12:16	0.4	0.4	-
12:17	0	0.0	12:17	0.4	0.4	-
12:18	0	0.0	12:18	0.4	0.4	-
12:19	0	0.0	12:19	0.4	0.4	-
12:20	0	0.0	12:20	0.4	0.4	-
12:21	0	0.0	12:21	0.4	0.4	-
12:22	0	0.0	12:22	0.4	0.4	-
12:23	0	0.0	12:23	0.4	0.4	-
12:24	0	0.0	12:24	0.4	0.4	-
12:25	0	0.0	12:25	0.4	0.4	-
12:26	0	0.0	12:26	0.4	0.4	-
12:27	0	0.0	12:27	0.4	0.4	-
12:28	0	0.0	12:28	0.4	0.4	-
12:29	0	0.0	12:29	0.4	0.4	-
12:30	0	0.0	12:30	0.4	0.4	-
12:31	0	0.0	12:31	0.4	0.4	-
12:32	0	0.0	12:32	0.4	0.4	-
12:33	0	0.0	12:33	0.4	0.4	-
12:34	0	0.0	12:34	0.3	0.4	-
12:35	0	0.0	12:35	0.3	0.4	-
12:36	0	0.0	12:36	0.3	0.4	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:37	0	0.0	12:37	0.3	0.4	-
12:38	0	0.0	12:38	0.3	0.4	-
12:39	0	0.0	12:39	0.3	0.4	-
12:40	0	0.0	12:40	0.3	0.4	-
12:41	0	0.0	12:41	0.3	0.3	-
12:42	0	0.0	12:42	0.3	0.3	-
12:43	0	0.0	12:43	0.3	0.3	-
12:44	0	0.0	12:44	0.3	0.3	-
12:45	0	0.0	12:45	0.3	0.3	-
12:46	0	0.0	12:46	0.3	0.3	-
12:47	0	0.0	12:47	0.3	0.3	-
12:48	0	0.0	12:48	0.3	0.3	-
12:49	0	0.0	12:49	0.3	0.3	-
12:50	0	0.0	12:50	0.3	0.3	-
12:51	0	0.0	12:51	0.3	0.3	-
12:52	0	0.0	12:52	0.3	0.3	-
12:53	0	0.0	12:53	0.3	0.3	-
12:54	0	0.0	12:54	0.3	0.3	-
12:55	0	0.0	12:55	0.3	0.3	-
12:56	0	0.0	12:56	0.3	0.3	-
12:57	0	0.0	12:57	0.3	0.3	-
12:58	0	0.0	12:58	0.3	0.3	-
12:59	0	0.0	12:59	0.3	0.3	-
13:00	0	0.0	13:00	0.3	0.3	-
13:01	0	0.0	13:01	0.3	0.3	-
13:02	0	0.0	13:02	0.3	0.3	-
13:03	0	0.0	13:03	0.3	0.3	-
13:04	0	0.0	13:04	0.3	0.3	-
13:05	0	0.0	13:05	0.3	0.3	-
13:06	0	0.0	13:06	0.3	0.3	-
13:07	0	0.0	13:07	0.3	0.3	-
13:08	0	0.0	13:08	0.3	0.3	-
13:09	0	0.0	13:09	0.3	0.3	-
13:10	0	0.0	13:10	0.3	0.3	-
13:11	0	0.0	13:11	0.3	0.3	-
13:12	0	0.0	13:12	0.3	0.3	-
13:13	0	0.0	13:13	0.3	0.3	-
13:14	0	0.0	13:14	0.3	0.3	-
13:15	0	0.0	13:15	0.3	0.3	-
13:16	0	0.0	13:16	0.3	0.3	-
13:17	0	0.0	13:17	0.3	0.3	-
13:18	0	0.0	13:18	0.3	0.3	-
13:19	0	0.0	13:19	0.3	0.3	-
13:20	0	0.0	13:20	0.3	0.3	-
13:21	0	0.0	13:21	0.3	0.3	-
13:22	0	0.0	13:22	0.3	0.3	-
13:23	0	0.0	13:23	0.3	0.3	-
13:24	0	0.0	13:24	0.3	0.3	-
13:25	0	0.0	13:25	0.3	0.3	-
13:26	0	0.0	13:26	0.3	0.3	-
13:27	0	0.0	13:27	0.3	0.3	-
13:28	0	0.0	13:28	0.3	0.3	-
13:29	0	0.0	13:29	0.3	0.3	-
13:30	0	0.0	13:30	0.3	0.3	-
13:31	0	0.0	13:31	0.3	0.3	-
13:32	0	0.0	13:32	0.3	0.3	-
13:33	0	0.0	13:33	0.3	0.3	-
13:34	0	0.0	13:34	0.3	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:35	0	0.0	13:35	0.3	0.3	-
13:36	0	0.0	13:36	0.3	0.3	-
13:37	0	0.0	13:37	0.3	0.3	-
13:38	0	0.0	13:38	0.3	0.3	-
13:39	0	0.0	13:39	0.3	0.3	-
13:40	0	0.0	13:40	0.3	0.3	-
13:41	0	0.0	13:41	0.3	0.3	-
13:42	0	0.0	13:42	0.3	0.3	-
13:43	0	0.0	13:43	0.3	0.3	-
13:44	0	0.0	13:44	0.3	0.3	-
13:45			13:45	0.3	0.3	
13:46			13:46	0.3	0.3	
13:47			13:47	0.3	0.3	
13:48			13:48	0.3	0.3	

APPENDIX D

Daily Field Reports

DAILY FIELD REPORT – Day 01

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Sunny	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

BCP Project No:	C224256	Langan Project No:	170562201	Date/Time:	May 24, 2021 09:15 – 11:45
Project Name:	145-165 Wolcott Street				

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology D.P.C.	Langan Field Engineer: Ashley Stappenbeck
Contractors: N/A	

Langan was present to oversee implementation of the May 2021 Phase II Remedial Investigation (RI) and Interim Remedial Measures (IRM) Work Plan for Brownfield Cleanup Program (BCP) Site No. C224256 (145-165 Wolcott Street).

Work Activities Performed:

- Langan marked test pit locations in anticipation of a geophysical survey to be completed on May 25, 2021.

Samples Collected:

- No samples were collected.

Community Air Monitoring Program:

- No intrusive work completed; CAMP not implemented.

Particulate Monitoring (µg/m^3)			Organic Vapor Monitoring (ppm)		
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	N/A	N/A	Daily Time Weighted Average	N/A	N/A
Maximum 15-min Average	N/A	N/A	Maximum 15-min Average	N/A	N/A
Minimum 1-min Instant Reading	N/A	N/A	Minimum 1-min Instant Reading	N/A	N/A
Maximum 1-min Instant Reading	N/A	N/A	Maximum 1-min Instant Reading	N/A	N/A

µg/m^3-micrograms per cubic meter. ppm= parts per million.

Problems Encountered:

- None

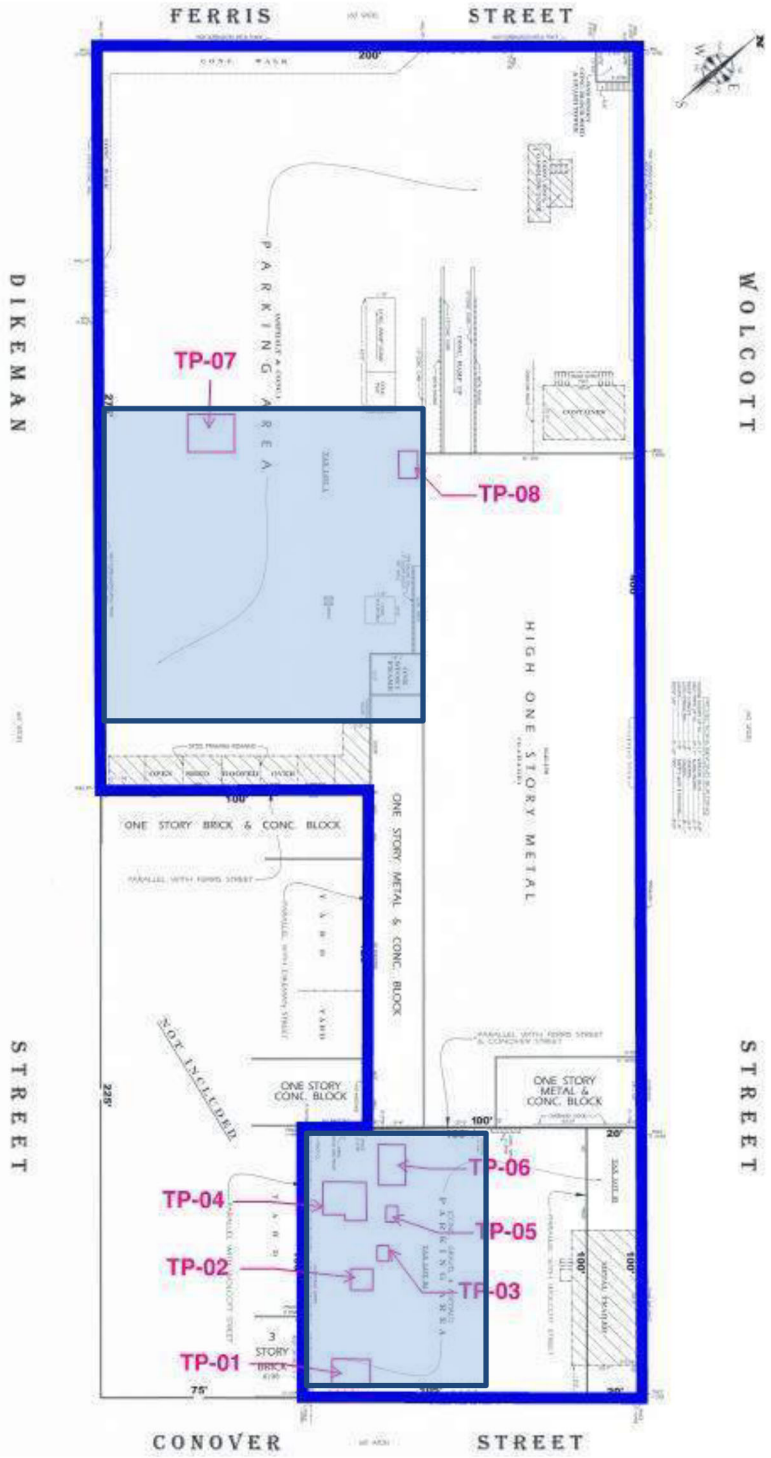
Planned Activities for the Next Day/Week:

- Phase II RI implementation to continue with geophysical survey on May 25, 2021.

Material Tracking:

- No material was exported from the site.
- No material was imported to the site.

SITE PLAN



LEGEND

- SITE BOUNDARY
- UPWIND CAMP STATION
- DOWNWIND CAMP STATION
- STOCKPILE
- APPROXIMATE WORK AREA
- EXCAVATION AREA

File Name: 2021-05-24 - C224256 - Daily Field Report - 01

Photo Log

Photo 1: Example test pit mark out (TP-04) for anticipated geophysical survey.	
Photo 2: View of TP-05 mark out.	

Photo 3: View of TP-07 mark out.	
Photo 4: View of TP-03 mark out.	

DAILY FIELD REPORT – Day 02

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Sunny	
TEMP.	< 32		32-50		50-70	X	70-85	X	>85	

BCP Project No:	C224256	Langan Project No:	170562201	Date/Time:	May 25, 2021 07:00 – 13:00
Project Name:	145-165 Wolcott Street				

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology D.P.C. Contractors: Hager Richter Geosciences., Inc. (Alexis Martinez)	Langan Field Engineer: Andrew Nesci

Langan was present to oversee implementation of the May 2021 Phase II Remedial Investigation (RI) and Interim Remedial Measures (IRM) Work Plan for Brownfield Cleanup Program (BCP) Site No. C224256 (145-165 Wolcott Street).

Work Activities Performed:

- Hager Richter completed a geophysical survey. Results of the geophysical survey and subsequent test pit investigation will be included in the Construction Completion Report.

Samples Collected:

- No samples were collected.

Community Air Monitoring Program:

- No intrusive work completed; CAMP not implemented.

Particulate Monitoring (µg/m^3)			Organic Vapor Monitoring (ppm)		
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	N/A	N/A	Daily Time Weighted Average	N/A	N/A
Maximum 15-min Average	N/A	N/A	Maximum 15-min Average	N/A	N/A
Minimum 1-min Instant Reading	N/A	N/A	Minimum 1-min Instant Reading	N/A	N/A
Maximum 1-min Instant Reading	N/A	N/A	Maximum 1-min Instant Reading	N/A	N/A

µg/m^3-micrograms per cubic meter. ppm= parts per million.

Problems Encountered:

- None

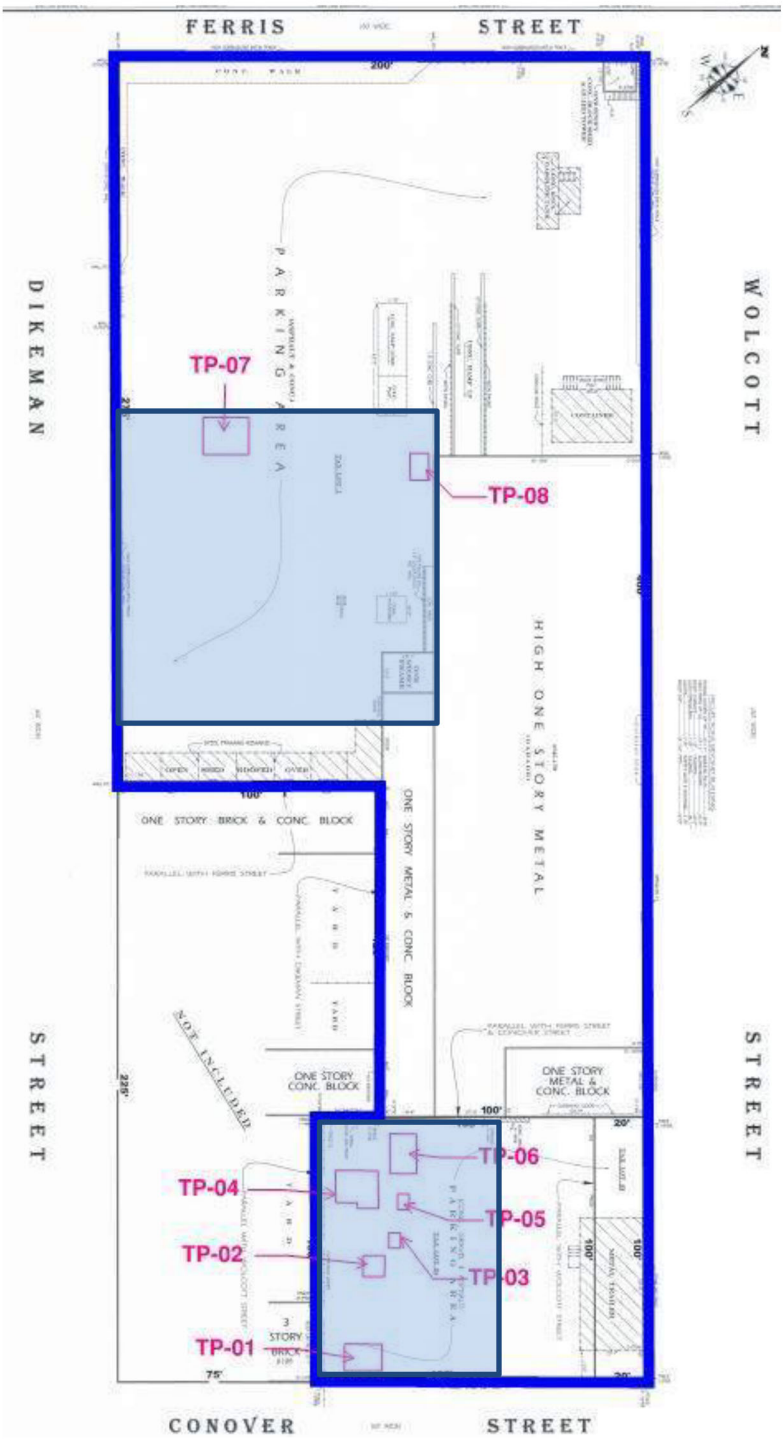
Planned Activities for the Next Day/Week:

- Phase II RI implementation to continue with test pits and well gauging on June 1, 2021.

Material Tracking:

- No material was exported from the site.
- No material was imported to the site.

SITE PLAN



LEGEND

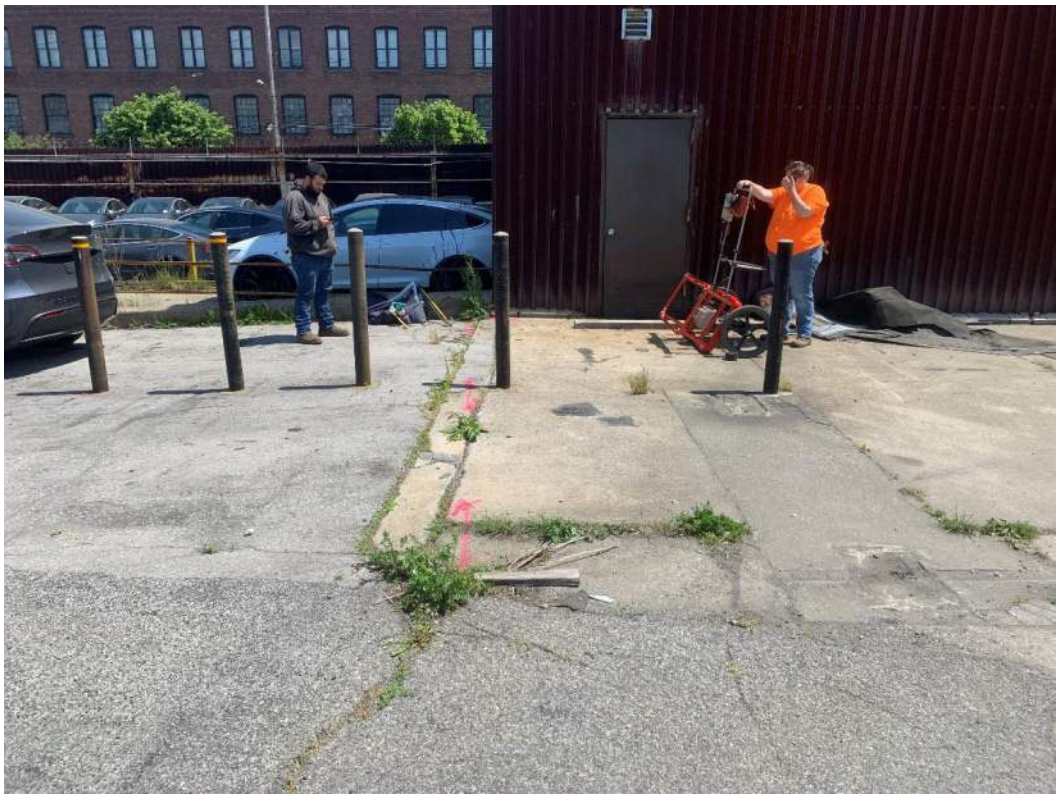
- SITE BOUNDARY
- UPWIND CAMP STATION
- DOWNWIND CAMP STATION
- STOCKPILE
- APPROXIMATE WORK AREA
- EXCAVATION AREA

File Name: 2021-05-25 Daily Field Report - 02

Photo Log

Photo 1: View of Hager Richter performing Geophysical Survey around TP-06.	
Photo 2: View of TP-03 mark out.	

File Name: 2021-05-25 Daily Field Report - 02

Photo 3: View of Hager Richter performing Geophysical Survey around TP-02.	
Photo 4: View of Hager Richter performing Geophysical Survey around TP-08.	

DAILY FIELD REPORT – Day 03

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Sunny	
TEMP.	< 32		32-50		50-70		70-85	X	>85	

BCP Project No:	C224256	Langan Project No:	170562201	Date/Time:	June 1, 2021 07:00 – 15:30
Project Name:	145-165 Wolcott Street				

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology D.P.C.	Langan Field Engineer: Farielle Brazier
Contractors: AARCO (Daybi Pacheco, Julio Cabrera)	

Langan was present to oversee implementation of the May 2021 Phase II Remedial Investigation (RI) and Interim Remedial Measures (IRM) Work Plan for Brownfield Cleanup Program (BCP) Site No. C224256 (145-165 Wolcott Street).

Work Activities Performed:

- AARCO used a Bobcat E35 excavator to advance three test pits (TP-01, TP-02, and TP-03) in the southern part of the site to approximately 6-feet, 1.5-feet, and 5-feet below grade surface (bgs), respectively. Excavated material consisted of historic fill and was screened for odors, staining, and organic vapors using a photoionization detector (PID). Evidence of impacts was not observed. Layers of brick and concrete were encountered below the ground surface. The excavated material was temporarily stockpiled adjacent to each test pit, then used to backfill each test pit by the end of the day.
- Langan gauged existing monitoring wells MW-003, MW-005, and MW-011.

Monitoring Well	PID Reading (ppm)	Depth to Water (ft)	Depth to Bottom (ft)
MW-003	12.8	10.57	20.30
MW-005	3	11.99	19.70
MW-011	0	8.17	18.5

Samples Collected:

- No samples were collected.

Community Air Monitoring Program:

- Langan performed air monitoring at the perimeter of the site at two locations (one downwind station and one upwind station), and included monitoring for particulates less than 10 µm in diameter (PM10) and Volatile Organic Compounds (VOCs). No particulates or VOCs exceeded the action levels established in the monitoring plan. No fugitive dust or odors associated with intrusive activities were observed migrating off-site.

Particulate Monitoring (µg/m^3)			Organic Vapor Monitoring (ppm)		
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	N/A	N/A	Daily Time Weighted Average	N/A	N/A
Maximum 15-min Average	0.049	0.056	Maximum 15-min Average	0.3	0.2
Minimum 1-min Instant Reading	0.019	0.011	Minimum 1-min Instant Reading	0.2	0.0
Maximum 1-min Instant Reading	0.063	0.146	Maximum 1-min Instant Reading	0.4	0.3

µg/m^3-micrograms per cubic meter. ppm= parts per million.

File Name: 2021-06-01 Daily Field Report - 03

Problems Encountered:

- The manhole and protective metal skirt for MW-011 was damaged during the excavation of TP-01. The well casing does not appear to be damaged. The well manhole and protective metal skirt will be replaced on June 2, 2021.

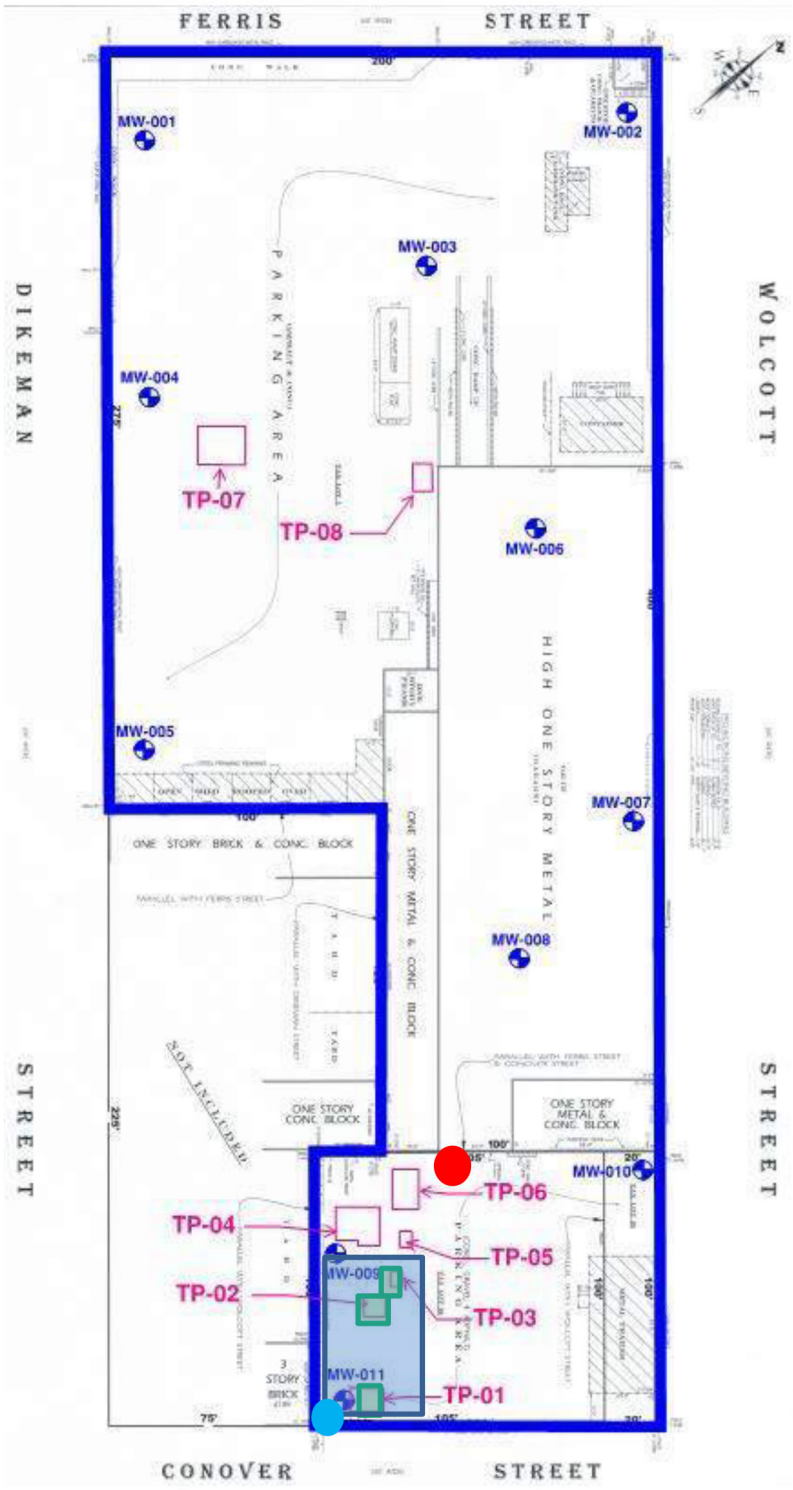
Planned Activities for the Next Day/Week:

- Phase II RI implementation to continue with test pits and well gauging.
- AARCO will replace the manhole and protective metal skirt for MW-011.

Material Tracking:

- No material was exported from the site.
- No material was imported to the site.

SITE PLAN



LEGEND

- SITE BOUNDARY
- UPWIND CAMP STATION
- DOWNWIND CAMP STATION
- STOCKPILE
- APPROXIMATE WORK AREA
- EXCAVATION AREA

File Name: 2021-06-01 Daily Field Report - 03

Photo Log

Photo 1: View of AARCO excavating TP-02.	
Photo 2: View of TP-02.	

File Name: 2021-06-01 Daily Field Report - 03

Photo 3: View of TP-03.	

DAILY FIELD REPORT – Day 05

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Sunny	
TEMP.	< 32		32-50		50-70	X	70-85	X	>85	

BCP Project No:	C224256	Langan Project No:	170562201	Date/Time:	June 3, 2021 07:00 – 13:00
Project Name:	145-165 Wolcott Street				

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology D.P.C.	Langan Field Engineer: Farielle Brazier
Contractors: AARCO (Daybi Pacheco, Julio Cabrera, Charles Blumberg)	

Langan was present to oversee implementation of the May 2021 Phase II Remedial Investigation (RI) and Interim Remedial Measures (IRM) Work Plan for Brownfield Cleanup Program (BCP) Site No. C224256 (145-165 Wolcott Street).

Work Activities Performed:

- AARCO used a Bobcat E35 excavator to advance TP-07 in the northwestern part of the site. The 5-foot by 5-foot excavation was advanced to approximately 5-feet below grade surface (bgs). Excavated material consisted of historic fill and was screened for odors, staining, and organic vapors using a photoionization detector (PID). Evidence of impacts was not observed. Excavated material was stockpiled adjacent to the test pit. An approximately 1-foot layer of reinforced concrete was encountered below the asphalt. Stockpiled material was used to backfill the test pit following completion. Approximately 11.5 cubic yards (cy) of asphalt removed from TP-07 was stockpiled for future disposal.
- AARCO patched test pits TP-05 and TP-07 using asphalt cold patch and/or metal road plates.
- Langan collected two sediment samples within a ditch culvert to the northwest of the building.
- Langan gauged existing monitoring wells MW-001, MW-002, MW-004, MW-006, and MW-008:

Monitoring Well	PID Reading (ppm)	Depth to Product (ft)	Product Thickness (ft)	Depth to Water (ft)
MW-001	5.2	N/A	N/A	11.52
MW-002	84.8	7.44	0.9	8.34
MW-004	16.1	N/A	N/A	11.86
MW-006	0.0	N/A	N/A	11.38
MW-008	123.0	8.78	1.48	10.26

Samples Collected

- The following soil samples were submitted to Alpha Analytical Laboratories, Inc. (Alpha) of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory under standard chain-of-custody protocols. Soil samples will be analyzed for volatile organic carbons (VOCs), semi-volatile organic carbons (SVOCs), polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals:
  - CS-01_060321
  - CS-02_060321
- The following light non-aqueous phase liquid (LNAPL) samples were submitted to Alpha for Petroleum Hydrocarbon Identification (PHI) or "fingerprint" analysis:
  - MW-002_FP_060321
  - MW-008_FP_060321

Community Air Monitoring Program:

- The CAMP was not implemented due to rain.

Problems Encountered:

- None

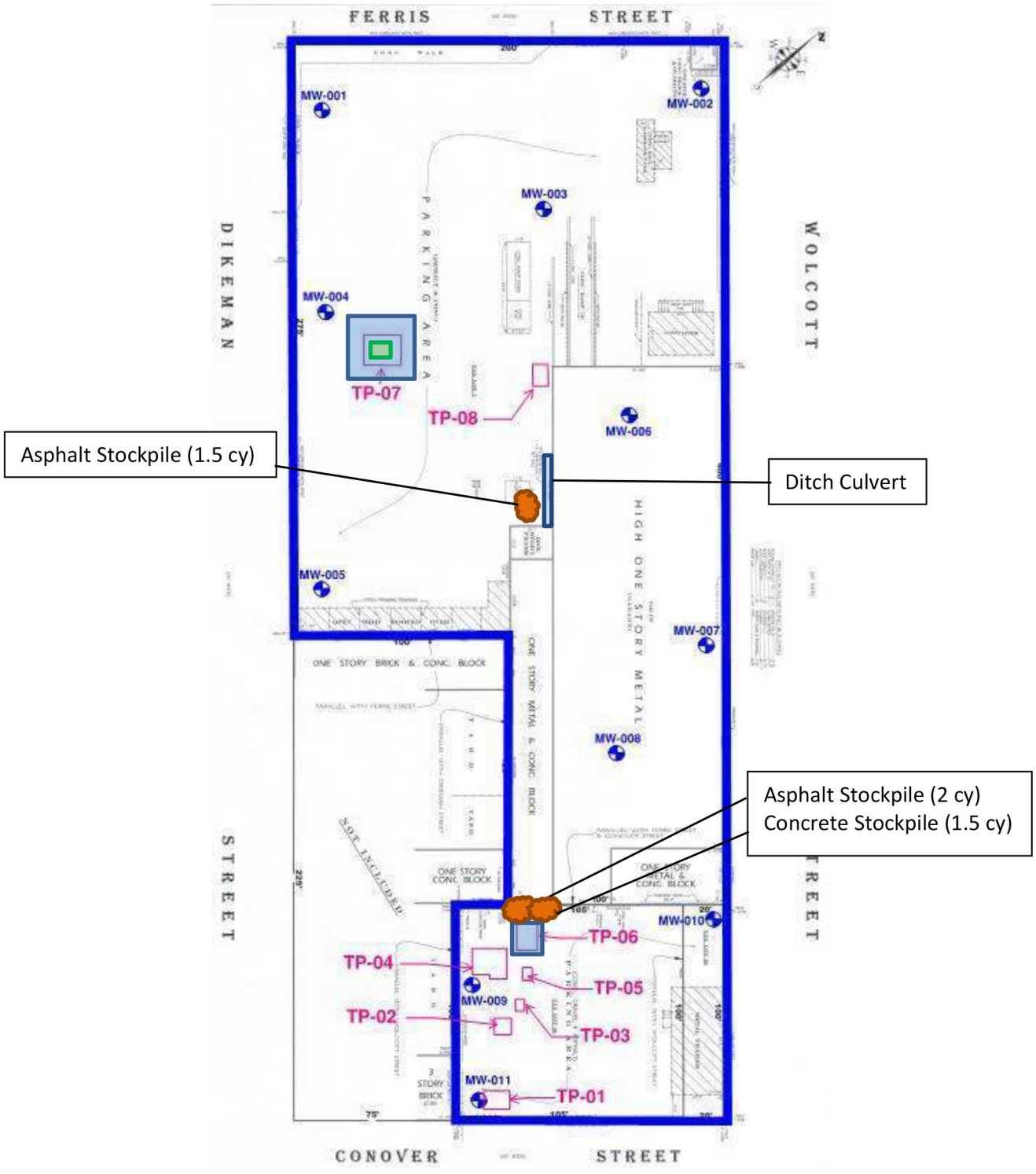
Planned Activities for the Next Day/Week:

- None; Phase II RI scope completed.

Material Tracking:

- No material was exported from the site.
- No material was imported to the site.

SITE PLAN



LEGEND

- SITE BOUNDARY
- UPWIND CAMP STATION
- DOWNWIND CAMP STATION
- STOCKPILE
- APPROXIMATE WORK AREA
- EXCAVATION AREA

File Name: 2021-06-03 Daily Field Report - 05

Photo Log

Photo 1: View of AARCO excavating TP-07.	
Photo 2: View of AARCO tamping asphalt cold patch at TP-04.	

File Name: 2021-06-03 Daily Field Report - 05

Photo 3: View of TP-07 excavated to 5 feet bgs.	
Photo 4: View of AARCO tamping asphalt cold patch surrounding a road plate used to restore ground surface at TP-07.	

APPENDIX E

Photographic Log

Photograph 1 – Example view of test pit mark out (view of TP-03), facing northwest (05/25/2021)

Photograph 2 – View of AARCO advancing TP-02, facing east (06/01/2021)

Photograph 3 – View of the interior of TP-02, including a metal plate atop a brick and concrete wall, facing east (06/01/2021)

Photograph 4 – View of the interior of TP-03, including metal plates, facing northwest (06/01/2021)

Photograph 5 – View of the interior of TP-06, including a metal plate atop reinforced concrete, facing southwest (06/02/2021)

Photograph 6 – View of the interior of TP-05, including an abandoned drum, facing southwest (06/02/2021)

Photograph 7 – View of the interior of TP-07, including reinforce concrete, facing north (06/03/2021)

Photograph 8 – Example view of surface restoration with cold patch following test pit advancement at TP-04, facing northwest (06/03/2021)

APPENDIX F

Geophysical Survey Report

GEOPHYSICAL SURVEY
145 WOLCOTT STREET
BROOKLYN, NEW YORK

Prepared for:

LANGAN
21 Penn Plaza
360 W 31st Street, 8th Floor
New York, New York 10001-2727

Prepared by:

Hager-Richter Geoscience, Inc.
dba HR Geological Services in New York
846 Main Street
Fords, New Jersey 08863

File 21AM10
June, 2021

HAGER-RICHTER
GEOSCIENCE, INC.

GEOPHYSICS FOR THE ENGINEERING COMMUNITY
SALEM, NEW HAMPSHIRE
Tel: 603.893.9944
FORDS, NEW JERSEY
Tel: 732.661.0555

June 24, 2021
File 21AM10

Stuart Knoop
Senior Project Manager
LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727

Tel: 212.479.5461
Cell: 917.941.2831
Email: sknoop@langan.com

RE: Geophysical Survey
145 Wolcott Street
Brooklyn, New York

Dear Mr. Knoop:

In this report, we summarize the results of a geophysical survey conducted by Hager-Richter Geoscience, Inc., dba HR Geological Services in New York, (HRGS) at the above referenced site in Brooklyn, New York for LANGAN in May 2021. The scope of the survey and area of interest were specified by LANGAN.

INTRODUCTION

The site is an active commercial property located at 145 Wolcott Street in Brooklyn, New York. Figure 1 shows the general location of the site. LANGAN plans on conducting eight test pits (identified as TP-01 through TP-08) in two specified areas of interest (AOIs) at the site. The northern (Area 1) and southern (Area 2) areas of interest are approximately 6,000 and 8,000 square feet in size, respectively. Figure 2 shows the approximate locations of the two AOIs.

LANGAN required a geophysical survey to determine the locations of possible underground storage tanks (USTs) and subsurface utilities within the accessible portions of the AOIs. LANGAN is also interested in determining the location of a drainage culvert in Area 1 near the northwest corner of the site building.

OBJECTIVE

The objective of the geophysical survey is to detect, and if detected, to locate possible USTs, subsurface utilities, and a drainage culvert in the accessible portions of the specified areas.

THE SURVEY

Alexis Martinez, Amanda Fabian, PG, and Justin Covert of HRGS conducted the geophysical survey on May 25th, 2021. The project was coordinated with Mr. Knoop. Mr. Andrew Nesci, also of LANGAN, was present during the field survey and specified the AOIs.

The geophysical survey was conducted using three complementary methods: time domain electromagnetic induction metal detection (EM), ground penetrating radar (GPR), and precision utility location (PUL). The EM data were acquired at approximately 8-inch intervals along lines spaced 5 feet apart across the accessible portions of the specified AOIs. The EM survey detects buried metal. However, the EM method cannot provide information on the type of objects causing an EM anomaly. No EM survey was conducted in Area 2, near TP-01, TP-02 and TP-03 due to the presence of two large vehicles which could not completely be removed from that portion of the AOI.

GPR data were acquired along traverses oriented in two mutually perpendicular directions, with lines spaced no more than 5 feet apart across the accessible portions of the AOIs. The GPR method can detect both metal and nonmetal objects.

The PUL method was used to search for subsurface utilities in the areas of interest by passively searching for signals from active electric lines and by actively tracing signals applied by direct connections to accessible utility structures such as light poles.

EQUIPMENT

EM61. The EM survey was conducted using a Geonics EM61-MK2 time domain electromagnetic induction metal detector. The EM61-MK2 instrument was designed specifically for detecting buried metal objects such as utilities, underground storage tanks (USTs), and drums. An air-cored transmitter coil generates a pulsed primary magnetic field in the earth, thereby inducing eddy currents in nearby metal objects. The eddy current produces a secondary magnetic field that is sensed by two receiver coils, one coincident with the transmitter and one positioned 40 cm above the main coil. By measuring the secondary magnetic field after the current in the ground has dissipated but before the current in metal objects has dissipated, the instrument responds only to the secondary magnetic field produced by metal objects. Four channels of secondary response are measured in mV and are recorded on a digital data logger. The system is generally operated by pushing the coils configured as a wagon with an odometer mounted on the axle to trigger the data logger automatically at approximately 8-inch intervals.

GPR. The GPR survey was conducted using a Geophysical Survey Systems, Inc. UtilityScan Hyper Stacking digital GPR system using a 350 MHZ antenna with 50 ns time window. GPR uses a high-frequency electromagnetic pulse (referred to herein as “radar signal”) transmitted from a radar antenna to probe the subsurface. The transmitted radar signals are reflected from subsurface interfaces of materials with contrasting electrical properties. Travel

times of the radar signal can be converted to approximate depth below the surface by correlation with targets of known depths and by a curve matching routine. We monitor the acquisition of GPR data in the field and record the GPR data digitally for subsequent processing. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

Data from the GPR survey were processed using RADAN 7.4 GPR processing software from Geophysical Survey Systems, Inc. We reviewed profile images of the GPR data. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

PUL. The PUL survey was conducted using a Radiodetection RD 7000 series PUL instrument. The RD 7000 series consists of separate transmitter and receiver. The system can be used in "passive" and "active" modes to locate buried pipes by detecting electromagnetic signals carried by the pipes. In the "passive" mode, only the receiver unit is used to detect signals carried by the pipe from nearby power lines, live signals transmitted along underground power cables, or very low frequency radio signals resulting from long wave radio transmissions that flow along buried conductors. In the "active" mode of operation, the transmitter is used to induce a signal on a target pipe, and the receiver is used to trace the signal along the length of the pipe. Our system uses a 10W transmitter.

LIMITATIONS OF THE METHODS

> HRGS MAKES NO GUARANTEE THAT ALL TARGETS WERE DETECTED IN THIS SURVEY. HRGS IS NOT RESPONSIBLE FOR DETECTING TARGETS THAT CANNOT BE DETECTED BY THE METHODS EMPLOYED OR BECAUSE OF SITE CONDITIONS. GPR SIGNAL PENETRATION MIGHT NOT BE SUFFICIENT TO DETECT ALL TARGETS.

Field mark-outs. Utilities detected by the PUL method at the time of the survey are marked in the field. Adverse weather and site conditions (rain, snow, snow and soil piles, uneven surfaces, high traffic, etc.) can hamper in-field interpretation. Mark-outs made on wet pavement, snow, snow piles, gravel surfaces, or in active construction zones may not last. HRGS is not responsible for maintaining utility mark-outs after leaving the work area.

EM61. The EM61 cannot detect non-metallic objects. The data from an EM61 survey are adversely affected by surface metal. The EM61 has a depth sensitivity limited to about 12 feet. The instrument is relatively cumbersome and works best where the transmit and receive coils can be hand pushed in a small wagon.

Detection and identification should be clearly differentiated. Detection is the recognition of the presence of a metal object, and the electromagnetic method is excellent for such purposes. Identification, on the other hand, is determination of the nature of the causative body (i.e., what

is the body -- a cache of drums, UST, automobile, white goods, etc.?). Although the EM data cannot be used to identify all buried metal objects, they provide excellent guides to the identification of some objects. For example, buried metal utilities produce anomalies with lengths many times their widths.

GPR. There are limitations of the GPR technique as used to detect and/or locate targets such as those of the objectives of this survey. Limitations include: (1) surface conditions, (2) electrical conductivity of the ground, (3) contrast of the electrical properties of the target and the surrounding soil, and (4) spacing of the traverses. Of these restrictions, only the last is controllable by us.

The condition of the ground surface can affect the quality of the GPR data and the depth of penetration of the GPR signal. Sites covered with snow piles, high grass, bushes, landscape structures, debris, obstacles, soil mounds, etc. limit the survey access and the coupling of the GPR antenna with the ground. In many cases, the GPR signal will not penetrate below concrete pavement, especially inside buildings, and a target may not be detectable. The GPR method also commonly does not provide useful data under canopies found at some facilities.

The electrical conductivity of the ground determines the attenuation of the GPR signal and thereby limits the maximum depth of exploration. For example, the GPR signal does not penetrate clay-rich soils, and targets buried in clay might not be detected. A definite contrast in the electrical conductivities of the surrounding ground and the target material is required to obtain a reflection of the GPR signal. If the contrast is too small, possibly due to construction details or deeply corroded metal in the target, then the reflection may be too weak to recognize, and the target can be missed.

Spacing of the traverses is limited by access at many sites, but where flexibility of traverse spacing is possible, the spacing is adjusted to the size of the target. The GPR operator controls the spacing between lines, and the design of the survey is based on the dimensions of the smallest feature of interest. Targets with dimensions smaller than the spacing between GPR survey lines can be missed.

PUL. The PUL equipment cannot detect non-metallic utilities, such as pipes constructed of vitrified clay, transite, plastic, PVC, and unreinforced concrete, when used in passive mode alone. Such pipes can be detected if a wire tracer is installed with access to such tracer for transmission of a signal or where access (such as floor drains and clean-outs) permits insertion of a device on which a signal can be transmitted. In some, but not all cases, the subsurface utility designation equipment cannot detect metal utilities reliably under reinforced concrete because the signal couples onto the metal reinforcing in the concrete. Similarly, the method commonly cannot be used adjacent to grounded metal structures such as chain link fences and metal guardrails. In congested areas, where several utilities are bundled or located within a short distance of each other, the signal transmitted on one utility can couple onto adjacent utilities, and the accuracy of the location indicated by the instrument decreases.

RESULTS

General. The geophysical survey was conducted using the EM61, GPR, and PUL methods across the accessible portions of the two areas of interest specified by LANGAN. Figure 2 shows the approximate limits of the geophysical survey. The color contour plot of the EM61 response is shown in the left side of Figures 3 and 4 for Areas 1 and 2, respectively. The results of the GPR survey along with the integrated interpretation of the geophysical data are shown in the right side of Figures 3 and 4 for Areas 1 and 2, respectively.

EM61. The EM61 data were acquired at approximately 8-inch intervals along survey lines spaced 5 feet apart across the accessible portions of the AOIs. Interpretation of EM61 data is based on the relative response of the instrument in millivolts to local conditions. The instrument is not calibrated to provide an absolute measure of a particular property, such as the conductivity of the soil or the strength of the earth's magnetic field. Subsurface metal objects produce sharply defined positive anomalies when the EM61 is positioned directly over them. Acquiring data at short intervals along closely spaced lines, as was done at the subject site, provides high spatial resolution of the location and footprint of the targets. Thus, buried metal is recognized in contour plots of EM61 data by positive anomalies with spatial dimensions roughly corresponding to the dimensions of the buried metal.

Several moderate- to high-amplitude EM anomalies (green to red areas) are present within the two areas of interest. Some anomalies are attributed to surface features such as chain link fencing, vehicles, and metal plates. The locations of anomalies attributed to surface metal objects are depicted as blue hatched areas in the integrated interpretations shown in Figures 3 and 4. We note that the presence or absence of subsurface metal in such areas cannot be determined based on the EM data alone because of the anomalies caused by the surface metal objects.

A few moderate amplitude EM anomalies not attributable to surface metal are evident in both Area 1 and Area 2 and are attributed to areas of buried metal. The locations of the interpreted areas of buried metal are shown as red crosshatched areas in the integrated interpretation portion (right panel) of Figures 3 and 4. The GPR records for the locations of EM anomalies were carefully examined to determine the cause of the anomalies. When no specific cause can be determined, the EM anomaly is simply attributed to buried metal.

GPR Survey and Integrated Interpretation.

For Area 1, apparent GPR signal penetration was generally poor, with two-way travel time reflections received from about 5 to 10 ns. Based upon site specific velocity matching calibrations, the GPR signal penetration is estimated to have been 1-1.5 feet.

For Area 2, apparent GPR signal penetration was generally fair, with two-way travel time reflections received from about 30 -35 ns. Based upon site-specific velocity matching

calibrations made for the site, the GPR signal penetration is estimated to have been about 3.5-4 ft.

GPR reflections typical for underground storage tanks (USTs) were not observed in the GPR records. Careful examination of the GPR records at the locations of EM anomalies did not reveal the presence of USTs. No drainage culvert was detected with the GPR, however, a possible utility near the northwest corner of the building in Area 1 was identified in the GPR records where the target drainage culvert was expected. Other possible utilities or segments of utilities of unknown nature are shown as black-dashed lines on Figures 3 and 4.

GPR records at the EM anomalies in coincidence with proposed test pit locations exhibit planar reflections interpreted as buried, regularly shaped flat-topped structures. In Area 2, the GPR records for some of these structures may indicate the presence of an empty space beneath and are interpreted as possible vaults, identified with a blue hatch in Figure 4.

Whether other buried structures such as utilities, USTs, or drainage culverts occur at a depth greater than the effective depth of investigation of the GPR or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

PUL. The PUL was attached to pipes near the northwest corner of the site building. We also conducted a PUL survey in "passive" mode at both AOIs to detect signals carried by utilities from nearby power lines. Possible utilities were identified in both AOIs with the PUL. Each of the detected utilities were confirmed with the GPR method.

CONCLUSIONS

Based upon the geophysical survey conducted by HRGS at 145 Wolcott Street, in Brooklyn, New York in May 2021, we conclude:

- No USTs or drainage culvert were detected within the effective depth of penetration of the GPR signal (about 1-1.5 feet in the North AOI and 3.5-4 feet in the South AOI).
- Several possible vaults and/or buried structures were detected.
- Unidentified segments of possible utilities were detected.
- Areas of buried metal were detected.

LIMITATIONS ON USE OF THIS REPORT

This letter report was prepared for the exclusive use of LANGAN and its clients (Collectively Client). No other party shall be entitled to rely on this Report, or any information, documents, records, data, interpretations, advice, or opinions given to Client by Hager-Richter Geoscience, Inc. (HRGS) in the performance of its work. The Report relates solely to the specific project for which HRGS has been retained and shall not be used or relied upon by Client or any third party

for any variation or extension of this project, any other project or any other purpose without the express written permission of HRGS. Any unpermitted use by Client or any third party shall be at Client's or such third party's own risk and without any liability to HRGS.

HRGS has used reasonable care, skill, competence and judgment in the performance of' its services for this project consistent with professional standards for those providing similar services at the same time, in the same locale, and under like circumstances. Unless otherwise stated, the work performed by HRGS should be understood to be exploratory and interpretational in character and any results, findings or recommendations contained in this Report or resulting from the work proposed may include decisions which are judgmental in nature and not necessarily based solely on pure science or engineering. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

Except as expressly provided in this limitations section, HRGS makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed. If you have any questions or comments on this letter report, please contact us at your convenience. It has been a pleasure to work with LANGAN on this project. We look forward to working with you again in the future.

Sincerely,
HAGER-RICHTER GEOSCIENCE, INC.
dba HR Geological Services in NY

José Carlos Cambero Calzada, P.G. (NY 000899)
Senior Geophysicist

Amanda Fabian, P.G. (NY 000567)
Geophysicist

Attachments: Figures 1-4

N

H-R

APPROXIMATE SCALE (feet)

0 500 1000

NY

LOCATION

NOTE:

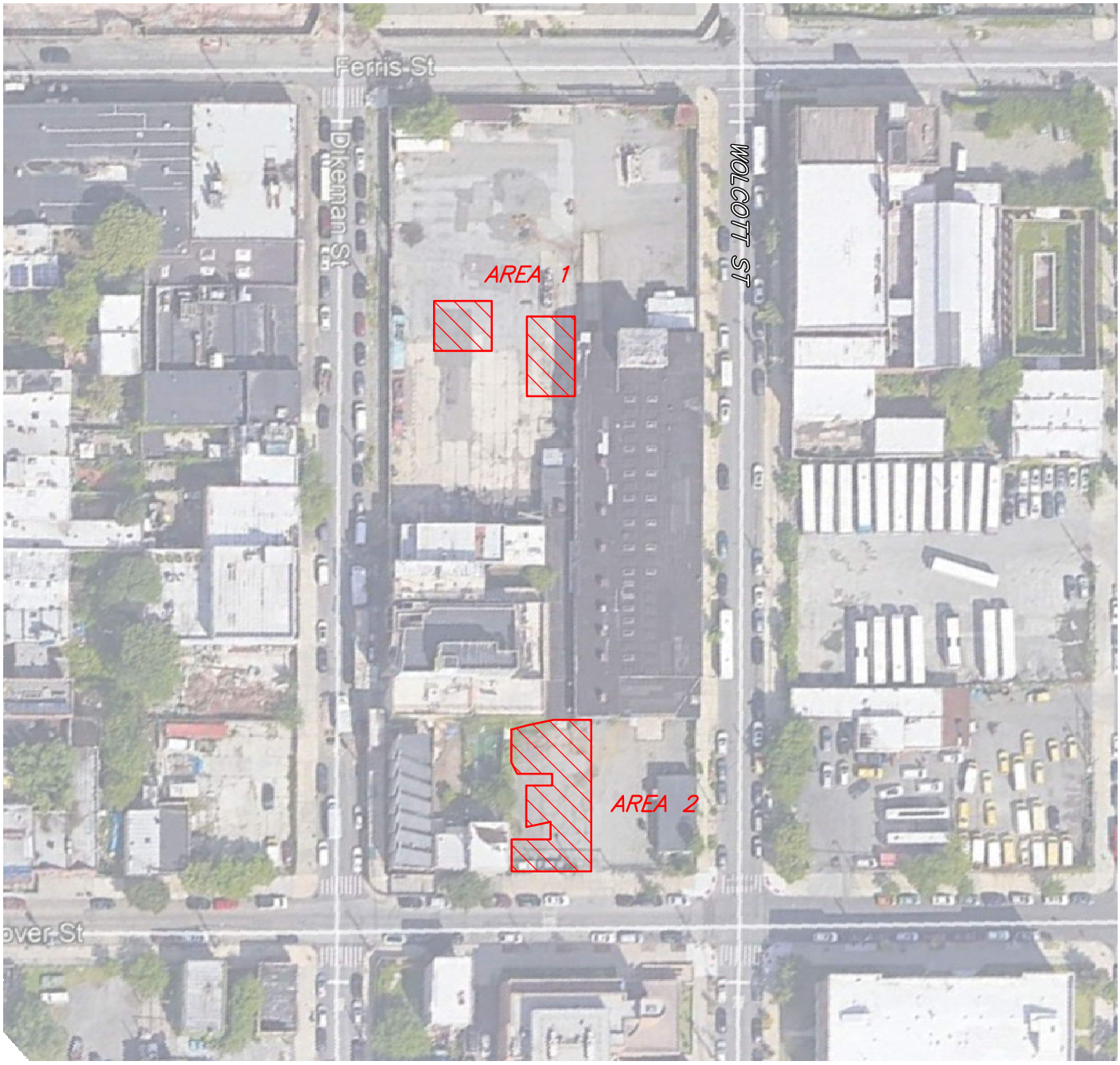
Modified from Google Earth Pro aerial photograph.

* DBA HR Geological Services in New York

Figure 1
General Site Location
145 Wolcott Street
Brooklyn, New York

File 21AM10 | June, 2021

HAGER–RICHTER*
Salem, NH | Fords, NJ



N

H-R

LEGEND

APPROXIMATE LIMITS OF GEOPHYSICAL SURVEY AREA

APPROXIMATE SCALE (feet)

0 100 200

NOTE:

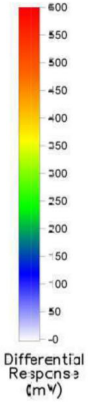
Modified from Google Earth Pro aerial photograph.

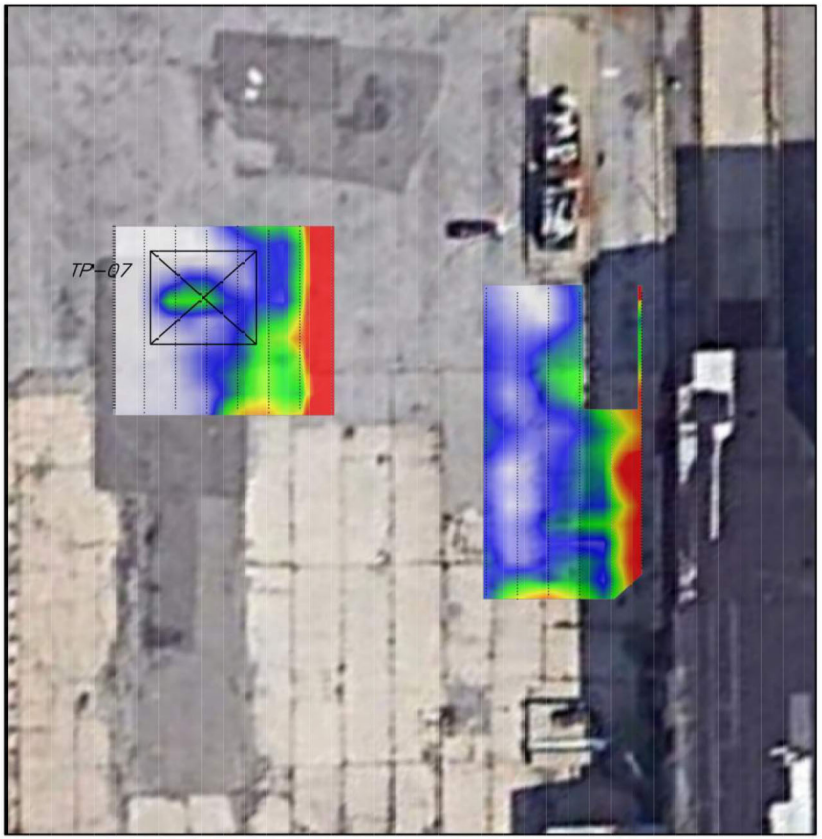
Figure 2
Survey Area Locations
145 Wolcott Street
Brooklyn, New York

File 21AM10 | June, 2021

HAGER–RICHTER*
Salem, NH | Fords, NJ

* DBA HR Geological Services in New York





EM SURVEY

GPR SURVEY & INTEGRATED INTERPRETATION

LEGEND

- EM DATA STATIONS
- GPR TRAVERSE
- APPROXIMATE LIMITS OF EM SURVEY AREA
- AREA OF POSSIBLE BURIED METAL
- POSSIBLE UTILITY
- AREA OF BURIED REINFORCED CONCRETE
- EM ANOMALY ATTRIBUTED TO EFFECTS OF SURFACE OBJECTS. (SEE TEXT)
- TEST PIT

SCALE (feet)

0 20 40

NOTES:

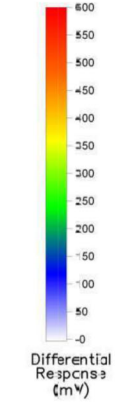
1. Modified from Google Earth Pro aerial photograph.
2. EM data were acquired with Geonics EM61-MK2. Differential response shown.
3. Differential response equals top coil response – bottom coil response.

* DBA HR Geological Services in New York

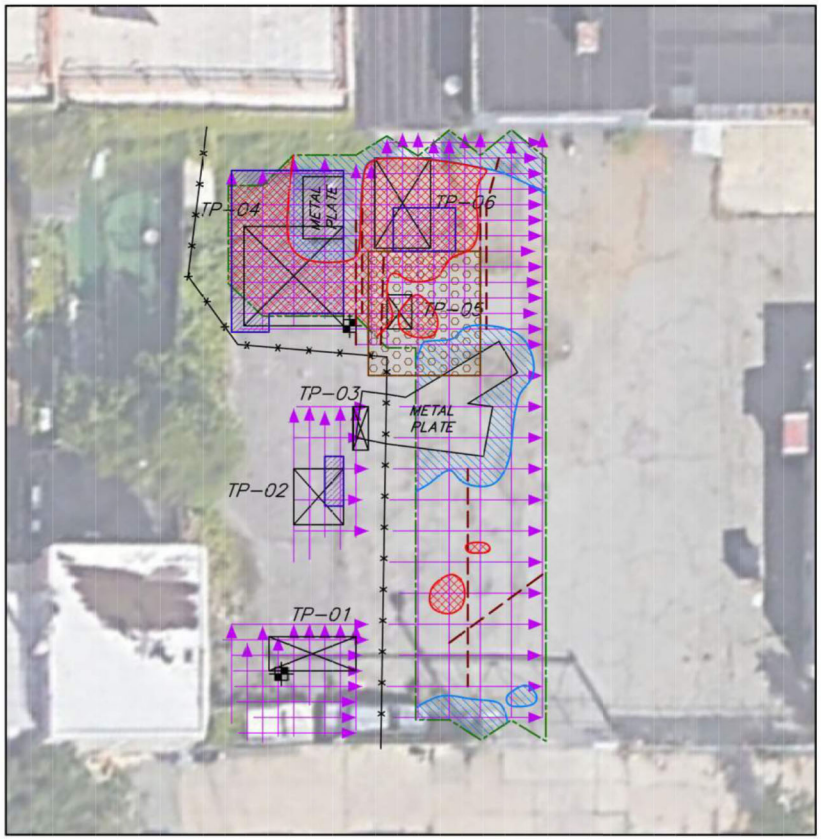
Figure 3
Geophysical Survey & Integrated Interpretation – Area 1
145 Wolcott Street
Brooklyn, New York

File 21AM10 | June, 2021

HAGER-RICHTER*
Salem, NH | Fords, NJ



EM SURVEY



GPR SURVEY & INTEGRATED INTERPRETATION

LEGEND

- EM DATA STATIONS
- GPR TRAVERSE
- APPROXIMATE LIMITS OF EM SURVEY AREA
- AREA OF POSSIBLE BURIED METAL
- POSSIBLE UTILITY
- UNIDENTIFIED BURIED STRUCTURE
- POSSIBLE VAULT/ UNIDENTIFIED BURIED STRUCTURE
- EM ANOMALY ATTRIBUTED TO EFFECTS OF SURFACE OBJECTS. (SEE TEXT)
- MONITORING WELL
- TEST PIT
- FENCE

SCALE (feet)

0 20 40

NOTES:

1. Modified from Google Earth Pro aerial photograph.
2. EM data were acquired with Geonics EM61-MK2. Differential response shown.
3. Differential response equals top coil response – bottom coil response.

* DBA HR Geological Services in New York

Figure 4
Geophysical Survey & Integrated Interpretation – Area 2
145 Wolcott Street
Brooklyn, New York

File 21AM10 | June, 2021

HAGER-RICHTER*
Salem, NH | Fords, NJ

APPENDIX G

Test Pit Logs

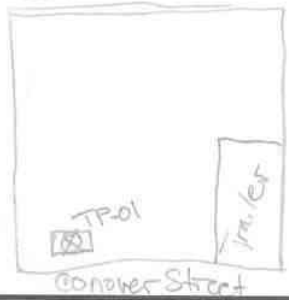
LANGAN

LOG OF TEST PIT TP-01 SHEET 1 OF 1

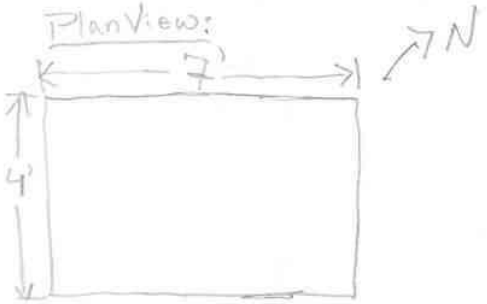
PROJECT: 145 Wolcott Street	PROJECT NO.: 170562201		
LOCATION: Brooklyn, NY	ELEVATION AND DATUM: N/A		
EXCAVATION EQUIPMENT: Bobcat E-35 excavator, handshovel	DATE STARTED: 6/1/2021	DATE FINISHED: 6/1/2021	
INSPECTOR: Tanielle Brazier	COMPLETION DEPTH: 5 feet	WATER DEPTH: N/A	

PLAN VIEW AND NOTES N.T.S.

Location:



Plan View:

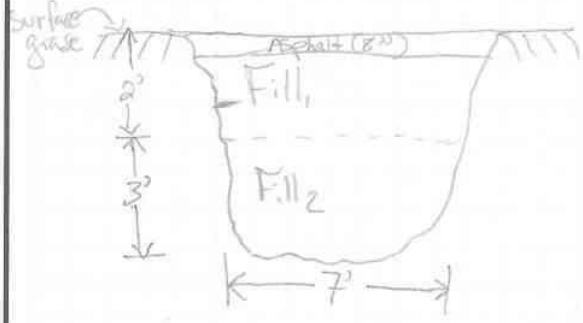


Notes:

- Max PID reading = 3ppm
- Old electrical line encountered about 1.5ft bgs.
- Backfilled and patched with asphalt cold patch.

X-SECTION(S) AND SOIL DESCRIPTIONS N.T.S.

Cross section:



Soil Type

Fill1: Orange brown fine Sand with fine gravel, brick and concrete (dry).

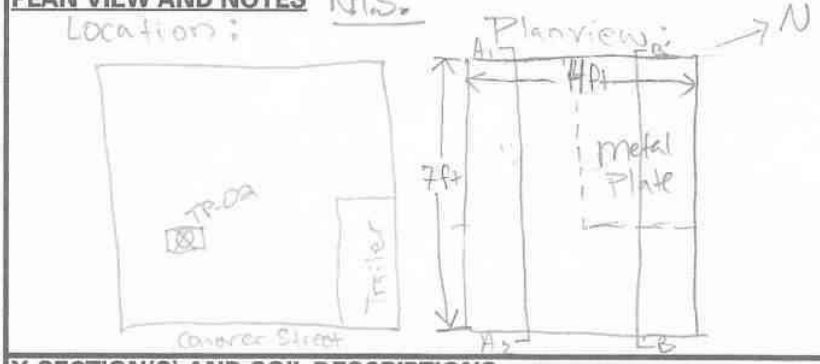
Fill2: Dark brown fine Sand with brick and concrete (dry).

LANGAN

LOG OF TEST PIT TP-02 SHEET 1 OF 1

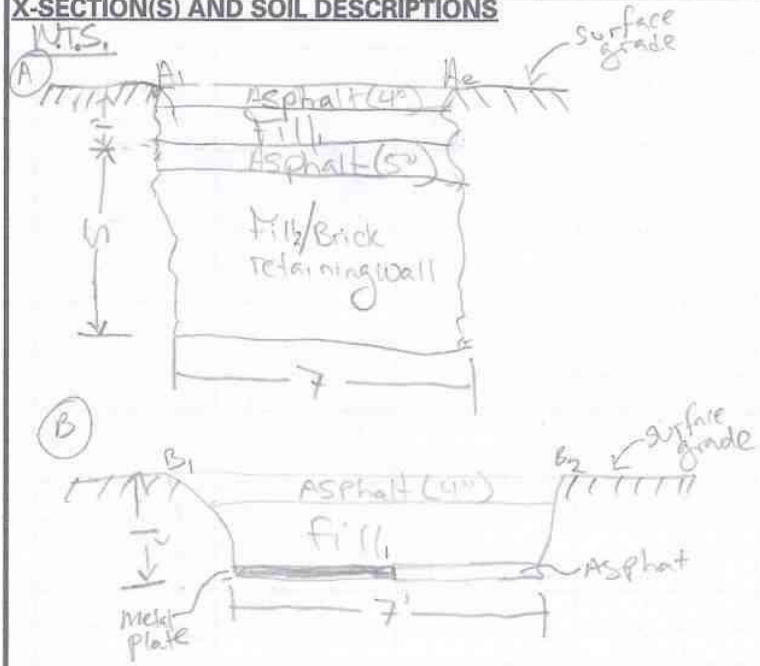
PROJECT 145 Wolcott Street	PROJECT NO. 170562201		
LOCATION Brooklyn, NY	ELEVATION AND DATUM N/A		
EXCAVATION EQUIPMENT Bobcat E-35 excavator, hand tools	DATE STARTED 6/1/2021	DATE FINISHED 6/1/2021	
INSPECTOR Farielle Braziel	COMPLETION DEPTH 6 feet	WATER DEPTH N/A	

PLAN VIEW AND NOTES N.T.S.



Notes:
- metal plate and second asphalt slab encountered approximately 1ft below grade surface (bgs).
- Max PID reading: 41.5ppm.
- Back-filled with excavated soil and patched with asphalt cold patch.

X-SECTION(S) AND SOIL DESCRIPTIONS



Soil Type:

Fill1: Black - dark brown medium sand, with fine gravel, asphalt and brick (dry).

Fill2: Orange brown fine sand with fine gravel and brick (dry).

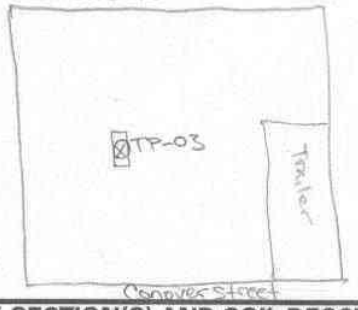
LANGAN

LOG OF TEST PIT TP-03 SHEET 1 OF 1

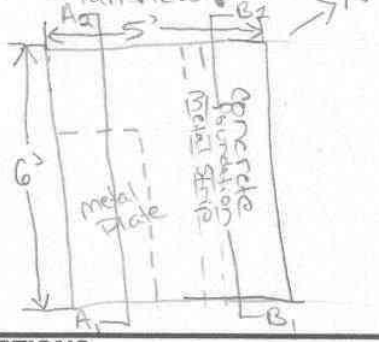
PROJECT 145 Wolcott Street	PROJECT NO. 170562801		
LOCATION Brooklyn, NY	ELEVATION AND DATUM N/A		
EXCAVATION EQUIPMENT Bobcat E-35 excavator, hand tools	DATE STARTED 6/1/2021	DATE FINISHED 6/1/2021	
INSPECTOR Farielle Braziers	COMPLETION DEPTH 1.6 feet	WATER DEPTH N/A	

PLAN VIEW AND NOTES N.T.S.

Location:



Plan view:

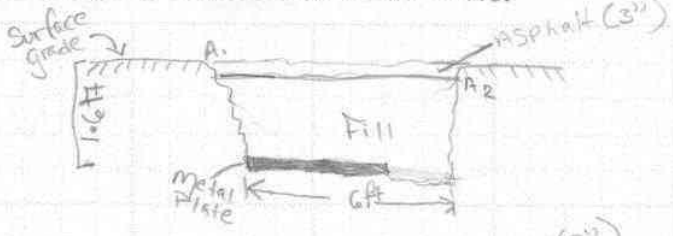


Notes:

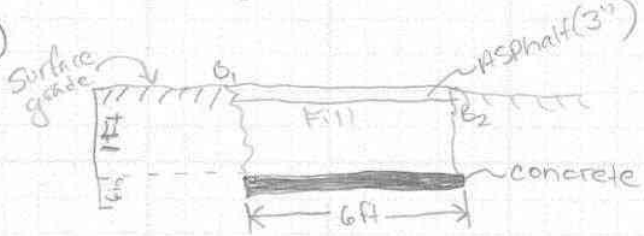
- Excavated soil screened with PID. max reading = 5ppm.
- Metal Plate encountered 1.5 feet bgs.
- Concrete foundation encountered 1 foot bgs on the Right Side of the test pit.
- Backfilled with excavated soil and Patched with asphalt cold patch.

X-SECTION(S) AND SOIL DESCRIPTIONS N.T.S.

(A)



(B)



Soil type:

Fill: Consisting of brown fine SAND, some fine gravel with asphalt, concrete, brick and plastic. (dry).

LANGAN

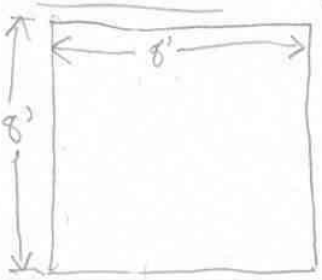
LOG OF TEST PIT TP-04 SHEET 1 OF 1

PROJECT 145 Wolcott Street	PROJECT NO. 170562201		
LOCATION Brooklyn, NY	ELEVATION AND DATUM N/A		
EXCAVATION EQUIPMENT Bobcat E35 excavator, Hand shovel	DATE STARTED 6/2/2021	DATE FINISHED 6/2/2021	
INSPECTOR Farielle Braziers	COMPLETION DEPTH 1.75 feet	WATER DEPTH N/A	

PLAN VIEW AND NOTES N.T.S.

Location

Plan View:



Notes:

- Several corrected metal plates were encountered approximately 1.75 feet bgs across entire test pit.
- Max PID Reading = 2.2 ppm.

X-SECTION(S) AND SOIL DESCRIPTIONS N.T.S.

Cross-section:

- Backfilled with excavated soil and patched with asphalt cold patch

Soil Type:

Fill: Dark brown-Black brown fine sand, some fine gravel, asphalt, concrete, plastic and fabric.

LANGAN

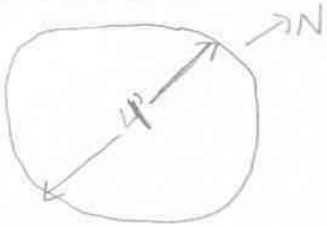
LOG OF TEST PIT TP-05 SHEET 1 OF 1

PROJECT 145 Wolcott Street	PROJECT NO. 170562201		
LOCATION Brooklyn, NY	ELEVATION AND DATUM N/A		
EXCAVATION EQUIPMENT Bobcat E-55 excavator	DATE STARTED 6/2/2021	DATE FINISHED 6/2/2021	
INSPECTOR Farielle Braziers	COMPLETION DEPTH 3 feet	WATER DEPTH N/A	

PLAN VIEW AND NOTES N.T.S.

Location:

Plan View:



Notes:

- Abandoned metal drum encountered about 2 feet bgs
- Max PID Reading = 3.2 ppm
- Backfilled with excavated soil and patched with asphalt cold patch.
- Metal drum stockpiled at the Northwest part of the site for future disposal.

X-SECTION(S) AND SOIL DESCRIPTIONS

Cross Section: N.T.S.

Soil Type:

Fill: Dark brown fine sand, some fine gravel, concrete, asphalt, metal fragments, and plastic (dry).

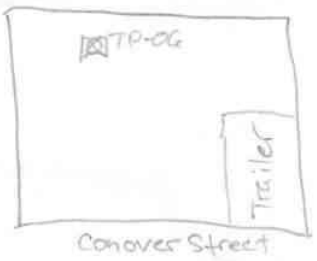
LANGAN

LOG OF TEST PIT TP-06 SHEET 1 OF 1

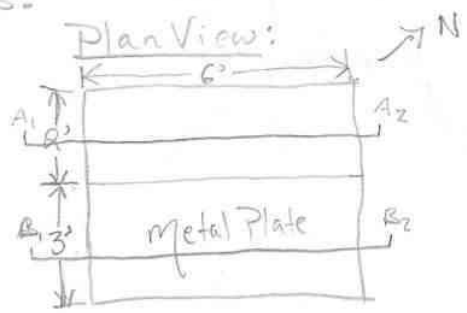
PROJECT	145 Wolcott Street	PROJECT NO.	170562201
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	N/A
EXCAVATION EQUIPMENT	Bobcat E-35 excavator, hand Shovels	DATE STARTED 6/2/2021	DATE FINISHED 6/2/2021
INSPECTOR	Farielle Brazier	COMPLETION DEPTH 5 feet	WATER DEPTH N/A

PLAN VIEW AND NOTES N.T.S.

Location:



Plan View:



Notes:

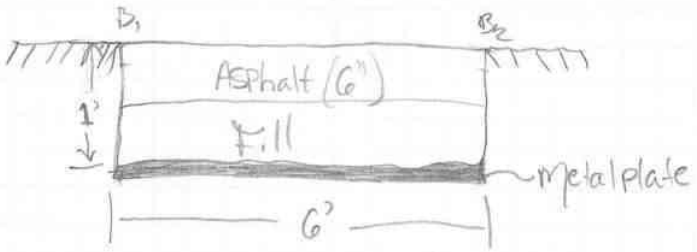
- Metal plate encountered about 1 foot bgs in the southern part of TP-06.
- 1 ft 10 in layer of reinforced concrete encountered beneath the asphalt cover in the northern part of TP-06.
- max PID reading = 3.7 ppm
- Backfilled with excavated historic fill material and patched with asphalt cold patch.

X-SECTION(S) AND SOIL DESCRIPTIONS N.T.S.

Cross section:

(A)

(B)



Soil Type:

Fill: Dark brown-grayish brown fine Sand, some fine gravel, concrete, asphalt rebar fragments, metal pipe fragment, large wood planks, twigs, plastic (dry).

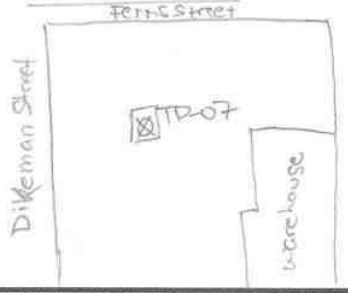
LANGAN

LOG OF TEST PIT TP-07 SHEET 1 OF 1

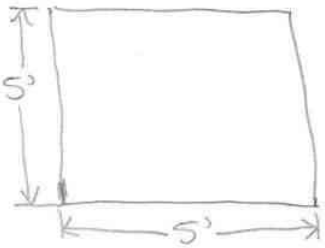
PROJECT: 145 Wolcott Street	PROJECT NO.: 170562201		
LOCATION: Brooklyn, NY	ELEVATION AND DATUM: N/A		
EXCAVATION EQUIPMENT: Bobcat E-35 excavator, handshovel	DATE STARTED: 6/3/2021	DATE FINISHED: 6/3/2021	
INSPECTOR: Farielle Brazier	COMPLETION DEPTH: 5 feet	WATER DEPTH: N/A	

PLAN VIEW AND NOTES N.T.S.

Location:



Plan View:

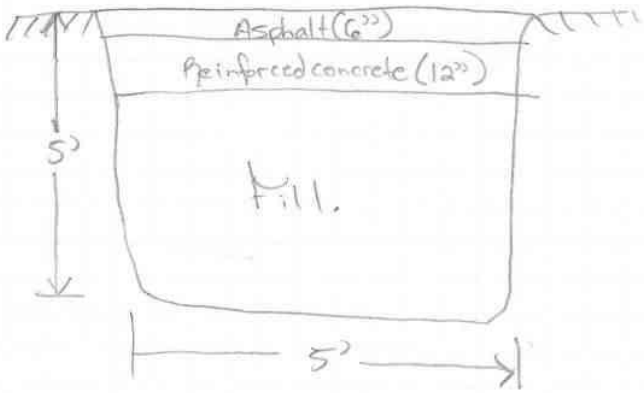


Notes:

- An approximately 1 foot layer of reinforced concrete was encountered beneath the asphalt cover.
- Max PID Reading = 0.8ppm
- Backfilled with excavated soil and Patched with asphalt cold patch and a metal road plate.

X-SECTION(S) AND SOIL DESCRIPTIONS N.T.S.

Cross Section View:



Soil Type:

Fill: Dark brown fine Sand, some fine gravel, asphalt, concrete, wood chips, twigs, glass fragments (dry).

APPENDIX H

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L2129733
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Andrew Schweitzer
Phone:	(212) 479-5400
Project Name:	145 WOLCOTT STREET
Project Number:	170562201
Report Date:	06/16/21

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: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2129733-01	CS01_060321	SOIL	BROOKLYN, NY	06/03/21 10:15	06/03/21
L2129733-02	CS02_060321	SOIL	BROOKLYN, NY	06/03/21 10:20	06/03/21
L2129733-03	MW-002_FP_060321	OIL	BROOKLYN, NY	06/03/21 11:45	06/03/21
L2129733-04	MW-008_FP_060321	OIL	BROOKLYN, NY	06/03/21 11:10	06/03/21

Project Name:	145 WOLCOTT STREET	**Lab Number:**	L2129733
Project Number:	170562201	**Report Date:**	06/16/21

Case Narrative

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

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

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

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

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

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

Project Name:	145 WOLCOTT STREET	**Lab Number:**	L2129733
Project Number:	170562201	**Report Date:**	06/16/21

Case Narrative (continued)

Report Submission

June 16, 2021: This final report includes the results of all requested analyses.

June 14, 2021: This is a preliminary report.

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

Sample Receipt

L2129733-01 and -02: The analysis of TAL Metals was performed at the client's request.

Volatile Organics

L2129733-02: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (49%) was outside the acceptance criteria; however, re-analysis achieved a similar result: 1,4-dichlorobenzene-d4 (43%) and a high surrogate recovery for dibromofluoromethane (134%). The results of both analyses are reported.

Semivolatile Organics

L2129733-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2129733-02: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Petroleum Hydrocarbon Identification by GC-FID

L2129733-03: The surrogate recovery is above the acceptance criteria for o-terphenyl (171%) due to matrix interference.

L2129733-03: The sample was extracted and then analyzed using a gas chromatograph equipped with a flame ionization detector (GC/FID). The temperature program and associated experimental conditions were optimized to obtain maximum resolution in an eighty minute chromatographic run representative of hydrocarbons in the n-Octane (C8) to n-Tetracontane (C40) range. Qualitative evaluation of the sample was conducted by

Case Narrative (continued)

reviewing the sample chromatogram in conjunction with a chromatogram of a normal alkane series generated with the same chromatographic conditions. Chromatograms of hydrocarbon reference materials obtained from our library of 82 reference standards were also utilized to provide the best possible sample match. Quantitative determination of the sample's hydrocarbon concentration was performed in accordance with EPA Method 8015M. The sample's total hydrocarbon concentration and all associated quality control data are included in the report.

The following qualitative information is based on a tentative interpretation of chromatographic pattern recognition and boiling point ranges:

Total Petroleum Hydrocarbon Identification

L2129733-03 contains hydrocarbons eluting in the range of n-Octane (C8) to after the elution of n-Octacosane (C28).

Based on the data generated, L2129733-03 contains material eluting in the low to mid weight ranges of the chromatogram. The material present is similar to Fuel Oil #2/Diesel Fuel.

In an analysis of an undegraded product the n-alkanes are typically the dominant constituents, as seen in the petroleum reference chromatogram. As the product deteriorates, the n-alkanes are preferentially degraded, leaving behind other constituents such as isoprenoids. The analytical testing of the sample identified a pattern of isoprenoids. The level of alkanes and their ratios to the isoprenoids present indicates that the fuel oil has undergone degradation.

L2129733-03 also contains material eluting in the range of n-Nonadecane (C19) to after the elution of n-Tetracosane (C24). This material consists of individual resolved peaks. The material present is not a chromatographic match to any petroleum reference standard contained in the reference library; therefore a qualitative identification could not be made.

L2129733-04 contains hydrocarbons eluting in the range of n-Octane (C8) to after the elution of n-Tetracontane (C40).

Based on the data generated, L2129733-04 contains a mixture of materials. The first material eluting in the low to mid weight ranges of the chromatogram appears to be petroleum in nature and resembles gasoline. The

Project Name:	145 WOLCOTT STREET	**Lab Number:**	L2129733
Project Number:	170562201	**Report Date:**	06/16/21

Case Narrative (continued)

second material is an unresolved complex mixture (UCM) eluting in the mid to heavy weight ranges of the chromatogram and is similar to a motor oil type product.

PCBs

L2129733-02D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2129733-01 and -02: 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.

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

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 06/16/21

ORGANICS

VOLATILES

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01
Client ID: CS01_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:15
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 11:03
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	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01 Date Collected: 06/03/21 10:15

Client ID: CS01_060321 Date Received: 06/03/21

Sample Location: BROOKLYN, 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	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.84	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01
Client ID: CS01_060321
Sample Location: BROOKLYN, NY
Date Collected: 06/03/21 10:15
Date Received: 06/03/21
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	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02
Client ID: CS02_060321
Sample Location: BROOKLYN, NY
Date Collected: 06/03/21 10:20
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 11:28
Analyst: JC
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.7	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.44	1
Tetrachloroethene	0.37	J	ug/kg	0.84	0.33	1
Chlorobenzene	ND		ug/kg	0.84	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.7	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.43	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.28	1
Bromodichloromethane	ND		ug/kg	0.84	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.46	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.84	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.84	0.26	1
Bromoform	ND		ug/kg	6.7	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.28	1
Benzene	ND		ug/kg	0.84	0.28	1
Toluene	ND		ug/kg	1.7	0.91	1
Ethylbenzene	ND		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.7	1.6	1
Bromomethane	ND		ug/kg	3.3	0.97	1
Vinyl chloride	ND		ug/kg	1.7	0.56	1
Chloroethane	ND		ug/kg	3.3	0.75	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 Date Collected: 06/03/21 10:20

Client ID: CS02_060321 Date Received: 06/03/21

Sample Location: BROOKLYN, 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	0.84	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.34	1
p/m-Xylene	ND		ug/kg	3.3	0.94	1
o-Xylene	ND		ug/kg	1.7	0.49	1
Xylenes, Total	ND		ug/kg	1.7	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.23	1
Dibromomethane	ND		ug/kg	3.3	0.40	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.5	1
Acetone	ND		ug/kg	17	8.0	1
Carbon disulfide	ND		ug/kg	17	7.6	1
2-Butanone	ND		ug/kg	17	3.7	1
Vinyl acetate	ND		ug/kg	17	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	0.21	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.3	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.47	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	0.22	1
Bromobenzene	ND		ug/kg	3.3	0.24	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.20	1
o-Chlorotoluene	ND		ug/kg	3.3	0.32	1
p-Chlorotoluene	ND		ug/kg	3.3	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.28	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.18	1
Naphthalene	ND		ug/kg	6.7	1.1	1
Acrylonitrile	ND		ug/kg	6.7	1.9	1

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 Date Collected: 06/03/21 10:20

Client ID: CS02_060321 Date Received: 06/03/21

Sample Location: BROOKLYN, NY 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	1.7	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.54	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.45	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.32	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.56	1
1,4-Dioxane	ND		ug/kg	130	59.	1
p-Diethylbenzene	ND		ug/kg	3.3	0.30	1
p-Ethyltoluene	ND		ug/kg	3.3	0.64	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.3	0.32	1
Ethyl ether	ND		ug/kg	3.3	0.57	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.4	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	108		70-130

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 R
Client ID: CS02_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:20
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 15:02
Analyst: AJK
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.6	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	ND		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	0.46	1
Tetrachloroethene	0.71	J	ug/kg	0.86	0.34	1
Chlorobenzene	ND		ug/kg	0.86	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.9	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	0.86	0.29	1
Bromodichloromethane	ND		ug/kg	0.86	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.47	1
cis-1,3-Dichloropropene	ND		ug/kg	0.86	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	0.86	0.27	1
1,1-Dichloropropene	ND		ug/kg	0.86	0.27	1
Bromoform	ND		ug/kg	6.9	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.86	0.29	1
Benzene	ND		ug/kg	0.86	0.29	1
Toluene	ND		ug/kg	1.7	0.94	1
Ethylbenzene	ND		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.9	1.6	1
Bromomethane	ND		ug/kg	3.4	1.0	1
Vinyl chloride	ND		ug/kg	1.7	0.58	1
Chloroethane	ND		ug/kg	3.4	0.78	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 R Date Collected: 06/03/21 10:20
Client ID: CS02_060321 Date Received: 06/03/21
Sample Location: BROOKLYN, 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	0.86	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.35	1
p/m-Xylene	ND		ug/kg	3.4	0.97	1
o-Xylene	ND		ug/kg	1.7	0.50	1
Xylenes, Total	ND		ug/kg	1.7	0.50	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	3.4	0.41	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	ND		ug/kg	17	8.3	1
Carbon disulfide	ND		ug/kg	17	7.8	1
2-Butanone	ND		ug/kg	17	3.8	1
Vinyl acetate	ND		ug/kg	17	3.7	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	0.22	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.35	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.86	0.23	1
Bromobenzene	ND		ug/kg	3.4	0.25	1
n-Butylbenzene	ND		ug/kg	1.7	0.29	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	ND		ug/kg	3.4	0.20	1
o-Chlorotoluene	ND		ug/kg	3.4	0.33	1
p-Chlorotoluene	ND		ug/kg	3.4	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.29	1
Isopropylbenzene	ND		ug/kg	1.7	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.19	1
Naphthalene	ND		ug/kg	6.9	1.1	1
Acrylonitrile	ND		ug/kg	6.9	2.0	1

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 R Date Collected: 06/03/21 10:20
Client ID: CS02_060321 Date Received: 06/03/21
Sample Location: BROOKLYN, NY 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	1.7	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.56	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.47	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	0.33	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	0.58	1
1,4-Dioxane	ND		ug/kg	140	60.	1
p-Diethylbenzene	ND		ug/kg	3.4	0.30	1
p-Ethyltoluene	ND		ug/kg	3.4	0.66	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.33	1
Ethyl ether	ND		ug/kg	3.4	0.59	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.6	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	**134**	Q	70-130

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 06:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1510275-5					
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: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 06:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1510275-5					
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	0.35	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	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: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 06:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1510275-5					
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	113		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	123		70-130

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 10:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1510349-5					
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: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 10:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1510349-5					
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	0.26	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	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: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 10:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1510349-5					
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	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1510275-3 WG1510275-4								
Methylene chloride	81		79		70-130	3		30
1,1-Dichloroethane	85		82		70-130	4		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	115		117		70-130	2		30
1,2-Dichloropropane	80		78		70-130	3		30
Dibromochloromethane	115		115		70-130	0		30
1,1,2-Trichloroethane	85		84		70-130	1		30
Tetrachloroethene	99		97		70-130	2		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	116		114		70-139	2		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	108		107		70-130	1		30
Bromodichloromethane	102		101		70-130	1		30
trans-1,3-Dichloropropene	91		90		70-130	1		30
cis-1,3-Dichloropropene	95		93		70-130	2		30
1,1-Dichloropropene	91		89		70-130	2		30
Bromoform	95		97		70-130	2		30
1,1,2,2-Tetrachloroethane	88		84		70-130	5		30
Benzene	91		89		70-130	2		30
Toluene	89		87		70-130	2		30
Ethylbenzene	90		88		70-130	2		30
Chloromethane	91		88		52-130	3		30
Bromomethane	133		135		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1510275-3 WG1510275-4								
Vinyl chloride	75		74		67-130	1		30
Chloroethane	78		77		50-151	1		30
1,1-Dichloroethene	91		89		65-135	2		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	97		95		70-130	2		30
1,2-Dichlorobenzene	101		102		70-130	1		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	101		100		70-130	1		30
Methyl tert butyl ether	88		88		66-130	0		30
p/m-Xylene	97		96		70-130	1		30
o-Xylene	99		98		70-130	1		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	101		100		70-130	1		30
Styrene	102		101		70-130	1		30
Dichlorodifluoromethane	86		87		30-146	1		30
Acetone	116		98		54-140	17		30
Carbon disulfide	80		79		59-130	1		30
2-Butanone	100		94		70-130	6		30
Vinyl acetate	107		106		70-130	1		30
4-Methyl-2-pentanone	81		75		70-130	8		30
1,2,3-Trichloropropane	86		84		68-130	2		30
2-Hexanone	84		82		70-130	2		30
Bromochloromethane	112		112		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1510275-3 WG1510275-4								
2,2-Dichloropropane	97		95		70-130	2		30
1,2-Dibromoethane	94		93		70-130	1		30
1,3-Dichloropropane	82		82		69-130	0		30
1,1,1,2-Tetrachloroethane	110		111		70-130	1		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	93		92		70-130	1		30
sec-Butylbenzene	97		95		70-130	2		30
tert-Butylbenzene	97		96		70-130	1		30
o-Chlorotoluene	94		90		70-130	4		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	99		100		68-130	1		30
Hexachlorobutadiene	99		99		67-130	0		30
Isopropylbenzene	95		94		70-130	1		30
p-Isopropyltoluene	97		96		70-130	1		30
Naphthalene	102		103		70-130	1		30
Acrylonitrile	89		93		70-130	4		30
n-Propylbenzene	93		89		70-130	4		30
1,2,3-Trichlorobenzene	101		100		70-130	1		30
1,2,4-Trichlorobenzene	99		100		70-130	1		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30
1,4-Dioxane	118		118		65-136	0		30
p-Diethylbenzene	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1510275-3 WG1510275-4								
p-Ethyltoluene	100		96		70-130	4		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Ethyl ether	78		79		67-130	1		30
trans-1,4-Dichloro-2-butene	99		97		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	92		87		70-130
Dibromofluoromethane	111		112		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1510349-3 WG1510349-4								
Methylene chloride	84		86		70-130	2		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	88		94		70-130	7		30
Carbon tetrachloride	92		95		70-130	3		30
1,2-Dichloropropane	91		94		70-130	3		30
Dibromochloromethane	85		89		70-130	5		30
1,1,2-Trichloroethane	86		89		70-130	3		30
Tetrachloroethene	89		92		70-130	3		30
Chlorobenzene	88		91		70-130	3		30
Trichlorofluoromethane	89		91		70-139	2		30
1,2-Dichloroethane	90		94		70-130	4		30
1,1,1-Trichloroethane	94		96		70-130	2		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	94		97		70-130	3		30
cis-1,3-Dichloropropene	97		101		70-130	4		30
1,1-Dichloropropene	92		93		70-130	1		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	84		85		70-130	1		30
Benzene	90		92		70-130	2		30
Toluene	86		87		70-130	1		30
Ethylbenzene	87		89		70-130	2		30
Chloromethane	79		78		52-130	1		30
Bromomethane	88		91		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1510349-3 WG1510349-4								
Vinyl chloride	88		86		67-130	2		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	88		91		65-135	3		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	91		94		70-130	3		30
1,2-Dichlorobenzene	88		89		70-130	1		30
1,3-Dichlorobenzene	89		90		70-130	1		30
1,4-Dichlorobenzene	86		87		70-130	1		30
Methyl tert butyl ether	90		93		66-130	3		30
p/m-Xylene	87		88		70-130	1		30
o-Xylene	88		91		70-130	3		30
cis-1,2-Dichloroethene	93		95		70-130	2		30
Dibromomethane	92		96		70-130	4		30
Styrene	92		95		70-130	3		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	88		92		54-140	4		30
Carbon disulfide	84		85		59-130	1		30
2-Butanone	77		83		70-130	8		30
Vinyl acetate	88		91		70-130	3		30
4-Methyl-2-pentanone	90		92		70-130	2		30
1,2,3-Trichloropropane	85		85		68-130	0		30
2-Hexanone	81		82		70-130	1		30
Bromochloromethane	96		99		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1510349-3 WG1510349-4								
2,2-Dichloropropane	94		96		70-130	2		30
1,2-Dibromoethane	87		87		70-130	0		30
1,3-Dichloropropane	89		92		69-130	3		30
1,1,1,2-Tetrachloroethane	89		92		70-130	3		30
Bromobenzene	88		88		70-130	0		30
n-Butylbenzene	88		88		70-130	0		30
sec-Butylbenzene	88		87		70-130	1		30
tert-Butylbenzene	88		88		70-130	0		30
o-Chlorotoluene	70		70		70-130	0		30
p-Chlorotoluene	87		87		70-130	0		30
1,2-Dibromo-3-chloropropane	77		79		68-130	3		30
Hexachlorobutadiene	85		87		67-130	2		30
Isopropylbenzene	88		89		70-130	1		30
p-Isopropyltoluene	89		89		70-130	0		30
Naphthalene	86		89		70-130	3		30
Acrylonitrile	81		85		70-130	5		30
n-Propylbenzene	87		88		70-130	1		30
1,2,3-Trichlorobenzene	88		90		70-130	2		30
1,2,4-Trichlorobenzene	90		92		70-130	2		30
1,3,5-Trimethylbenzene	89		89		70-130	0		30
1,2,4-Trimethylbenzene	89		90		70-130	1		30
1,4-Dioxane	93		94		65-136	1		30
p-Diethylbenzene	89		90		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1510349-3 WG1510349-4								
p-Ethyltoluene	89		90		70-130	1		30
1,2,4,5-Tetramethylbenzene	91		91		70-130	0		30
Ethyl ether	92		94		67-130	2		30
trans-1,4-Dichloro-2-butene	88		89		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		98		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01 D
Client ID: CS01_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:15
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/14/21 14:28
Analyst: IM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 06/11/21 18:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	4300		ug/kg	1600	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	230	10
Hexachlorobenzene	ND		ug/kg	1200	230	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	280	10
2-Chloronaphthalene	ND		ug/kg	2000	200	10
1,2-Dichlorobenzene	ND		ug/kg	2000	360	10
1,3-Dichlorobenzene	ND		ug/kg	2000	350	10
1,4-Dichlorobenzene	ND		ug/kg	2000	350	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	540	10
2,4-Dinitrotoluene	ND		ug/kg	2000	400	10
2,6-Dinitrotoluene	ND		ug/kg	2000	350	10
Fluoranthene	32000		ug/kg	1200	230	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	220	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	310	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	350	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	200	10
Hexachlorobutadiene	ND		ug/kg	2000	300	10
Hexachlorocyclopentadiene	ND		ug/kg	5800	1800	10
Hexachloroethane	ND		ug/kg	1600	330	10
Isophorone	ND		ug/kg	1800	260	10
Naphthalene	4000		ug/kg	2000	250	10
Nitrobenzene	ND		ug/kg	1800	300	10
NDPA/DPA	ND		ug/kg	1600	230	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	310	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2000	700	10
Butyl benzyl phthalate	ND		ug/kg	2000	510	10
Di-n-butylphthalate	ND		ug/kg	2000	380	10
Di-n-octylphthalate	ND		ug/kg	2000	690	10

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01 D Date Collected: 06/03/21 10:15
Client ID: CS01_060321 Date Received: 06/03/21
Sample Location: BROOKLYN, 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	2000	190	10
Dimethyl phthalate	ND		ug/kg	2000	430	10
Benzo(a)anthracene	13000		ug/kg	1200	230	10
Benzo(a)pyrene	10000		ug/kg	1600	500	10
Benzo(b)fluoranthene	13000		ug/kg	1200	340	10
Benzo(k)fluoranthene	14000		ug/kg	1200	320	10
Chrysene	12000		ug/kg	1200	210	10
Acenaphthylene	ND		ug/kg	1600	310	10
Anthracene	8300		ug/kg	1200	400	10
Benzo(ghi)perylene	7400		ug/kg	1600	240	10
Fluorene	3700		ug/kg	2000	200	10
Phenanthrene	38000		ug/kg	1200	250	10
Dibenzo(a,h)anthracene	1700		ug/kg	1200	230	10
Indeno(1,2,3-cd)pyrene	7600		ug/kg	1600	280	10
Pyrene	26000		ug/kg	1200	200	10
Biphenyl	520	J	ug/kg	4600	470	10
4-Chloroaniline	ND		ug/kg	2000	370	10
2-Nitroaniline	ND		ug/kg	2000	390	10
3-Nitroaniline	ND		ug/kg	2000	380	10
4-Nitroaniline	ND		ug/kg	2000	840	10
Dibenzofuran	4000		ug/kg	2000	190	10
2-Methylnaphthalene	1600	J	ug/kg	2400	240	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	210	10
Acetophenone	ND		ug/kg	2000	250	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	380	10
p-Chloro-m-cresol	ND		ug/kg	2000	300	10
2-Chlorophenol	ND		ug/kg	2000	240	10
2,4-Dichlorophenol	ND		ug/kg	1800	330	10
2,4-Dimethylphenol	ND		ug/kg	2000	670	10
2-Nitrophenol	ND		ug/kg	4400	760	10
4-Nitrophenol	ND		ug/kg	2800	830	10
2,4-Dinitrophenol	ND		ug/kg	9700	940	10
4,6-Dinitro-o-cresol	ND		ug/kg	5300	970	10
Pentachlorophenol	ND		ug/kg	1600	450	10
Phenol	ND		ug/kg	2000	310	10
2-Methylphenol	ND		ug/kg	2000	310	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2900	320	10

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01 D Date Collected: 06/03/21 10:15
Client ID: CS01_060321 Date Received: 06/03/21
Sample Location: BROOKLYN, 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	2000	390	10
Benzoic Acid	ND		ug/kg	6600	2000	10
Benzyl Alcohol	ND		ug/kg	2000	620	10
Carbazole	3900		ug/kg	2000	200	10
1,4-Dioxane	ND		ug/kg	300	93.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	30		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	**28**	Q	30-120
2,4,6-Tribromophenol	28		10-136
4-Terphenyl-d14	30		18-120

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02
Client ID: CS02_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:20
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/14/21 05:27
Analyst: SZ
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 06/11/21 20:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1400		ug/kg	570	74.	1
1,2,4-Trichlorobenzene	ND		ug/kg	710	82.	1
Hexachlorobenzene	ND		ug/kg	430	80.	1
Bis(2-chloroethyl)ether	ND		ug/kg	640	97.	1
2-Chloronaphthalene	ND		ug/kg	710	71.	1
1,2-Dichlorobenzene	ND		ug/kg	710	130	1
1,3-Dichlorobenzene	ND		ug/kg	710	120	1
1,4-Dichlorobenzene	220	J	ug/kg	710	120	1
3,3'-Dichlorobenzidine	ND		ug/kg	710	190	1
2,4-Dinitrotoluene	ND		ug/kg	710	140	1
2,6-Dinitrotoluene	ND		ug/kg	710	120	1
Fluoranthene	21000		ug/kg	430	82.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	710	76.	1
4-Bromophenyl phenyl ether	ND		ug/kg	710	110	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	860	120	1
Bis(2-chloroethoxy)methane	ND		ug/kg	770	72.	1
Hexachlorobutadiene	ND		ug/kg	710	100	1
Hexachlorocyclopentadiene	ND		ug/kg	2000	650	1
Hexachloroethane	ND		ug/kg	570	120	1
Isophorone	ND		ug/kg	640	93.	1
Naphthalene	950		ug/kg	710	87.	1
Nitrobenzene	ND		ug/kg	640	100	1
NDPA/DPA	ND		ug/kg	570	81.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	710	110	1
Bis(2-ethylhexyl)phthalate	4300		ug/kg	710	250	1
Butyl benzyl phthalate	2000		ug/kg	710	180	1
Di-n-butylphthalate	450	J	ug/kg	710	140	1
Di-n-octylphthalate	ND		ug/kg	710	240	1

Project Name: 145 WOLCOTT STREET **Lab Number:** L2129733

Project Number: 170562201 **Report Date:** 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 Date Collected: 06/03/21 10:20

Client ID: CS02_060321 Date Received: 06/03/21

Sample Location: BROOKLYN, 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	710	66.	1
Dimethyl phthalate	ND		ug/kg	710	150	1
Benzo(a)anthracene	9400		ug/kg	430	80.	1
Benzo(a)pyrene	9300		ug/kg	570	170	1
Benzo(b)fluoranthene	12000		ug/kg	430	120	1
Benzo(k)fluoranthene	3700		ug/kg	430	110	1
Chrysene	11000		ug/kg	430	74.	1
Acenaphthylene	600		ug/kg	570	110	1
Anthracene	3900		ug/kg	430	140	1
Benzo(ghi)perylene	8800		ug/kg	570	84.	1
Fluorene	1000		ug/kg	710	69.	1
Phenanthrene	19000		ug/kg	430	87.	1
Dibenzo(a,h)anthracene	2300		ug/kg	430	82.	1
Indeno(1,2,3-cd)pyrene	6600		ug/kg	570	100	1
Pyrene	17000		ug/kg	430	71.	1
Biphenyl	210	J	ug/kg	1600	160	1
4-Chloroaniline	ND		ug/kg	710	130	1
2-Nitroaniline	ND		ug/kg	710	140	1
3-Nitroaniline	ND		ug/kg	710	130	1
4-Nitroaniline	ND		ug/kg	710	300	1
Dibenzofuran	1100		ug/kg	710	68.	1
2-Methylnaphthalene	630	J	ug/kg	860	86.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	710	74.	1
Acetophenone	600	J	ug/kg	710	88.	1
2,4,6-Trichlorophenol	ND		ug/kg	430	140	1
p-Chloro-m-cresol	ND		ug/kg	710	110	1
2-Chlorophenol	ND		ug/kg	710	84.	1
2,4-Dichlorophenol	ND		ug/kg	640	110	1
2,4-Dimethylphenol	ND		ug/kg	710	240	1
2-Nitrophenol	ND		ug/kg	1500	270	1
4-Nitrophenol	ND		ug/kg	1000	290	1
2,4-Dinitrophenol	ND		ug/kg	3400	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	340	1
Pentachlorophenol	ND		ug/kg	570	160	1
Phenol	ND		ug/kg	710	110	1
2-Methylphenol	ND		ug/kg	710	110	1
3-Methylphenol/4-Methylphenol	340	J	ug/kg	1000	110	1

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02
Client ID: CS02_060321
Sample Location: BROOKLYN, NY
Date Collected: 06/03/21 10:20
Date Received: 06/03/21
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	710	140	1
Benzoic Acid	2400		ug/kg	2300	720	1
Benzyl Alcohol	ND		ug/kg	710	220	1
Carbazole	1800		ug/kg	710	69.	1
1,4-Dioxane	ND		ug/kg	110	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	62		18-120

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/13/21 19:59
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/11/21 11:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1510908-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	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	100	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	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
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: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/13/21 19:59
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/11/21 11:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1510908-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
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	69.
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	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/13/21 19:59
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/11/21 11:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1510908-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
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	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	102		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	114		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	113		10-136
4-Terphenyl-d14	104		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1510908-2 WG1510908-3								
Acenaphthene	99		98		31-137	1		50
1,2,4-Trichlorobenzene	100		105		38-107	5		50
Hexachlorobenzene	104		104		40-140	0		50
Bis(2-chloroethyl)ether	93		97		40-140	4		50
2-Chloronaphthalene	101		105		40-140	4		50
1,2-Dichlorobenzene	93		100		40-140	7		50
1,3-Dichlorobenzene	92		95		40-140	3		50
1,4-Dichlorobenzene	92		99		28-104	7		50
3,3'-Dichlorobenzidine	97		94		40-140	3		50
2,4-Dinitrotoluene	111		112		40-132	1		50
2,6-Dinitrotoluene	102		103		40-140	1		50
Fluoranthene	99		99		40-140	0		50
4-Chlorophenyl phenyl ether	101		101		40-140	0		50
4-Bromophenyl phenyl ether	102		100		40-140	2		50
Bis(2-chloroisopropyl)ether	127		138		40-140	8		50
Bis(2-chloroethoxy)methane	103		106		40-117	3		50
Hexachlorobutadiene	101		105		40-140	4		50
Hexachlorocyclopentadiene	72		74		40-140	3		50
Hexachloroethane	98		105		40-140	7		50
Isophorone	116		119		40-140	3		50
Naphthalene	95		99		40-140	4		50
Nitrobenzene	111		116		40-140	4		50
NDPA/DPA	101		102		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1510908-2 WG1510908-3								
n-Nitrosodi-n-propylamine	114		118		32-121	3		50
Bis(2-ethylhexyl)phthalate	124		128		40-140	3		50
Butyl benzyl phthalate	114		119		40-140	4		50
Di-n-butylphthalate	116		120		40-140	3		50
Di-n-octylphthalate	111		113		40-140	2		50
Diethyl phthalate	108		109		40-140	1		50
Dimethyl phthalate	108		110		40-140	2		50
Benzo(a)anthracene	101		103		40-140	2		50
Benzo(a)pyrene	105		105		40-140	0		50
Benzo(b)fluoranthene	102		103		40-140	1		50
Benzo(k)fluoranthene	104		104		40-140	0		50
Chrysene	100		99		40-140	1		50
Acenaphthylene	107		106		40-140	1		50
Anthracene	100		101		40-140	1		50
Benzo(ghi)perylene	102		105		40-140	3		50
Fluorene	98		98		40-140	0		50
Phenanthrene	97		99		40-140	2		50
Dibenzo(a,h)anthracene	104		105		40-140	1		50
Indeno(1,2,3-cd)pyrene	102		104		40-140	2		50
Pyrene	97		99		35-142	2		50
Biphenyl	96		98		37-127	2		50
4-Chloroaniline	111		106		40-140	5		50
2-Nitroaniline	115		120		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1510908-2 WG1510908-3								
3-Nitroaniline	90		84		26-129	7		50
4-Nitroaniline	102		103		41-125	1		50
Dibenzofuran	99		99		40-140	0		50
2-Methylnaphthalene	99		103		40-140	4		50
1,2,4,5-Tetrachlorobenzene	94		96		40-117	2		50
Acetophenone	100		107		14-144	7		50
2,4,6-Trichlorophenol	106		109		30-130	3		50
p-Chloro-m-cresol	**108**	Q	**112**	Q	26-103	4		50
2-Chlorophenol	98		102		25-102	4		50
2,4-Dichlorophenol	109		112		30-130	3		50
2,4-Dimethylphenol	110		113		30-130	3		50
2-Nitrophenol	112		117		30-130	4		50
4-Nitrophenol	**116**	Q	**119**	Q	11-114	3		50
2,4-Dinitrophenol	77		78		4-130	1		50
4,6-Dinitro-o-cresol	96		99		10-130	3		50
Pentachlorophenol	97		94		17-109	3		50
Phenol	**94**	Q	**97**	Q	26-90	3		50
2-Methylphenol	104		108		30-130.	4		50
3-Methylphenol/4-Methylphenol	104		108		30-130	4		50
2,4,5-Trichlorophenol	110		110		30-130	0		50
Benzoic Acid	38		38		10-110	0		50
Benzyl Alcohol	113		118		40-140	4		50
Carbazole	100		100		54-128	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1510908-2 WG1510908-3								
1,4-Dioxane	75		78		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		99		25-120
Phenol-d6	97		102		10-120
Nitrobenzene-d5	106		112		23-120
2-Fluorobiphenyl	100		102		30-120
2,4,6-Tribromophenol	108		110		10-136
4-Terphenyl-d14	96		99		18-120

PETROLEUM HYDROCARBONS

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-03
Client ID: MW-002_FP_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 11:45
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8015D(M)
Analytical Date: 06/08/21 06:37
Analyst: WR
Percent Solids:

Extraction Method: EPA 3580A
Extraction Date: 06/07/21 11:00

Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	861000		mg/kg	5650	2820	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**171**	Q	50-130
d50-Tetracosane	109		50-130

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-04
Client ID: MW-008_FP_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 11:10
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8015D(M)
Analytical Date: 06/08/21 08:05
Analyst: WR
Percent Solids:

Extraction Method: EPA 3580A
Extraction Date: 06/07/21 11:00

Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	906000		mg/kg	6280	3140	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		50-130
d50-Tetracosane	117		50-130

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 06/07/21 17:22
Analyst: WR

Extraction Method: EPA 3580A
Extraction Date: 06/07/21 11:00

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab for sample(s): 03-04 Batch: WG1508489-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		mg/kg	6600	3300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	109		50-130
d50-Tetracosane	108		50-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab Associated sample(s): 03-04 Batch: WG1508489-2 WG1508489-3								
Nonane (C9)	108		92		50-130	16		30
Decane (C10)	105		90		50-130	15		30
Dodecane (C12)	110		94		50-130	16		30
Tetradecane (C14)	108		93		50-130	15		30
Hexadecane (C16)	116		100		50-130	15		30
Octadecane (C18)	114		99		50-130	14		30
Nonadecane (C19)	113		98		50-130	14		30
Eicosane (C20)	111		96		50-130	14		30
Docosane (C22)	111		97		50-130	13		30
Tetracosane (C24)	113		98		50-130	14		30
Hexacosane (C26)	112		98		50-130	13		30
Octacosane (C28)	113		97		50-130	15		30
Triacontane (C30)	111		97		50-130	13		30
Hexatriacontane (C36)	101		88		50-130	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	110		93		50-130
d50-Tetracosane	110		93		50-130

PCBS

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01
Client ID: CS01_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:15
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/11/21 13:21
Analyst: CW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/21
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	3.54	1	A
Aroclor 1221	ND		ug/kg	39.8	3.99	1	A
Aroclor 1232	ND		ug/kg	39.8	8.45	1	A
Aroclor 1242	ND		ug/kg	39.8	5.37	1	A
Aroclor 1248	ND		ug/kg	39.8	5.98	1	A
Aroclor 1254	40.5		ug/kg	39.8	4.36	1	B
Aroclor 1260	40.9		ug/kg	39.8	7.37	1	A
Aroclor 1262	ND		ug/kg	39.8	5.06	1	A
Aroclor 1268	ND		ug/kg	39.8	4.13	1	A
PCBs, Total	81.4		ug/kg	39.8	3.54	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02 D
Client ID: CS02_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:20
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/11/21 13:28
Analyst: CW
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/21
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	237	21.1	5	A
Aroclor 1221	ND		ug/kg	237	23.8	5	A
Aroclor 1232	ND		ug/kg	237	50.3	5	A
Aroclor 1242	ND		ug/kg	237	32.0	5	A
Aroclor 1248	ND		ug/kg	237	35.6	5	A
Aroclor 1254	131	J	ug/kg	237	26.0	5	B
Aroclor 1260	106	J	ug/kg	237	43.8	5	A
Aroclor 1262	ND		ug/kg	237	30.1	5	A
Aroclor 1268	ND		ug/kg	237	24.6	5	A
PCBs, Total	237	J	ug/kg	237	21.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/11/21 11:14
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 06/10/21 12:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/21
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1510358-1						
Aroclor 1016	ND		ug/kg	32.3	2.87	A
Aroclor 1221	ND		ug/kg	32.3	3.24	A
Aroclor 1232	ND		ug/kg	32.3	6.86	A
Aroclor 1242	ND		ug/kg	32.3	4.36	A
Aroclor 1248	ND		ug/kg	32.3	4.85	A
Aroclor 1254	ND		ug/kg	32.3	3.54	A
Aroclor 1260	ND		ug/kg	32.3	5.98	A
Aroclor 1262	ND		ug/kg	32.3	4.11	A
Aroclor 1268	5.07	J	ug/kg	32.3	3.35	B
PCBs, Total	5.07	J	ug/kg	32.3	2.87	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1510358-2 WG1510358-3									
Aroclor 1016	67		65		40-140	3		50	A
Aroclor 1260	64		62		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		70		30-150	A
Decachlorobiphenyl	68		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	B
Decachlorobiphenyl	68		66		30-150	B

METALS

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01
Client ID: CS01_060321
Sample Location: BROOKLYN, NY
Date Collected: 06/03/21 10:15
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3700		mg/kg	9.97	2.69	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Antimony, Total	7.47		mg/kg	4.98	0.379	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Arsenic, Total	7.26		mg/kg	0.997	0.207	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Barium, Total	118		mg/kg	0.997	0.173	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Beryllium, Total	0.159	J	mg/kg	0.498	0.033	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Cadmium, Total	3.04		mg/kg	0.997	0.098	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Calcium, Total	14800		mg/kg	9.97	3.49	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Chromium, Total	154		mg/kg	0.997	0.096	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Cobalt, Total	7.18		mg/kg	1.99	0.165	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Copper, Total	945		mg/kg	0.997	0.257	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Iron, Total	33300		mg/kg	4.98	0.900	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Lead, Total	716		mg/kg	4.98	0.267	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Magnesium, Total	7760		mg/kg	9.97	1.54	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Manganese, Total	264		mg/kg	0.997	0.158	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Mercury, Total	0.254		mg/kg	0.099	0.065	1	06/08/21 08:37	06/13/21 11:22	EPA 7471B	1,7471B	OU
Nickel, Total	29.4		mg/kg	2.49	0.241	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Potassium, Total	350		mg/kg	249	14.4	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.99	0.257	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.997	0.282	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Sodium, Total	172	J	mg/kg	199	3.14	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.99	0.314	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Vanadium, Total	26.2		mg/kg	0.997	0.202	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV
Zinc, Total	963		mg/kg	4.98	0.292	2	06/08/21 09:00	06/09/21 19:22	EPA 3050B	1,6010D	SV

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02
Client ID: CS02_060321
Sample Location: BROOKLYN, NY
Date Collected: 06/03/21 10:20
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6390		mg/kg	11.5	3.10	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Antimony, Total	12.6		mg/kg	5.73	0.436	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Arsenic, Total	9.87		mg/kg	1.15	0.238	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Barium, Total	332		mg/kg	1.15	0.200	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Beryllium, Total	0.321	J	mg/kg	0.573	0.038	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Cadmium, Total	13.2		mg/kg	1.15	0.112	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Calcium, Total	17500		mg/kg	11.5	4.01	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Chromium, Total	242		mg/kg	1.15	0.110	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Cobalt, Total	10.4		mg/kg	2.29	0.190	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Copper, Total	260		mg/kg	1.15	0.296	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Iron, Total	32700		mg/kg	5.73	1.04	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Lead, Total	1190		mg/kg	5.73	0.307	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Magnesium, Total	9510		mg/kg	11.5	1.77	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Manganese, Total	295		mg/kg	1.15	0.182	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Mercury, Total	0.643		mg/kg	0.097	0.063	1	06/08/21 08:37	06/13/21 11:26	EPA 7471B	1,7471B	OU
Nickel, Total	51.1		mg/kg	2.87	0.278	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Potassium, Total	510		mg/kg	287	16.5	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	2.29	0.296	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Silver, Total	0.424	J	mg/kg	1.15	0.324	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Sodium, Total	284		mg/kg	229	3.61	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	2.29	0.361	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Vanadium, Total	47.5		mg/kg	1.15	0.233	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV
Zinc, Total	2530		mg/kg	5.73	0.336	2	06/08/21 09:00	06/09/21 19:27	EPA 3050B	1,6010D	SV

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1508712-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Sodium, Total	17.1	J	mg/kg	80.0	1.26	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/08/21 09:00	06/09/21 17:20	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1508714-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/08/21 08:37	06/09/21 16:48	1,7471B	OU

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1508712-2 SRM Lot Number: D109-540								
Aluminum, Total	61		-		50-150	-		
Antimony, Total	125		-		19-250	-		
Arsenic, Total	91		-		70-130	-		
Barium, Total	80		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	104		-		75-125	-		
Calcium, Total	86		-		73-128	-		
Chromium, Total	90		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	84		-		75-125	-		
Iron, Total	72		-		35-165	-		
Lead, Total	75		-		72-128	-		
Magnesium, Total	74		-		62-138	-		
Manganese, Total	83		-		74-126	-		
Nickel, Total	88		-		70-130	-		
Potassium, Total	74		-		59-141	-		
Selenium, Total	92		-		68-132	-		
Silver, Total	88		-		68-131	-		
Sodium, Total	112		-		35-165	-		
Thallium, Total	88		-		68-131	-		
Vanadium, Total	77		-		59-141	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1508712-2 SRM Lot Number: D109-540					
Zinc, Total	78	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1508714-2 SRM Lot Number: D109-540					
Mercury, Total	80	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02	QC Batch ID: WG1508712-3			WG1508712-4		QC Sample: L2129650-03			Client ID: MS Sample			
Aluminum, Total	2350	166	2660	**186**	Q	2900	**341**	Q	75-125	9		20
Antimony, Total	ND	41.6	36.8	88		34.4	85		75-125	7		20
Arsenic, Total	0.927	9.98	12.2	113		11.7	111		75-125	4		20
Barium, Total	122	166	218	**58**	Q	218	**59**	Q	75-125	0		20
Beryllium, Total	0.130J	4.16	4.72	114		4.67	116		75-125	1		20
Cadmium, Total	ND	4.24	4.51	106		4.36	106		75-125	3		20
Calcium, Total	2700	831	3800	**132**	Q	3700	124		75-125	3		20
Chromium, Total	7.23	16.6	24.8	106		25.2	111		75-125	2		20
Cobalt, Total	3.73	41.6	47.0	104		45.5	104		75-125	3		20
Copper, Total	7.20	20.8	29.8	109		28.9	108		75-125	3		20
Iron, Total	6800	83.1	6520	**0**	Q	6840	**50**	Q	75-125	5		20
Lead, Total	19.5	42.4	52.9	79		52.0	79		75-125	2		20
Magnesium, Total	2470	831	3440	117		3480	125		75-125	1		20
Manganese, Total	219	41.6	258	94		262	106		75-125	2		20
Nickel, Total	21.8	41.6	62.1	97		61.0	97		75-125	2		20
Potassium, Total	652	831	1470	98		1500	105		75-125	2		20
Selenium, Total	ND	9.98	10.1	101		9.78	101		75-125	3		20
Silver, Total	ND	24.9	25.7	103		24.9	103		75-125	3		20
Sodium, Total	75.6J	831	969	116		967	120		75-125	0		20
Thallium, Total	ND	9.98	8.47	85		8.23	85		75-125	3		20
Vanadium, Total	8.44	41.6	50.0	100		49.1	101		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

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): 01-02 QC Batch ID: WG1508712-3 WG1508712-4 QC Sample: L2129650-03 Client ID: MS Sample											
Zinc, Total	31.3	41.6	65.8	83		66.2	86		75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1508714-3 WG1508714-4 QC Sample: L2129650-03 Client ID: MS Sample											
Mercury, Total	ND	0.139	0.175	**126**	Q	0.173	**124**	Q	80-120	1	20

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2129733
Report Date: 06/16/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1508712-6 QC Sample: L2129650-03 Client ID: DUP Sample						
Aluminum, Total	2350	2510	mg/kg	7		20
Barium, Total	122	163	mg/kg	**34**	Q	20
Calcium, Total	2700	2860	mg/kg	6		20
Iron, Total	6800	7200	mg/kg	6		20
Magnesium, Total	2470	2710	mg/kg	10		20
Manganese, Total	219	231	mg/kg	5		20

INORGANICS
&
MISCELLANEOUS

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-01
Client ID: CS01_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:15
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	06/04/21 08:29	121,2540G	RI

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2129733-02
Client ID: CS02_060321
Sample Location: BROOKLYN, NY

Date Collected: 06/03/21 10:20
Date Received: 06/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.5		%	0.100	NA	1	-	06/04/21 08:29	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1507497-1 QC Sample: L2129179-01 Client ID: DUP Sample						
Solids, Total	81.7	81.6	%	0		20

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2129733-01A	Vial MeOH preserved	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L2129733-01B	Vial water preserved	A	NA		4.0	Y	Absent	04-JUN-21 08:05	NYTCL-8260HLW(14)
L2129733-01C	Vial water preserved	A	NA		4.0	Y	Absent	04-JUN-21 08:05	NYTCL-8260HLW(14)
L2129733-01D	Plastic 120ml unpreserved	A	NA		4.0	Y	Absent		TS(7)
L2129733-01E	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2129733-01F	Glass 60ml unpreserved split	A	NA		4.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2129733-02A	Vial MeOH preserved	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L2129733-02B	Vial water preserved	A	NA		4.0	Y	Absent	04-JUN-21 08:05	NYTCL-8260HLW(14)
L2129733-02C	Vial water preserved	A	NA		4.0	Y	Absent	04-JUN-21 08:05	NYTCL-8260HLW(14)
L2129733-02D	Plastic 120ml unpreserved	A	NA		4.0	Y	Absent		TS(7)
L2129733-02E	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2129733-02F	Glass 60ml unpreserved split	A	NA		4.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2129733-03A	Amber 1000ml unpreserved	A	N/A	N/A	4.0	Y	Absent		A2-PHI(365)
L2129733-03B	Amber 1000ml unpreserved	A	N/A	N/A	4.0	Y	Absent		A2-PHI(365)
L2129733-04A	Amber 1000ml unpreserved	A	N/A	N/A	4.0	Y	Absent		A2-PHI(365)
L2129733-04B	Amber 1000ml unpreserved	A	N/A	N/A	4.0	Y	Absent		A2-PHI(365)

*Values in parentheses indicate holding time in days

Project Name: 145 WOLCOTT STREET
Project Number: 170562201

Lab Number: L2129733
Report Date: 06/16/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

Container Comments

L2129733-03A	Matrix stained or bleached pH paper; cannot read pH.
L2129733-03B	Matrix stained or bleached pH paper; cannot read pH.
L2129733-04A	Matrix stained or bleached pH paper; cannot read pH.
L2129733-04B	Matrix stained or bleached pH paper; cannot read pH.

*Values in parentheses indicate holding time in days

Project Name:	145 WOLCOTT STREET	**Lab Number:**	L2129733
Project Number:	170562201	**Report Date:**	06/16/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	145 WOLCOTT STREET	**Lab Number:**	L2129733
Project Number:	170562201	**Report Date:**	06/16/21

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). 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:	145 WOLCOTT STREET	**Lab Number:**	L2129733
Project Number:	170562201	**Report Date:**	06/16/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: 145 WOLCOTT STREET
Project Number: 170562201
Lab Number: L2129733
Report Date: 06/16/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

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, SM4500Cl-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

ALPHA ANALYTICAL

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 2

Date Rec'd in Lab: 6/3/21

ALPHA Job #: L2129733

Client Information

Client: Langan Engineering
Address: 360 W. 36th Street, 5th fl
New York, NY
Phone: 212-479-5400
Fax:
Email: dcasey@langan.com

Project Information

Project Name: 145 Wolcott Street
Project Location: Brooklyn, NY
Project #: 1705622201
(Use Project name as Project #)
Project Manager: Andrew Schweitzer
~~ALPHAQuote #~~: ASchweitzer@langan.com

Turn-Around Time

Standard: X
Rush (only if pre approved):
Due Date:
# of Days: 5-days

Deliverables

- X ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other

Billing Information

- X Same as Client Info

PO #

Regulatory Requirement

- NY TOGS
- X 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:

Email results to: dcasey@langan.com, ASchweitzer@langan.com and Sknoop@langan.com

Please specify Metals or TAL.

ANALYSIS

VOCs, SVOCs, PCBs

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs, SVOCs, PCBs	Sample Specific Comments
29733-01	CS01_060321	6/3/2021	10:15	S	FB	X	
-02	CS02_060321	6/3/2021	10:20	S	FB	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Fortelle Frazier	6/3/2021 1535	ALPHA	6-3-21 1535
[illegible]	6-3-21 1650	[illegible]	6/3/21 1715
[illegible]	6/3/21 2140	[illegible]	6/3/21 2140

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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 2 of 2

Date Rec'd in Lab: 6/3/21

ALPHA Job #: L2129733

Project Information
Project Name: 145 Wolcott Street
Project Location: Brooklyn, NY
Project #: 170562201
(Use Project name as Project #) ☐
Project Manager: Andrew Schweitzer
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5-days

Client Information
Client: Langan Engineering
Address: 360 W. 31st Street, 8th Fl, New York, NY
Phone: 212-479-5400
Fax:
Email: dcasey@langan.com

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

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:
Email results to dcasey@langan.com, aschweitzer@langan.com, and skoope@langan.com

Please specify Metals or TAL.

ANALYSIS: LNAPL fingerprinting

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	LNAPL fingerprinting	Sample Specific Comments	Total Bottles
29733-03	MW-002_FP_060321	6/3/2021	11:45	GW	FB	X		
-04	MW-008_FP_060321	6/3/2021	11:10	GW	FB	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

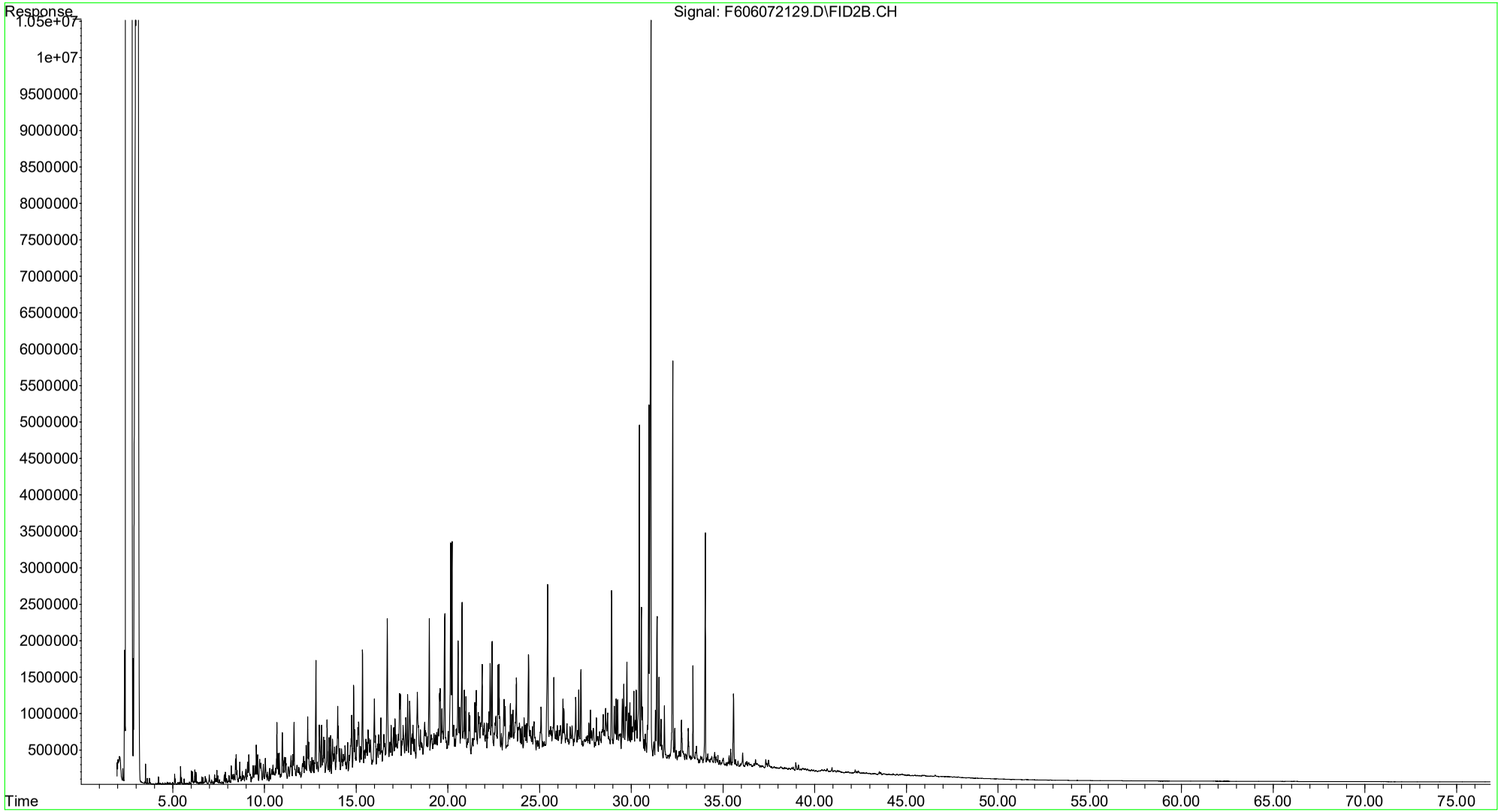
Relinquished By:	Date/Time	Received By:	Date/Time
Fariella Brazier	6/3/2021 1535	[signature]	6-3-21 1535
[signature]	6-3-21 1650	Paul Camazzola	6/3/21 1715
Paul Camazzola	6/3/21 2140	[signature]	6/3/21 2140

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.)

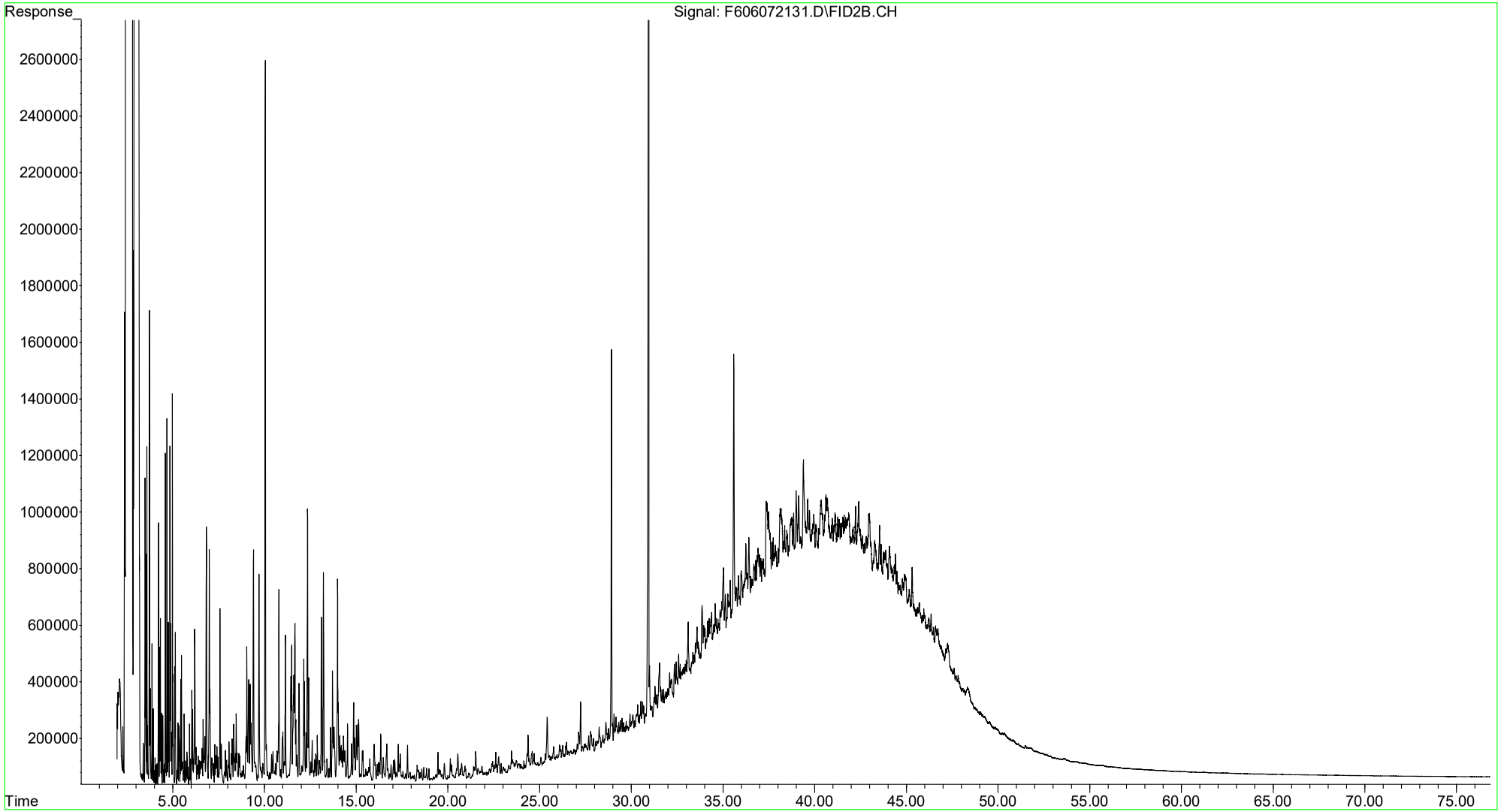
Form No: 01-25 HC (rev. 30-Sept-2013)

GC-FID Chromatogram

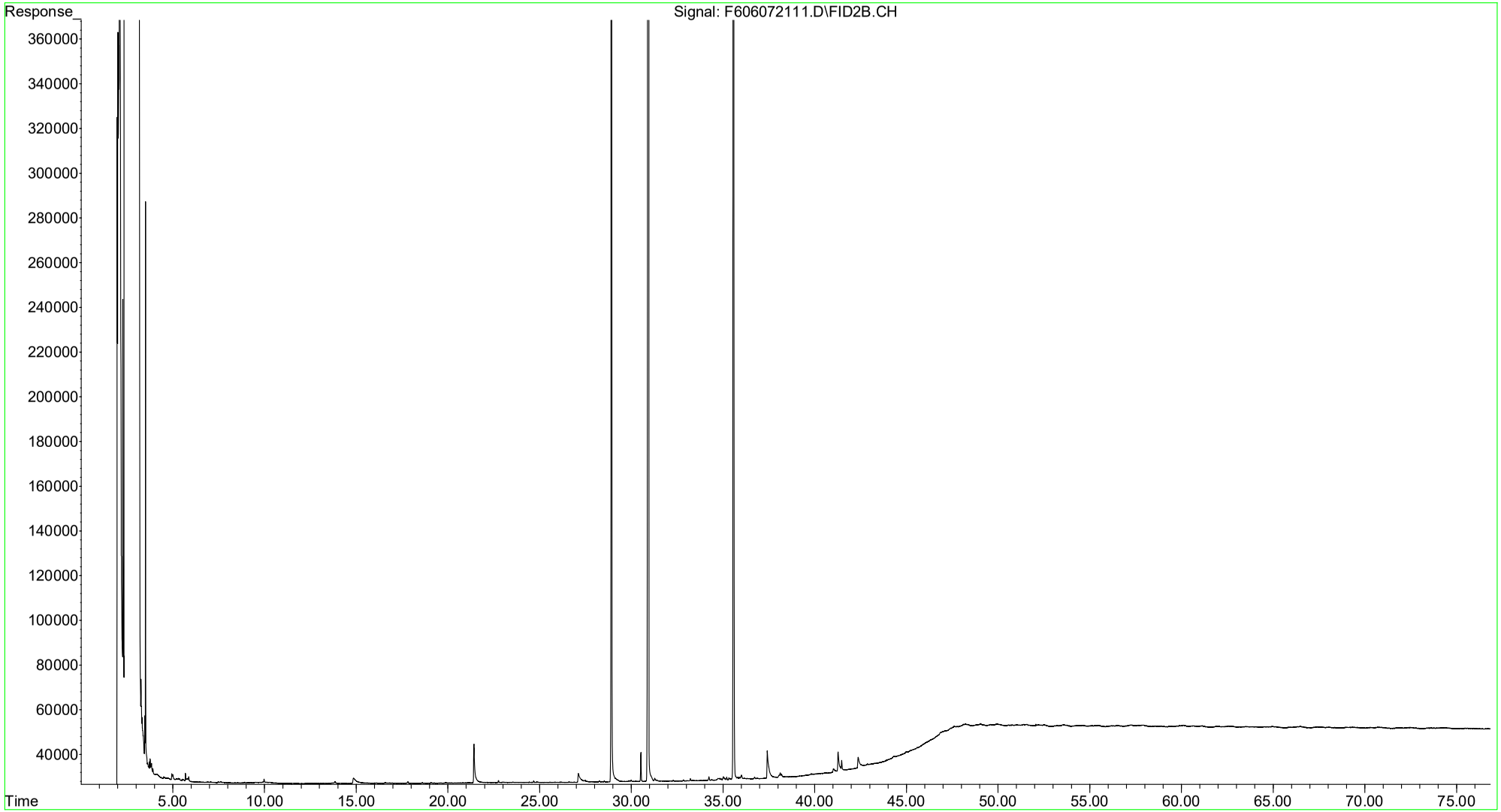
File :O:\Forensics\Data\FID6\2021\JUN\JUN07.SEC\F606072129.D
Operator : FID6:WR
Acquired : 08 Jun 2021 6:37 am using AcqMethod FID6A.M
Instrument : FID6
Sample Name: l2129733-03,42,,,r2g
Misc Info : WG1508660,WG1508489,ICAL17659
Vial Number: 65



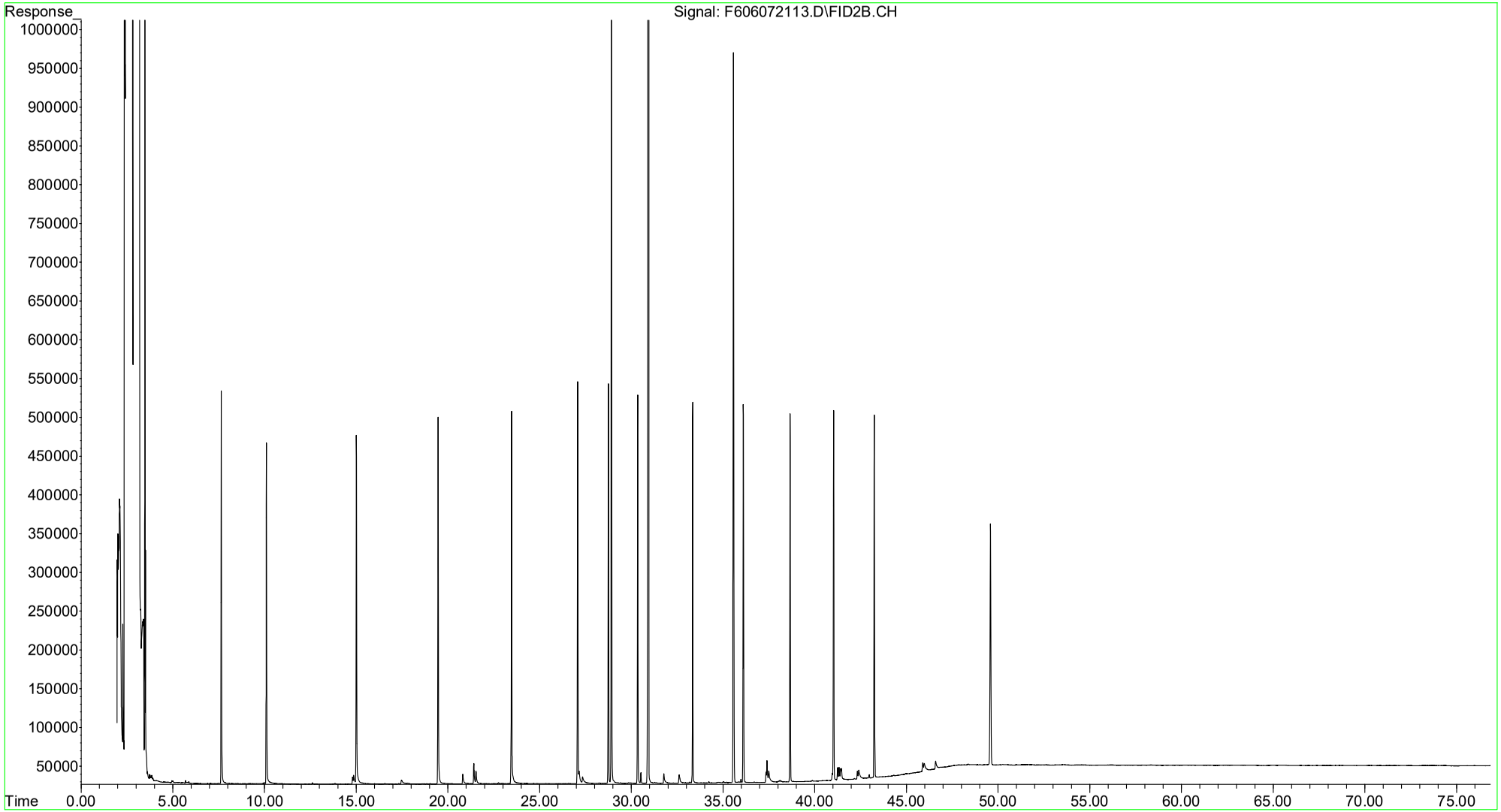
File :O:\Forensics\Data\FID6\2021\JUN\JUN07.SEC\F606072131.D
Operator : FID6:WR
Acquired : 08 Jun 2021 8:05 am using AcqMethod FID6A.M
Instrument : FID6
Sample Name: l2129733-04,42,,,r2g
Misc Info : WG1508660,WG1508489,ICAL17659
Vial Number: 66



File :O:\Forensics\Data\FID6\2021\JUN\JUN07.SEC\F606072111.D
Operator : FID6:WR
Acquired : 07 Jun 2021 5:22 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG1508488-1,42,,
Misc Info : WG1508660,WG1508488,ICAL17659
Vial Number: 56

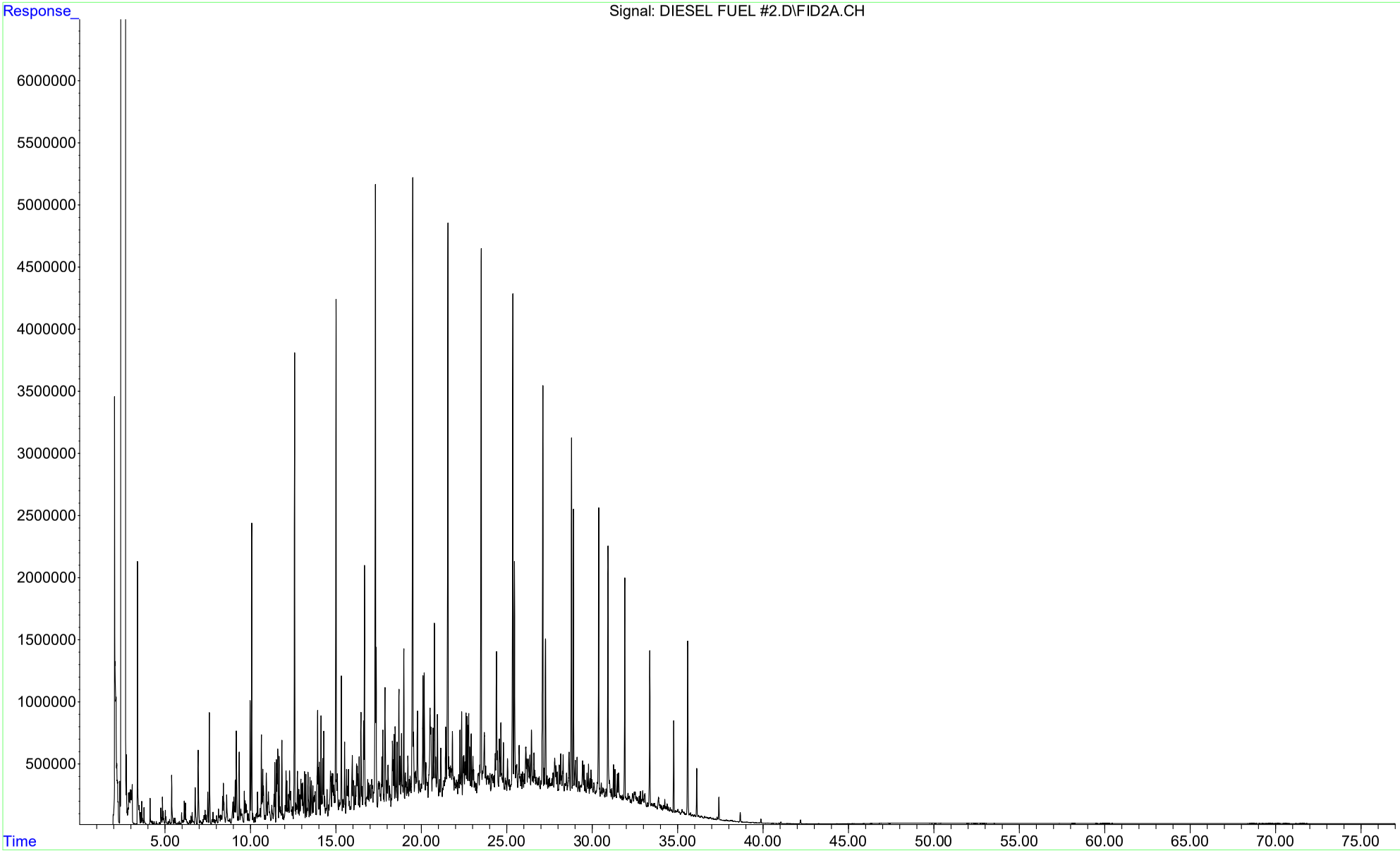


File :O:\Forensics\Data\FID6\2021\JUN\JUN07.SEC\F606072113.D
Operator : FID6:WR
Acquired : 07 Jun 2021 6:52 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG1508488-2,42,,
Misc Info : WG1508660,WG1508488,ICAL17659
Vial Number: 57

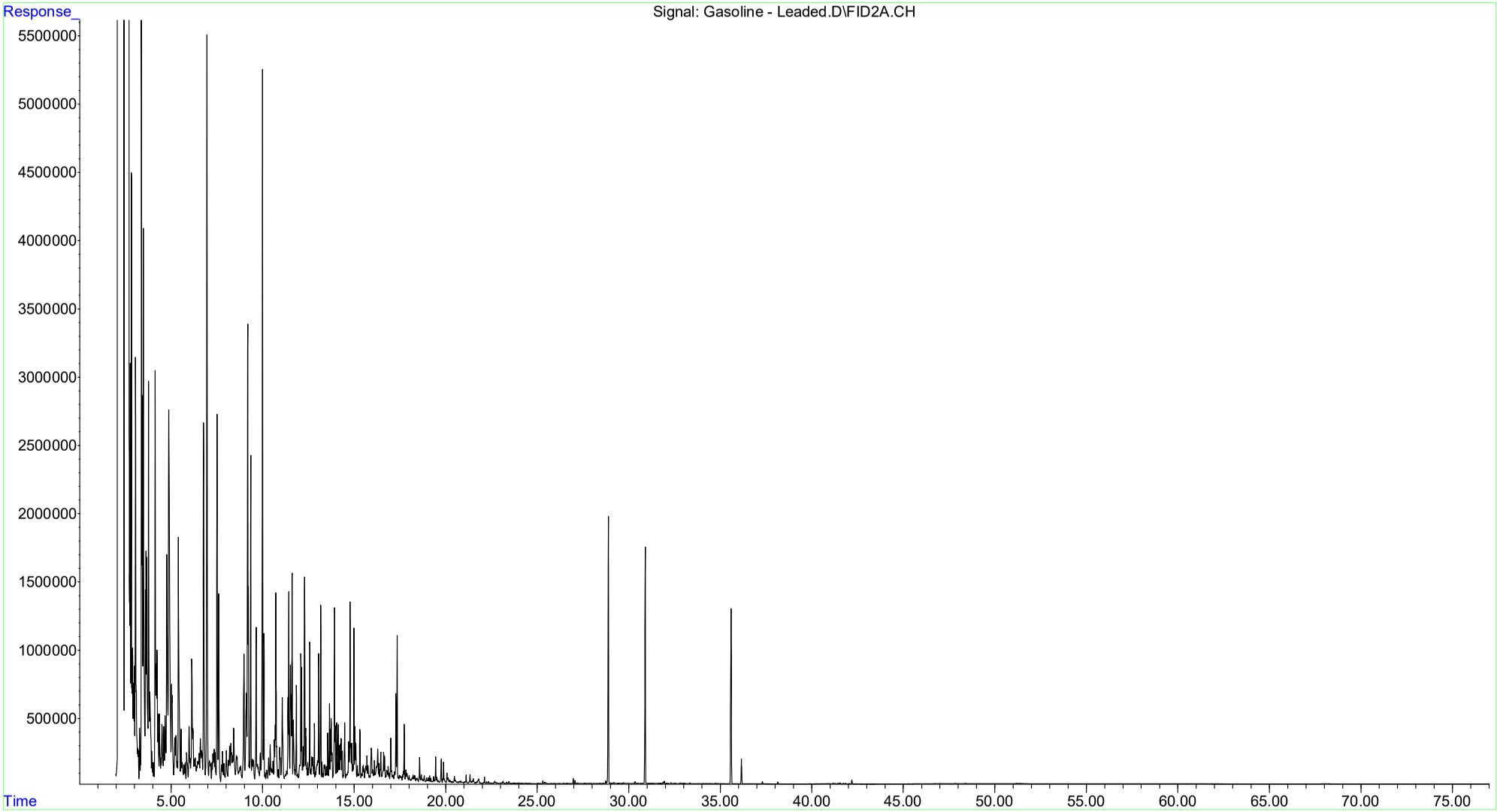


Petroleum Reference Standards

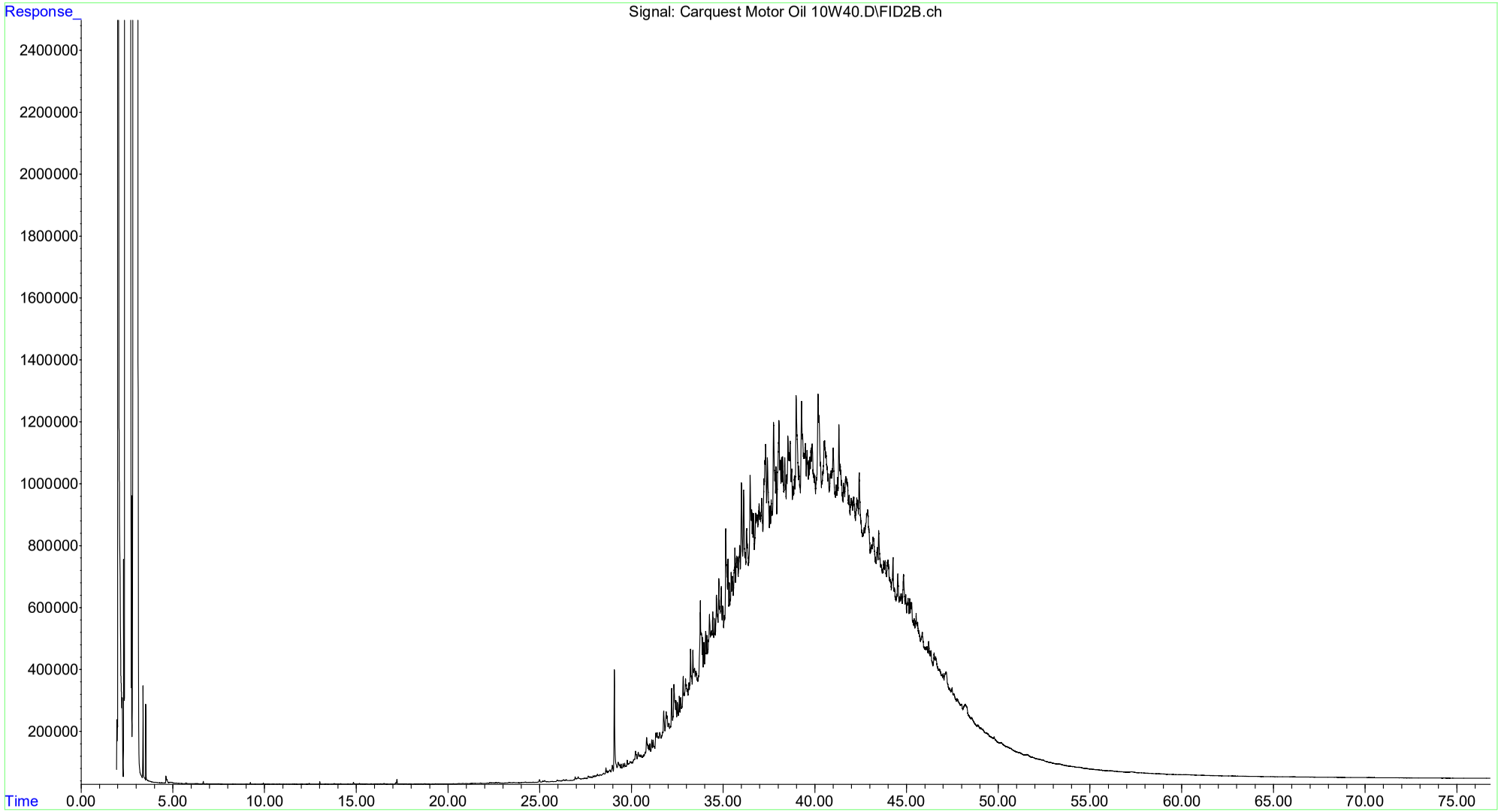
```
File        :O:\FORENSICS\LIBRARY\HYDROCARBON REFERENCE STANDARDS\DIESEL
...          FUEL #2.D
Operator   : PAH2:AC
Instrument :   PAH 2
Acquired   : 18 Nov 2011   8:19 pm using AcqMethod FRNC2AF.M
Sample     : #2 DIESEL FUEL
Misc Info  : F050410A
```



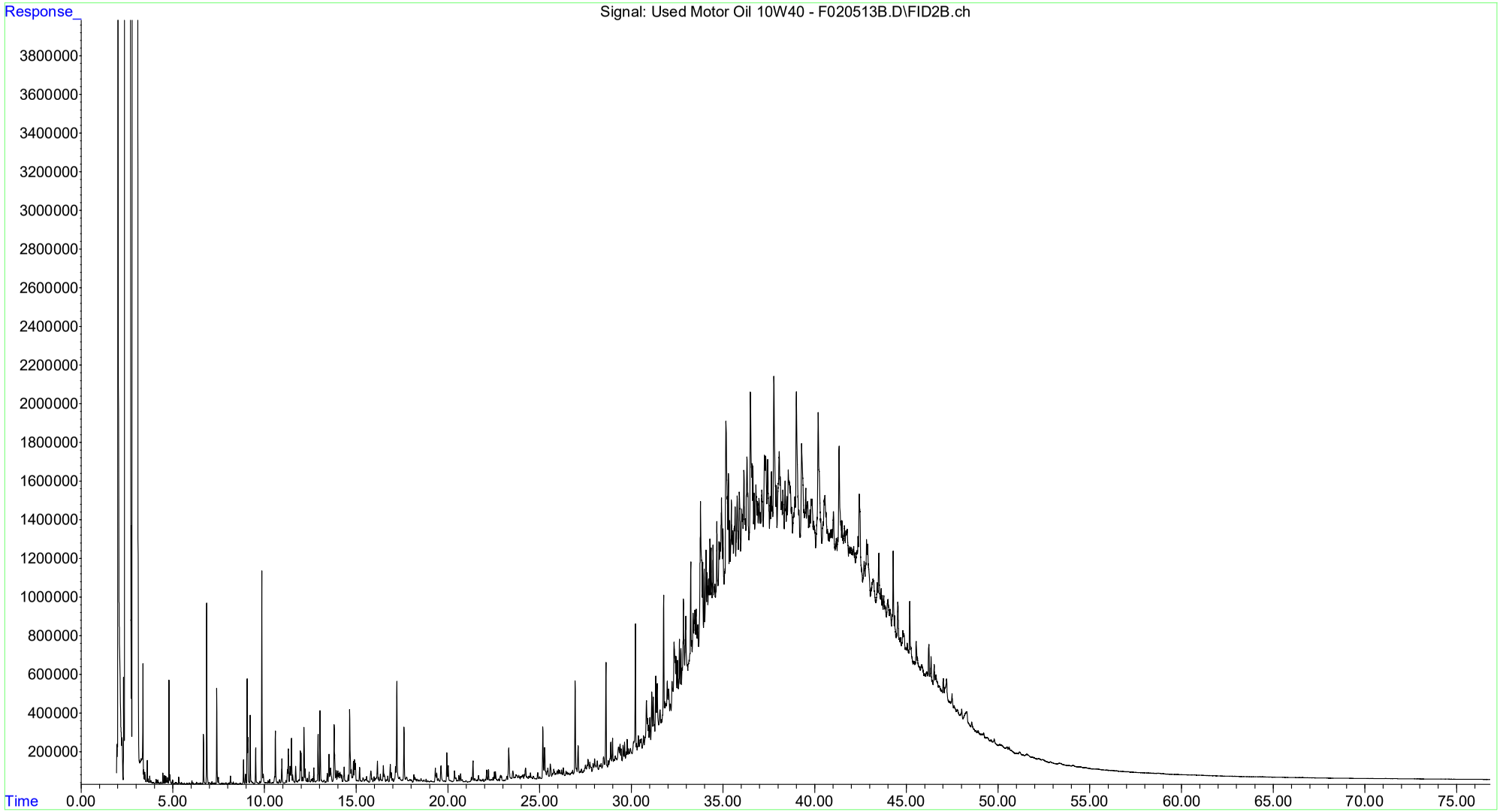
```
File       :O:\Forensics\LIBRARY\Hydrocarbon Reference Standards\Gasolin
...         e - Leaded.D
Operator  : PAH2:AC
Instrument :   PAH 2
Acquired  : 21 Nov 2011   3:06 pm using AcqMethod FRNC2AF.M
Sample    : Leaded Gasoline Reference Standard
Misc Info : 1X F050410K
```



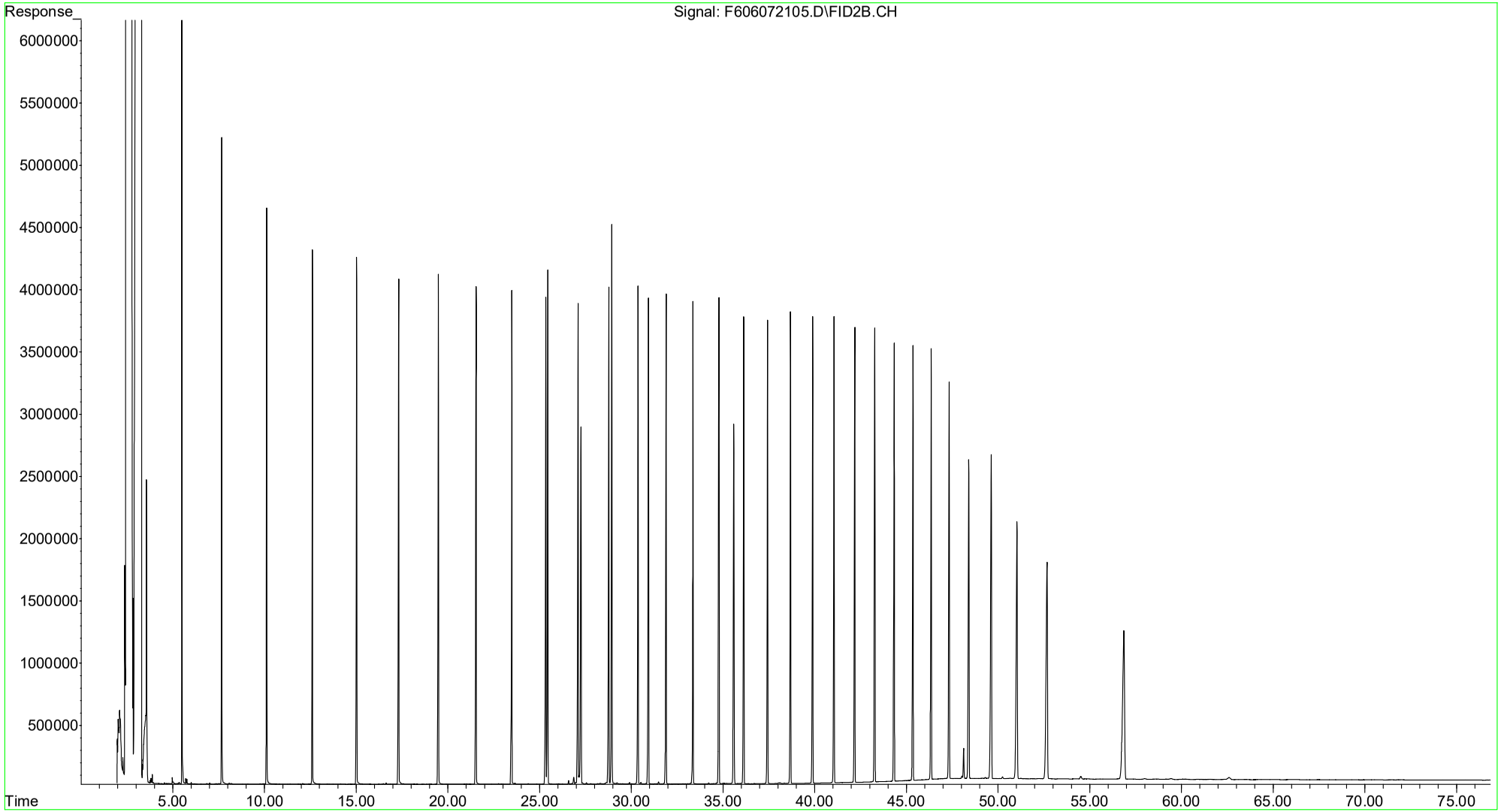
```
File       :O:\Forensics\LIBRARY\Hydrocarbon Reference Standards\Carques
...         t Motor Oil 10W40.D
Operator  : JT
Instrument :   FID 7
Acquired  :  7 Feb 2013   1:06 am using AcqMethod FID7.M
Sample    : Motor Oil 10W40
Misc Info : 1X
```



```
File       :O:\Forensics\LIBRARY\Hydrocarbon Reference Standards\Used Mo
...         tor Oil 10W40 - F020513B.D
Operator  : JT
Instrument :   FID 7
Acquired  :  5 Feb 2013   7:29 pm using AcqMethod FID7.M
Sample    : Used Motor Oil Reference Standard
Misc Info : F020513B
```



File :O:\Forensics\Data\FID6\2021\JUN\JUN07.SEC\F606072105.D
Operator : FID6:WR
Acquired : 07 Jun 2021 12:54 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG1508660-1
Misc Info : WG1508660,FRBD73,ICAL17659
Vial Number: 53



APPENDIX I

Data Usability Summary Report

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Deirdre Casey, Langan Senior Staff Scientist

From: Joe Conboy, Langan Senior Staff Chemist

Date: October 12, 2021

Re: Data Usability Summary Report
For 145-165 Wolcott Street
June 2021 Soil and Petroleum Product Samples
Langan Project No.: 170562202

This memorandum presents the findings of an analytical data validation from the analysis of soil and petroleum product samples collected in June 2021 by Langan Engineering and Environmental Services at 145-165 Wolcott Street. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and metals by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D
- PCBs by SW-846 Method 8082A
- Petroleum Hydrocarbon Identification by GC-FID by SW-846 Method 8015D(M)
- Metals by SW-846 Methods 6010D/7471B

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

L2129733

The sample CS02_060321 exhibited a percent recovery above the UCL for the internal standard 1,4-dichlorobenzene-d4 (49%). The associated results are qualified as J or UJ because of potential low bias.

PCBs by SW-846 Method 8082A

L212973

The MB for batch WG1510358-1 exhibited a detection of polychlorinated biphenyl (PCBs) (5.07 ug/kg). The associated results in sample CS02_060321 are qualified as J because of potential blank contamination.

Petroleum Hydrocarbon by SW-846 Method 8015D(M)

L212973

The sample MW-002_FP_060321 exhibited a percent recovery above the UCL for the surrogate o-terphenyl (171%). The associated results are qualified as J because of potential high bias.

Metals by SW-846 Method 6010D

L212973

The MB for batch WG1508712-1 exhibited a detection of sodium (17.1 mg/kg). The associated results in sample CS01_060321 are qualified as U at the reporting limit because of potential blank contamination.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

L212973

The MB for batch WG1510275-5 exhibited a detection of styrene (0.35 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1510349-5 exhibited a detection of styrene (0.26 ug/kg). The associated results are non-detect. No qualification is necessary.

The sample CS02_060321 exhibited a percent recovery above the UCL for the surrogate dibromofluoromethane (134%). No associated results are reported from the corresponding reanalysis. No qualification is necessary.

SVOCs by SW-846 Method 8270D

L212973

The sample CS01_060321 exhibited a percent recovery below the LCL for the surrogate 2-fluorobiphenyl (28.0%). No more than one surrogate from a single fraction CS01_060321recovered outside of the control limits. No qualification is necessary.

The LCS for batch WG1510908-2 exhibited percent recoveries above the UCL for 4-nitrophenol (116%, 119%), phenol (94%, 97%), and 4-chloro-3-methylphenol (108%, 112%). The associated results are non-detect. No qualification is necessary.

PCBs by SW-846 Method 8082A

L212973

The MB for batch WG1510358-1 exhibited a detection of aroclor 1268 (5.07 ug/kg). The associated results are non-detect. No qualification is necessary.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 145-165 Wolcott Street
June 2021 Soil and Petroleum Product Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2129733	L2129733-01	CS01_060321	6/3/2021	Tier 1	VOCs, SVOCs, PCB, Metals
L2129733	L2129733-02	CS02_060321	6/3/2021	Tier 1	VOCs, SVOCs, PCB, Metals
L2129733	L2129733-03	MW-002_FP_060321	6/3/2021	Tier 1	LNAPL fingerprint
L2129733	L2129733-04	MW-008_FP_060321	6/3/2021	Tier 1	LNAPL fingerprint

Data Usability Summary Report
For 145-165 Wolcott Street
June 2021 Soil and Petroleum Product Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
CS02_060321	SW8082A	1336-36-3	Polychlorinated Biphenyl (PCBs)	J
CS01_060321	6010D	7440-23-5	Sodium	U (199)
MW-002_FP_060321	M8015D	TPHC9C44	Total Petroleum Hydrocarbons (C9-C44)	J
CS02_060321	SW8260C	630-20-6	1,1,1,2-Tetrachloroethane	UJ
CS02_060321	SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	UJ
CS02_060321	SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	UJ
CS02_060321	SW8260C	79-00-5	1,1,2-Trichloroethane	UJ
CS02_060321	SW8260C	75-34-3	1,1-Dichloroethane	UJ
CS02_060321	SW8260C	75-35-4	1,1-Dichloroethene	UJ
CS02_060321	SW8260C	563-58-6	1,1-Dichloropropene	UJ
CS02_060321	SW8260C	87-61-6	1,2,3-Trichlorobenzene	UJ
CS02_060321	SW8260C	96-18-4	1,2,3-Trichloropropane	UJ
CS02_060321	SW8260C	95-93-2	1,2,4,5-Tetramethylbenzene	UJ
CS02_060321	SW8260C	120-82-1	1,2,4-Trichlorobenzene	UJ
CS02_060321	SW8260C	95-63-6	1,2,4-Trimethylbenzene	UJ
CS02_060321	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
CS02_060321	SW8260C	106-93-4	1,2-Dibromoethane	UJ
CS02_060321	SW8260C	95-50-1	1,2-Dichlorobenzene	UJ
CS02_060321	SW8260C	107-06-2	1,2-Dichloroethane	UJ
CS02_060321	SW8260C	78-87-5	1,2-Dichloropropane	UJ
CS02_060321	SW8260C	108-67-8	1,3,5-Trimethylbenzene	UJ
CS02_060321	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
CS02_060321	SW8260C	142-28-9	1,3-Dichloropropane	UJ
CS02_060321	SW8260C	106-46-7	1,4-Dichlorobenzene	UJ
CS02_060321	SW8260C	105-05-5	1,4-Diethyl Benzene	UJ
CS02_060321	SW8260C	123-91-1	1,4-Dioxane	UJ
CS02_060321	SW8260C	594-20-7	2,2-Dichloropropane	UJ
CS02_060321	SW8260C	95-49-8	2-Chlorotoluene	UJ
CS02_060321	SW8260C	591-78-6	2-Hexanone	UJ
CS02_060321	SW8260C	106-43-4	4-Chlorotoluene	UJ
CS02_060321	SW8260C	622-96-8	4-Ethyltoluene	UJ
CS02_060321	SW8260C	67-64-1	Acetone	UJ
CS02_060321	SW8260C	107-13-1	Acrylonitrile	UJ
CS02_060321	SW8260C	71-43-2	Benzene	UJ
CS02_060321	SW8260C	108-86-1	Bromobenzene	UJ
CS02_060321	SW8260C	74-97-5	Bromochloromethane	UJ
CS02_060321	SW8260C	75-27-4	Bromodichloromethane	UJ
CS02_060321	SW8260C	75-25-2	Bromoform	UJ
CS02_060321	SW8260C	74-83-9	Bromomethane	UJ
CS02_060321	SW8260C	75-15-0	Carbon Disulfide	UJ
CS02_060321	SW8260C	56-23-5	Carbon Tetrachloride	UJ
CS02_060321	SW8260C	108-90-7	Chlorobenzene	UJ

Data Usability Summary Report
For 145-165 Wolcott Street
June 2021 Soil and Petroleum Product Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
CS02_060321	SW8260C	75-00-3	Chloroethane	UJ
CS02_060321	SW8260C	67-66-3	Chloroform	UJ
CS02_060321	SW8260C	74-87-3	Chloromethane	UJ
CS02_060321	SW8260C	156-59-2	Cis-1,2-Dichloroethylene	UJ
CS02_060321	SW8260C	10061-01-5	Cis-1,3-Dichloropropene	UJ
CS02_060321	SW8260C	99-87-6	Cymene	UJ
CS02_060321	SW8260C	124-48-1	Dibromochloromethane	UJ
CS02_060321	SW8260C	74-95-3	Dibromomethane	UJ
CS02_060321	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
CS02_060321	SW8260C	540-59-0	Dichloroethylenes	UJ
CS02_060321	SW8260C	60-29-7	Diethyl Ether (Ethyl Ether)	UJ
CS02_060321	SW8260C	100-41-4	Ethylbenzene	UJ
CS02_060321	SW8260C	87-68-3	Hexachlorobutadiene	UJ
CS02_060321	SW8260C	98-82-8	Isopropylbenzene	UJ
CS02_060321	SW8260C	179601-23-1	m,p-Xylene	UJ
CS02_060321	SW8260C	78-93-3	2-Butanone	UJ
CS02_060321	SW8260C	108-10-1	4-Methyl-2-Pentanone	UJ
CS02_060321	SW8260C	75-09-2	Methylene Chloride	UJ
CS02_060321	SW8260C	91-20-3	Naphthalene	UJ
CS02_060321	SW8260C	104-51-8	N-Butylbenzene	UJ
CS02_060321	SW8260C	103-65-1	N-Propylbenzene	UJ
CS02_060321	SW8260C	95-47-6	O-Xylene	UJ
CS02_060321	SW8260C	135-98-8	Sec-Butylbenzene	UJ
CS02_060321	SW8260C	100-42-5	Styrene	UJ
CS02_060321	SW8260C	98-06-6	T-Butylbenzene	UJ
CS02_060321	SW8260C	1634-04-4	Tert-Butyl Methyl Ether	UJ
CS02_060321	SW8260C	127-18-4	Tetrachloroethylene (PCE)	J
CS02_060321	SW8260C	108-88-3	Toluene	UJ
CS02_060321	SW8260C	542-75-6	Total, 1,3-Dichloropropene	UJ
CS02_060321	SW8260C	156-60-5	Trans-1,2-Dichloroethene	UJ
CS02_060321	SW8260C	10061-02-6	Trans-1,3-Dichloropropene	UJ
CS02_060321	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
CS02_060321	SW8260C	79-01-6	Trichloroethylene (TCE)	UJ
CS02_060321	SW8260C	75-69-4	Trichlorofluoromethane	UJ
CS02_060321	SW8260C	108-05-4	Vinyl Acetate	UJ
CS02_060321	SW8260C	75-01-4	Vinyl Chloride	UJ
CS02_060321	SW8260C	1330-20-7	Xylenes	UJ

JOSEPH CONBOY

STAFF CHEMIST

ENVIRONMNETAL

Mr. Conboy has seven years of environmental chemistry, quality assurance, and environmental database management experience, with a current emphasis on validation of laboratory data for submittal to NJDEP via the New Jersey Data of Known Quality Protocols and to NYSDEC. Previous work experience includes performing validation of data for projects in USEPA Regions 2 and 3 while employing appropriate validation guidelines for each region, managing large data sets, updating appropriate regulatory limits, performing statistical evaluations, and preparing electronic data deliverables and report deliverables using the Earthsoft EQuIS database program, and acted as an intermediary between project managers, field staff, and laboratories. Mr. Conboy also has experience in field sampling techniques and maintains current OSHA HAZWOPER certification.

EDUCATION

B.Sc., Chemistry with a minor in Mathematics
Rowan University

CERTIFICATIONS & TRAINING

OSHA 40-Hour HAZWOPER 29 CFR 1910.120(e)(4) Certification

NJ Analytical Guidance and Data Usability Training

USEPA Data Validation Training

Earthsoft EQuIS Environmental Database Training

SELECTED PROJECTS

- 1400 Ferris, Bronx, NY – Completed validation of soil and groundwater data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOCs and SVOCs including 1,4-dioxane, and tangentially used based on professional judgment to perform validation of PFAS data.
- Broome Street Parking Lot, NY - Completed validation of waste characterization data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOCs, SVOCs, herbicides, PCBs, pesticides, metals including mercury, ignitability temperature, pH, reactive cyanide, reactive sulfide, cyanide, and hexavalent chromium. Toxicity characteristic leachate procedure extraction data for VOCs, SVOCs, herbicides, pesticides, metals, and mercury were also validated.
- 215 North 10th Street, Brooklyn, NY - Completed validation of soil and groundwater data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOC, SVOC, SVOC SIM, herbicide, PCB, pesticide, metals, mercury, cyanide, hexavalent chromium, trivalent chromium data.
- 35 Commercial Street, Brooklyn, NY - Completed validation of soil data and prepared the Data Usability Summary Report for submittal to NYSDEC. USEPA Region II guidelines, with aide from National Functional Guidelines, were employed to perform validation of VOC, SVOC, SVOC SIM, herbicide, PCB, pesticide, metals, mercury, cyanide, hexavalent chromium, trivalent chromium data, and tangentially used based on professional judgment to perform validation of PFAS data.