REMEDIAL INVESTIGATION REPORT

for

240 HUNTINGTON STREET
Brooklyn, New York
NYSDEC BCP No.: C224314

Prepared For:

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Brooklyn, NY 11231

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16 December 2021
Langan Project No. 170430003

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LIST OF ACRONYMS

Acronym	Definition
6 NYCRR	Title 6 of the New York Codes, Rules and Regulations
AOC	Area of Concern
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below Grade Surface
CAMP	Community Air Monitoring Plan
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CSM	Conceptual Site Model
CVOC	Chlorinated Volatile Organic Compound
DER	Division of Environmental Remediation
DER-10	NYSDEC DER Program Policy: Technical Guidance for Site Investigation and Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
EIMS	Environmental Information Management System
el	Elevation
ELAP	Environmental Laboratory Approval Program
EM	Electromagnetic
ESA	Environmental Site Assessment
eV	Electron volt
FWRIA	Fish and Wildlife Resources Impact Analysis
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HDPE	High-Density Polyethylene
HRG	Hager-Richter Geoscience, Inc.
IDW	Investigation Derived Waste
Lakewood	Lakewood Environmental Services Corp
Langan	Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
LNAPL	Light Non-Aqueous Phase Liquid
LSI	Limited Subsurface Investigation
MCL	Maximum Contaminant Level
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
MGP	Manufactured Gas Plant
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTA	Metropolitan Transit Authority
NAPL	Non-Aqueous Phase Liquid
NAVD88	North American Vertical Datum of 1988

Acronym	Definition
ng/L	Nanograms per Liter
NPL	National Priority List
NTU	Nephelometric Turbidity Units
NYCT	New York City Transit
NYSDEC	New York State Department of Environmental Conservation
NYSDEC SGVs	NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water
NYSDOH	New York State Department of Health
PAOC	Potential Area of Concern
Part 375	Part 375-1, 3.8, 6.8
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PGW	Protection of Groundwater
PID	Photoionization Detector
PPE	Personal Protective Equipment
ppm	Parts per million
PUL	Precision Utility Location
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
CU	Restricted Use - Commercial
SCO	Soil Cleanup Objective
SHWS	State Hazardous Waste Site
The site	240 Huntington Street in Brooklyn, New York
SOR	Site Observation Report
SPDES	NYSDEC State Pollutant Discharge Elimination System Permit
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TOV	Total Organic Vapor
UN/DOT	United Nations/Department of Transportation
USEPA	United States Environmental Protection Agency

Acronym	Definition
USGS	United States Geological Survey
UST	Underground Storage Tank
UU	Unrestricted Use
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
Volunteer	300 Huntington Street LLC
York	York Analytical Laboratories, Inc.
µg/L	Microgram per Liter
µg/m³	Microgram per Cubic Meter

CERTIFICATION

I, Michael Burke, certify that I am currently a Qualified Environmental Professional as defined in 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Michael D. Burke, PG, CHMM

1.0 INTRODUCTION

This Remedial Investigation Report (RIR) was prepared on behalf of 300 Huntington Street LLC (the Volunteer) for the property located at 240 Huntington Street in Brooklyn, New York (the site). The Volunteer was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) to investigate and remediate the site pursuant to the NYSDEC Brownfield Cleanup Agreement (BCA) executed on 21 October 2020 (Index No. C224314-10-20). BCP Site No. C224314 was assigned to the site.

This RIR presents environmental data and findings from a remedial investigation (RI) completed by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) between 1 March and 24 March 2021. The investigation was conducted in accordance with the NYSDEC-approved 8 January 2021 Remedial Investigation Work Plan (RIWP); Title 6 of the New York Codes, Rules and Regulations (6 NYCRR) Part 375-1, 3.8, 6.8 (Part 375); NYSDEC Division of Environmental Remediation (DER) Program Policy: Technical Guidance for Site Investigation and Remediation (DER-10); and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, with updates in 2017. The objectives and goals of the RI were to:

- Investigate and characterize the nature and extent of contamination at the site
- Evaluate whether contamination is emanating from the site
- Generate sufficient data to evaluate remedial action alternatives and prepare a Remedial Action Work Plan (RAWP) to be implemented concurrently with site redevelopment
- Generate sufficient data (both on-site and off-site, as necessary) to evaluate the actual and potential threats to human health and the environment

Sufficient analytical data was gathered during the RI, together with previous studies, to achieve the objectives and goals of this RI. Additional data will be gathered during a waste characterization investigation and if needed, a remedial design investigation.

The remainder of the RIR is organized as follows:

- Section 2.0 describes the site setting and physical characteristics
- Section 3.0 describes the site background including results of previous investigations and identifies potential areas of concern (PAOC)
- Section 4.0 presents the RI field sampling procedures
- Section 5.0 describes the RI field observations and analytical results
- Section 6.0 presents a qualitative and quantitative assessment of the exposure risks of site contaminants to human, fish, and wildlife receptors
- Section 7.0 presents the nature and extent of contamination in sampled media as determined through the field investigation and analysis of environmental samples
- Section 8.0 summarizes the results of the investigation and presents conclusions based on field observations and analytical results
- Section 9.0 presents the references used in preparation of this report

2.0 SITE PHYSICAL CHARACTERISTICS

2.1 Site Description

The site is approximately 49,854 square feet (1.15 acres) in area and is located at 240 Huntington Street in Brooklyn, New York (Block 477, Lot 8 on the New York City tax map). The site occupies the northeastern portion of a city block bound by Huntington Street to the north, the Gowanus Canal to the east, 9th Street to the south, and Smith Street to the west. The site is bound to the south and west by a Metropolitan Transportation Authority (MTA) easement containing an elevated New York City Transit (NYCT) structure. The site is currently vacant. A site location map and site plan are provided as Figures 1 and 2, respectively.

According to the New York City Planning Commission Zoning Map 16c, the site is located in an M2-1 manufacturing district. M2 districts typically occupy the middle ground between light and heavy industrial areas.

2.1.1 Description of Surrounding Properties

The site is located in an urban setting that is characterized by industrial, commercial, and residential properties. The following is a summary of surrounding property usage:

Direction	Adjoining Properties (across a street from the site)			Surrounding Properties
	Block No.	Lot No.	Description	
North	471	200	Vacant lot (Owner: Smith Street Owner LLC)	Multiple-story commercial, manufacturing, industrial, and residential buildings
East	N/A	N/A	Gowanus Canal	
South	477	1	Metropolitan Transit Authority easement (Owner: New York City Transit)	
West				

Major infrastructure (storm drains, sewers, and underground utility lines) exists within the streets surrounding the site. Land use within a half-mile of the site is urbanized and includes mixed-use buildings, subway tunnels, park land, and school facilities. One ecological receptor, the Gowanus Canal, is located adjacent to the eastern site boundary. A map of surrounding land uses is provided as Figure 3.

Sensitive receptors (as defined in DER-10) located within a half-mile of the site are listed below:

Name (Approximate distance from Site*)	Address
Ladybug Family Inc. (about 240 feet west)	468 Smith Street # 1 Brooklyn, NY 11231
Sunflower Child Care (about 340 feet southwest)	484 Smith Street Brooklyn, NY 11231

Name (Approximate distance from Site*)	Address
St. Marie's Park (approximately 500 feet northwest)	440 Smith Street Brooklyn, NY 11231
St. Mary's Playground (approximately 560 feet northwest)	422 Smith Street Brooklyn, NY 11231
International School of Brooklyn (about 650 feet northwest)	477 Court Street Brooklyn, NY 11231
Choo Choo Train Daycare, Inc. (about 720 feet southwest)	539 Court St Brooklyn, NY11231
Cough Triangle Park (approximately 860 feet southwest)	566 Court Street Brooklyn, NY 11231
The Olive Treehouse Group, LLC (about 990 feet north)	413 Smith St Brooklyn, NY11231
Strong Place Daycare Center, Inc. (about 1,180 feet southwest)	595 Clinton St Brooklyn, NY11231
New Playground Daycare (about 1,300 feet west)	458 Court Street #1 Brooklyn, NY 11231
PAL Miccio Head Start (about 1,350 feet west)	120 West 9th Street Brooklyn, NY11231
Admiral Triangle Park (approximately 1,360 feet west)	558 Clinton Street Brooklyn, NY 11231
Bambi Child Care (about 1,600 feet northwest)	73 3rd Place Brooklyn, NY 11231
Ennis Playground (approximately 1,700 feet southeast)	124 11th Street Brooklyn, NY 11231
Pave Academy Charter School (about 1,800 feet west)	732 Henry Street Brooklyn, NY 11231
Red Hook Park (approximately 1,800 feet southwest)	140 Lorraine Street Brooklyn, NY 11231
PS 058 (about 2,000 feet north)	330 Smith Street Brooklyn NY 11231
Brooklyn School for Collaborative Studies (about 2,100 feet northwest)	610 Henry Street Brooklyn, NY 11231
PS 146 (about 2,200 feet northwest)	610 Henry Street (& 2nd Place) Brooklyn, New York 11231
The New School of Brooklyn (about 2,200 feet northwest)	610 Henry Street Brooklyn, NY 11231
Irina's Childcare (about 2,260 feet west)	36 1st Place #1 Brooklyn, NY 11231
Carroll Park (approximately 2,300 feet northwest)	375 Court Street Brooklyn, NY 11231

Name (Approximate distance from Site*)	Address
Al Madinah School, Inc. (about 2,320 feet east)	383 3rd Avenue Brooklyn, NY 11215
PS 032 Samuel Mills Sprole (about 2,360 feet northeast)	317 Hoyt Street Brooklyn, NY 11231
Smith Street Workshop (about 2,360 feet northwest)	607 Henry Street Brooklyn, NY 11231
Dimattina Playground (approximately 2,460 feet northwest)	100 Rapelye Street Brooklyn, NY 11231
PS 027 Agnes Y Humphrey (about 2,530 feet northwest)	27 Huntington Street Brooklyn NY 11231
Agnes Y Humphrey School of Leadership (about 2,540 feet northwest)	27 Huntington Street Brooklyn, NY 11231
Summit Academy Charter School/Red Hook Neighborhood School (about 2,540 feet northwest)	27 Huntington Street Brooklyn, NY 11231
Cobble Hill Playschool Inc. (about 2,540 feet northwest)	93 Rapelye Street Brooklyn NY 11231
Cobble Hill Playschool (about 2,550 feet northwest)	653 Hicks Street Brooklyn, NY 11231
Little Royals Daycare (about 2,600 feet west)	79 Lorraine Street Brooklyn, NY 11231
Red Hook Recreation Area (approximately 2,670 feet southwest)	825 Henry Street Brooklyn, NY 11231
Hannah Senesh Community School (about 2,690 feet north)	342 Smith Street Brooklyn, NY 11231

2.1.2 Topography

Based on the November 2020 Survey prepared by Bartlett, Ludlam & Dill Associates, the site ground surface ranges from about elevation[1] (el) 7 to 16. The general topographic gradient of the surrounding area slopes gradually to the east towards the eastern-adjoining Gowanus Canal. The site slopes at a steeper gradient towards the Gowanus Canal along the eastern boundary of the site, where the bulkhead was replaced between October 2019 and January 2020.

2.1.3 Wetlands

Wetlands on the site were evaluated by reviewing the National Wetlands Inventory and NYSDEC regulated wetlands map. There are no wetlands located on the site. The Gowanus Canal adjoins the property to the east and is classified as an E1UBLx wetland.

[1] Elevations are referenced to the North American Vertical Datum of 1988 (NAVD88).

2.2 Geology and Hydrogeology

2.2.1 Regional and Site Geology

Soil and bedrock stratigraphy throughout Brooklyn typically consists of a layer of historic fill material that overlies glacial till, decomposed unconsolidated bedrock, and bedrock. The United States Geological Survey (USGS) "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey, dated 1994" indicates that the bedrock in the area is part of the Hartland Formation. The Hartland Formation is comprised of mica schist and quartz-feldspar granulite, with localized intrusions of granite and pegmatite. Based on previous investigations and Langan's experience at nearby properties, bedrock is expected at about 125 to 150 feet below grade surface (bgs).

The region has been commonly backfilled with historic fill material. Historic fill in the region is generally underlain by marsh/alluvial deposits and glacial outwash sands, followed by channel fill and marine deposits (Jameco Gravel and Gardiner's Clay), followed by Cretaceous age deltaic deposits.

Site stratigraphy consists of historic fill underlain by alluvial sands and marsh deposits consisting of sand with varying amounts of silt, gravel, peat, and clay followed by glacial outwash sands. While not encountered during this investigation, Jameco Gravel and Gardiner's Clay are assumed to underlie these sands followed by bedrock. Historic fill, predominantly consisting of grey to brown fine sand with varying proportions of silt, clay, gravel, brick, concrete, timber, and coal, was encountered from site grade to depths ranging from about 5.75 to 21.5 feet bgs.

2.2.2 Regional and Site Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeological network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, and coverage by impervious surfaces. Other factors influencing groundwater flow include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks.

Groundwater at the site is present in fill and underlying units. Recent alluvial and marsh deposits (meadow mat) are present between the fill and Upper Glacial Aquifer in most areas of the Site. The Upper Glacial Aquifer is generally unconfined; however, it can be locally confined by the presence of silt and clay layers within moraine deposits. On site, where meadow mat is present, water level elevations are higher than where the mat is absent. Shallow, intermediate, and deep groundwater flow east towards Gowanus Canal. Potable water provided to New York City is sourced from reservoirs in the Catskill and Delaware watersheds.

3.0 SITE BACKGROUND

3.1 Environmental History

The site historically operated as a contractor's yard with concrete mixing plant equipment from as early as 1915, an automobile house with a gasoline tank from as early as 1938 until at least 1950, and a blacksmith from as early as 1938 until at least 1969. The concrete mixing activities ended around 2012. The site is currently vacant.

Concrete equipment was demolished in 2017. A new bulkhead along the eastern portion of the site was constructed and completed in February 2020. During excavation of a trench for the installation of deadman piles, two areas of soils exhibiting petroleum-like impacts were encountered at about 4 feet bgs at the base of the trench. The soils were dark gray to black, exhibited petroleum-like odors, and returned photoionization detector (PID) readings up to 103 parts per million (ppm). Based on these findings, a spill was reported and assigned NYSDEC Spill No. 1908119. A map of historical site uses is provided as Figure 4.

3.2 Proposed Redevelopment Plan

The purpose of the project is to remediate and redevelop an underutilized and contaminated brownfield into a six-story, mixed-use commercial/industrial building. The proposed redevelopment will include a building with a 20,924-square-foot footprint, a 14,852-square-foot contractor's yard, and a 50-foot wide public esplanade along the Gowanus Canal. The proposed uses will include retail and industrial (contractor's shop) on the ground floor and offices above.

3.3 Previous Environmental Reports

Previous investigation reports were reviewed as part of this RIR. The reports are summarized below and are included in Appendix A.

- *November 23, 2016 Phase I Environmental Site Assessment (ESA), prepared by Langan*
- *June 2020 Limited Subsurface Investigation (LSI), prepared by Langan*

3.3.1 November 23, 2016 Phase I ESA, prepared by Langan

The Phase I ESA, which was prepared in accordance with the ASTM International Standard E1527-13, identified the following recognized environmental conditions (REC):

REC 1 – Historical Use of Subject Property

Historical use of the site included a contractor's yard with concrete mixing plant equipment from as early as 1915, an automobile house with a gasoline tank from as early as 1938 until at least 1950, and a blacksmith from as early as 1938 until at least 1969. At the time of the site reconnaissance, various chemicals were stored throughout the site in labeled and unlabeled containers. The labeled containers included various concrete admixtures and motor oil.

REC 2 – Adjoining Former Manufactured Gas Plant Site

The northern-adjoining property, the Former Citizens Gas Works Manufactured Gas Plant (MGP) Site, was listed in the Voluntary Cleanup Program (VCP), Brownfields, and MGP databases. The site was an MGP for about 100 years and the site and surrounding properties (including the site) are impacted by MGP residues. The adjoining BCP site is divided into four parcels, I through IV, and the site adjoins the southernmost parcel (Parcel III). Coal tar is present as a non-aqueous phase liquid (NAPL) throughout the portion of the former MGP site that borders the Gowanus Canal and extends to about 120 feet below grade surface. MGP-related contaminants have impacted soil, groundwater, and soil vapor at the site. The off-site portion of the remedial investigation of the MGP site included one boring and three monitoring wells (one location screened at shallow, intermediate, and deep intervals) on the southern Huntington Street sidewalk, adjacent to the site. The soil boring observations and soil and groundwater sample results revealed subsurface petroleum- and tar-impacted soil and groundwater originating from the adjoining former MGP site.

REC 3 – Adjoining National Priorities List (i.e., Superfund) Site

The Gowanus Canal, which adjoins the site to the east, is listed in the National Priorities List (NPL), Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), and State Hazardous Waste Site (SHWS) databases in relation to sediments contaminated with polychlorinated biphenyls (PCBs) and coal tar. Known contamination associated with this Superfund site may have impacted soil, soil vapor, or groundwater at the site.

REC 4 – Historical Use of Adjoining and Surrounding Properties

Historical uses of adjoining and surrounding properties include various industrial, manufacturing, and commercial uses since at least 1886. Adjoining and surrounding uses included, but were not limited, to a chemical fertilizer plant (1886-1904), a boiler cleaning compound factory (1896-1904), an electrical power station (1904), a dextrin gum plant (1915), a substation with an oil house (1915-1938), an inks and dyes manufacturer (1928), an auto repair shop (1928), a paint manufacturing facility (1928 and 1938), a candy factory (1950-1969), a filling station (1969-2007) a wrought iron furniture manufacturer (1977-1991), and unspecified manufacturing (1977-2007). Suspected contamination associated with historical uses of these adjoining and surrounding properties may have impacted soil, soil vapor, or groundwater at the site.

3.3.2 June 2020 Limited Subsurface Investigation (LSI), prepared by Langan

Langan completed an LSI on 20 May 2020 that included the following:

- Installation of one soil boring to 36 feet below bgs.
- Collection of three soil samples (from 5 to 7 feet bgs, 9 to 10 feet bgs, and 31 to 32 bgs) for laboratory analysis.

Field observations and laboratory analytical results include:

Subsurface Observations

Historic fill, predominantly consisting of fine- to medium-grained sand with varying amounts of silt, gravel, concrete, brick, wood, asphalt, and slag, was observed from surface grade to a depth of about 8 feet bgs, and was intersected by an about 8-inch-thick concrete slab at about 4 feet bgs. The fill was underlain by fine sand with varying amounts of silt. An approximately 4-foot layer of dark gray clay was observed from about 22 to 26 feet bgs. Bedrock was not encountered.

Evidence of environmental impacts (e.g., staining, odors, and PID readings up to 88 ppm) were observed at approximately 5 to 13 feet bgs. Coal tar-like odors, staining, and PID readings up to 14,796 ppm were observed at about 28 to 36 feet bgs (boring terminus).

Soil Sample Analytical Results

The three grab soil samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOCs), metals, PCBs, pesticides, and herbicides. VOCs, SVOCs, and metals were detected at concentrations above 6 NYCRR Part 375 Protection of Groundwater (PGW) Soil Cleanup Objectives (SCO) in soil samples SB01_5-7 and SB01_31-32. One VOC and multiple SVOCs were detected at concentrations above Part 375 Restricted Use - Commercial (CU) SCOs in samples SB01_5-7 and SB01_31-32.

3.4 Potential Areas of Concern for Investigation

Based on the site history and the findings of previous environmental investigations, these PAOCs, as presented in the RIWP, were identified and further investigated during the RI. The PAOCs were subsequently updated and revised based on the findings of the RI in section 5.8 (Areas of Concern). A map of areas of concern is provided as Figure 5.

PAOC-1: Historic Fill

Historic fill, generally consisting of sand, with varying amounts of silt, clay, gravel, brick, coal ash, slag, concrete and wood, was observed from the surface to about 8 feet bgs during the LSI. Contaminants associated with historic fill, including SVOCs and metals, were detected at concentrations above Part 375 Unrestricted Use (UU) and PGW SCOs in soil samples collected from the historic fill layer.

PAOC-2: Petroleum Bulk Storage

A suspected gasoline tank was identified within a historical automobile house on the northern part of the property during the Phase I ESA. A geophysical survey was conducted to locate the suspected tank and soil borings in this area of concern (AOC) were advanced to delineate possible impacts and determine whether PAOC-2 represents an onsite petroleum source.

PAOC-3: Open NYSDEC Spill No. 1908119 and Impacts at the Water Table

Environmental impacts, including odors and elevated PID readings, were observed at about 4 feet bgs during installation of the bulkhead. Based on these findings, the site was assigned NYSDEC Spill No. 1908119. Evidence of impacts, including staining, odors, and elevated PID

readings, were observed at approximately 5 to 13 feet bgs during the LSI. The observed impacts were characterized as petroleum-like but may also be the result of lighter-phase coal tar impacts partitioning from the deeper observed coal tar. The extent and source of these impacts is currently unknown. PAOC-3 was investigated via soil borings, monitoring wells, and soil vapor points to characterize and delineate the impacts and determine sources.

PAOC-4: Manufactured Gas Plant Impacts

PAOC-4 represents potential impacts associated with the Gowanus Canal Superfund Site and the northern-adjoining Former Citizens Gas Works MGP, which were encountered at approximately 28 feet bgs during a subsurface investigation and in one boring in Huntington Street just north of the site boundary. Impacts related to the Gowanus Canal Superfund Site and the Former Citizens Gas Works MGP, in the form of dense non-aqueous phase liquid (DNAPL) coal tar, was investigated during the RI to document the presence and evaluate recoverability.

PAOC-4 was investigated through the advancement of soil borings in the eastern part of the site. Following advancement of soil borings, one shallow/deep monitoring well couplet was installed at MW10.

PAOC-5: Other Potential Off-site Sources

There are several off-site RECs identified in the 2016 Phase I ESA to the west and southwest of the site. This PAOC was evaluated with the advancement of soil borings, monitoring wells, and soil vapor points along the south and west site perimeter to evaluate the potential impact to the site from off-site sources.

4.0 REMEDIAL INVESTIGATION

The RI was implemented between 1 March and 24 March 2021 to investigate and characterize the nature and extent of environmental impacts at the site, evaluate the nature of any impacts emanating from the site and provide sufficient information to evaluate remedial alternatives. Additional site visits were conducted on 23 April and 29 April 2021 for monitoring well gauging and drum removal.

Except for deviations that are summarized in Section 4.9, the RI was conducted in accordance with the NYSDEC-approved 8 January 2021 RIWP prepared by Langan, 6 NYCRR Part 375, 6.8, DER-10, and the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, with 2017 updates.

The RI included the following:

Geophysical Survey

- Conducted a geophysical survey to clear drilling locations and identify potential subsurface utilities, structures, and significant subsurface anomalies, as defined in the RIWP.

Soil Investigation

- Advanced 12 soil borings (SB02 through SB13) to between about 25 and 60 feet bgs. A total of 42 soil samples were collected – 3 to 4 soil samples from each soil boring (including duplicate samples) – for laboratory analysis.

Groundwater Investigation

- Installed and developed eight permanent groundwater monitoring wells.
- Collected one groundwater sample from each monitoring well (plus quality assurance/quality control [QA/QC] samples) for laboratory analysis.
- Surveyed and gauged monitoring wells to calculate groundwater elevation and establish flow direction.

Soil Vapor Investigation

- Installed eight soil vapor points to depths ranging from 1 to 4 feet bgs.
- Collected one soil vapor sample (plus QA/QC sample) from each soil vapor point for laboratory analysis.
- Collected one outdoor ambient air sample as a QA/QC measure for laboratory analysis for soil vapor.

RI sample locations are shown on Figure 5 and a sample summary is provided in Table 1.

4.1 Geophysical Survey

A geophysical survey was conducted by Hager-Richter Geoscience, Inc. (HRG) on 1 and 2 March 2021. HRG surveyed the site to evaluate potential subsurface utilities, structures, and significant subsurface anomalies (including underground storage tanks [UST]) and clear boring locations prior to commencing subsurface work. All areas of the site excluding areas with standing water (southwestern portion of the site), debris (stockpile in the southeastern portion of the site), or trailers (northwestern portion of the site) were surveyed. The sidewalk was also inaccessible for surveying due to neighboring construction and cars. The geophysical survey was completed using a range of geophysical instruments, including electromagnetic (EM) induction, precision utility location (PUL) instruments, and ground-penetrating radar (GPR). The following geophysical equipment was used:

- GPR (GSSI UtilityScan HS using a 350 MHz Hyper Stacking antenna)
- Electromagnetic Subsurface Utility Locator (Radiodetection RD7000)
- Electromagnetic Induction Metal Detector (Geonics EM61-MK2)

The survey results were evaluated and interpreted alongside available information from historical maps and other data sources. Borings were relocated as necessary to avoid subsurface anomalies and/or to investigate significant subsurface anomalies. A copy of the geophysical survey report presenting these findings is included in Appendix B.

4.2 Soil Investigation

4.2.1 Drilling and Logging

Lakewood Environmental Services Corp (Lakewood) advanced 12 soil borings (SB02 through SB13) between 2 March and 11 March 2020. A direct-push Geoprobe® 6610 DT drilling rig was used to advance the soil borings. Soil boring depths ranged from 17 to 60 feet bgs, as summarized below:

- Soil borings SB02, SB03, SB05, SB08, and SB11 were advanced to 25 feet bgs.
- Soil borings SB06, SB07, SB09, SB10, SB12, and SB13 were advanced to 60 feet bgs.
- Soil boring SB04 was advanced to refusal at 17 feet bgs, and soil boring SB04A was off-set and re-drilled to 60 feet bgs.

Discrete soil samples were collected continuously from surface grade to the termination depth at each boring location into 2-inch-diameter, 2-, 4- or 5-foot-long MacroCore™ samplers equipped with acetate liners. Recovered soil was visually characterized for soil type, grain size, color, texture, and moisture content. Recovered soil was screened continuously to the boring termination depth for total organic vapor (TOV) concentration using a PID equipped with a 10.6 electron volt (eV) bulb, and for visual and olfactory indications of environmental impacts (e.g., staining and odor). Soil boring logs documenting these observations are included in Appendix C.

Following sample collection, seven borings were converted to groundwater monitoring wells. Borings that were not converted to monitoring wells and were advanced to 17 or 25 feet bgs were backfilled with soil cuttings that were visibly free of environmental impacts (i.e., no staining or odor), clean sand, and/or bentonite to grade surface. The remaining borings that were advanced to 60 feet bgs were backfilled beneath the groundwater table using bentonite followed by a bentonite-grout slurry between the water table and grade surface. Excess and grossly-contaminated soil cuttings were containerized in 55-gallon drums (discussed in Section 4.7).

4.2.2 Soil Sampling and Analysis

A total of 42 soil samples (including QA/QC samples) were collected for laboratory analysis from soil borings. Three to four samples were collected from each soil boring (except SB13) from the intervals indicated in the list below based on the PAOCs each boring was associated with and field observations:

- Surficial soil (within the top 6 inches of the boring) from six borings
- Historic fill layer in each soil boring (except SB13)
- Interval exhibiting the greatest degree of impacts (i.e., visual observations, odors, or PID readings above background) in each soil boring (except SB13)
- One-foot interval below the vertical extent of impacts in each soil boring (except SB13)
- Interval exhibiting the greatest degree of coal tar impacts in two borings

Rationale for each sample is included in Table 1.

Soil samples were collected in laboratory-supplied containers and were sealed, labeled, placed in an ice-chilled cooler in an effort to maintain a temperature of about 4 °C, and transported via courier service to York Analytical Laboratories, Inc. (York), an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory (ELAP ID No. 10854) in Stratford, Connecticut, under chain of custody. Samples submitted for VOC analysis were collected directly from the acetate liner using TerraCore® samplers. Soil samples were analyzed using one or more of the following United States Environmental Protection Agency (USEPA) methods for NYSDEC Part 375 list and USEPA Target Compound List (TCL)/Target Analyte List (TAL):

- VOCs by USEPA Method 8260C
- SVOCs by USEPA Method 8270D
- Pesticides by USEPA Method 8081B
- Herbicides by USEPA Method 8151A
- PCBs by USEPA Method 8082A
- Metals by USEPA Method 6010D/7473
- Hexavalent/Trivalent Chromium by USEPA Method 7196A
- Total cyanide by USEPA Method 9010C/9012B
- Per- and polyfluoroalkyl substances (PFAS) by USEPA Method 537 Modified
- 1,4-Dioxane by USEPA Method 8270D SIM

Samples collected from the one-foot interval below the vertical extents of field-observed impacts were only analyzed for the analyte groups that contained one or more analyte exceeding UU SCOs for VOCs and SVOCs, and CU SCOs for metals in the soil sample collected above (the interval with the greatest degree of impacts).

4.3 Groundwater Investigation

4.3.1 Monitoring Well Installation and Development

Seven soil borings were converted into groundwater monitoring wells (MW02, MW03, MW04, MW06, MW10, MW11, and MW12) after advancing augers within the borehole to the targeted monitoring well depth. The wells were constructed with 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to 10-foot-long, schedule-40, 0.01-inch slotted, 2-inch-diameter PVC screen set to straddle the groundwater table with a minimum of 2 inches of clean sand in the annular space. A deep well was also installed in the MW10 borehole (Well ID MW10D) with a 10-foot long screen set from 53 to 63 feet bgs, and a 2 foot sump extending to 65 feet bgs to collect DNAPL. The annulus of each well was filled with No. 2 sand to about one foot below grade surface or two feet above the top of the screen, whichever was deeper. The wells were then sealed to grade with a bentonite/grout mixture. The annulus of the shallow/deep monitoring well couplet included a 6-foot hydrated granular bentonite seal overlain by cement-based grout installed vertically between the screens via the tremie method. The wells were finished with flush-mounted metal manhole covers set in concrete.

Following installation, each well was developed by surging and continuously purging via submersible pump until the water became clear. Purged groundwater was containerized in a 55-gallon drum (investigation-derived waste is discussed in Section 4.7). Monitoring well construction logs are included in Appendix D.

4.3.2 Groundwater Sampling and Analysis

Monitoring wells were sampled at least one week after development on 12, 18, 19, and 24 March 2021. Sampling was conducted in accordance with the USEPA's low-flow groundwater sampling procedure where possible to allow for collection of representative samples ("Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells," EQASOP-GW 001, September 19, 2017). Prior to sample collection, the depth to water was not measured because of possible PFAS cross contamination from the oil/water interface probe. Ambient and headspace VOC readings were collected from each monitoring well location with a PID.

Groundwater was purged from each well until groundwater parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, turbidity, and oxidation-reduction potential) stabilized, or a minimum of one hour of purging. Monitoring wells MW02 and MW04 were pumped dry during purging and were sampled after the wells were pumped dry three times and allowed to recharge. Sampling occurred over the course of two days for MW04 due to the slow recharge.

Each groundwater sample was collected using a peristaltic pump and dedicated high-density polyethylene (HDPE) tubing.

Eight groundwater samples (plus QA/QC samples) were collected in laboratory-supplied containers and were sealed, labeled, placed in an ice-chilled cooler to maintain a temperature of about 4 °C, and transported via courier service to York. Groundwater samples were analyzed using the following USEPA methods for NYSDEC Part 375 list and USEPA TCL/TAL:

- VOCs by USEPA Method 8260C
- SVOCs by USEPA Method 8270D/8270D SIM
- Pesticides by USEPA Method 8081B
- Herbicides by USEPA Method 8151A
- PCBs by USEPA Method 8082A
- Metals by USEPA Method 6010D/6020B/7470A
- Hexavalent/Trivalent Chromium by USEPA Method 7196A
- Total cyanide by USEPA Method 9010C/9012B
- 1,4-Dioxane by USEPA Method 8270D SIM
- PFAS by USEPA Method 537 Modified

Groundwater sampling logs are included in Appendix E.

4.3.3 Monitoring Well Survey and Synoptic Gauging

The vertical location of each monitoring well, including ground surface elevation, outer casing elevation, and inner casing elevation, was surveyed by Langan on 24 March 2021. Vertical control was established relative to NAVD88 by a New York State-licensed land surveyor. Elevations of the wells were surveyed to the nearest 0.01 foot. A synoptic gauging event was performed on 24 March 2021.

A groundwater contour map is provided as Figure 6. Calculated groundwater elevations are presented in Table 2.

4.4 Soil Vapor Investigation

4.4.1 Soil Vapor Point Installation

Eight soil vapor points (SV02, SV03, SV05 through SV09, and SV12) were installed from about 1 to 4 feet bgs (a minimum of 2 feet above the groundwater table) in accordance with the NYSDOH Guidance. Each soil vapor point was constructed with a dedicated 1-7/8-inch polyethylene implant threaded into polyethylene tubing that extended to surface grade. For soil vapor points deeper than 1 foot bgs, a minimum one-foot-thick sand filter pack was placed around the screen implant followed by a one-foot-thick hydrated bentonite seal. The remainder of the annulus was either backfilled with clean sand or bentonite and sealed with bentonite at the surface. For soil vapor points installed at a depth of 1 foot bgs, a 6-inch-thick sand filter pack was placed around the screen implant followed by a 6-inch thick hydrated bentonite seal.

A seal check was performed at each installed soil vapor sample location with a helium tracer gas before and after sample collection. Prior to sampling, at least three tubing volumes were purged from the soil vapor point using a MultiRAE multi-gas monitor with a flow rate of about 200 milliliters per minute. The multi-gas meter was used to screen the sample tubing for the presence of VOCs.

4.4.2 Soil Vapor Sampling and Analysis

Eight soil vapor samples (plus QA/QC sample) were collected over two days on 5 and 9 March 2021. One outdoor ambient air sample (designated AA01) was collected concurrently with the soil vapor samples on 5 March 2021. Soil vapor and ambient air samples were collected using laboratory-supplied, batch-certified clean, 2.7-liter air canisters equipped with 2-hour sample interval flow controllers. The ambient air sample was collected at a height of about 3 feet above grade surface. Soil vapor and ambient air samples were sealed, labeled, and transported via courier service to York for analysis. The samples were analyzed for VOCs by USEPA Method TO-15.

Soil vapor point construction and sampling logs are included as Appendix F.

4.5 Quality Assurance/Quality Control Sampling

In accordance with the Quality Assurance Project Plan (QAPP), QA/QC samples were collected during the RI. Collected QA/QC samples are detailed below and in Table 1.

Soil QA/QC Samples

- Two duplicate samples
- Four matrix spike/matrix spike duplicate (MS/MSD) samples
- Two field blank samples
- Six PFAS field blank samples
- Two trip blank samples

Groundwater QA/QC Samples

- One duplicate sample
- One MS/MSD sample
- One field blank sample
- Two PFAS field blank samples
- Four trip blank samples

Soil Vapor QA/QC Samples

- One duplicate sample

Field duplicate samples were collected to assess the precision of the analytical methods relative to the sample matrix. The duplicates were collected from the same material as the primary sample (i.e., parent sample) by splitting the volume of homogenized sample collected in the field into two sample containers.

MS/MSD samples were collected to assess the effect of the sample matrix on the recovery of target compounds or target analytes. Similarly to duplicate samples, MS/MSD samples were collected from the same material as the primary sample by splitting the volume of homogenized sample collected in the field into three sample containers.

Field blanks were collected to determine the cleanliness of unused tubing, nitrile gloves, and acetate liners used to collect groundwater and/or soil samples. Field blank samples consisted of deionized, distilled water provided by the laboratory that has passed through the sampling apparatus. Field blank samples were analyzed for the same list of analytes as the corresponding sampling event and sample matrix.

PFAS field blanks were collected to assess the potential for contamination of the sample containers and samples with PFAS during sample collection. Field blank samples consisted of PFAS-free, deionized, distilled water provided by the laboratory that has passed through the sampling apparatus. PFAS field blank samples were analyzed for PFAS by USEPA Method 537 Modified.

Trip blank samples were collected to assess the potential for contamination of the sample containers and samples during transport from the laboratory, to the field, and back to the laboratory for analysis. Trip blanks contain about 40 milliliters of acidic water (doped with hydrochloric acid) that is prepared and sealed by the laboratory when the empty sample containers are shipped to the field, and then unsealed and analyzed for VOCs by the laboratory when the sample shipment is received from the field. A trip blank prepared by the laboratory was not available to be delivered with the 18 March 2021 samples, therefore a field-prepared blank was transported with the samples to assess potential contamination of the samples during transport from the field to the laboratory.

4.6 Data Validation

Laboratory analyses of soil, groundwater, soil vapor and air samples were conducted by a NYSDOH ELAP-certified laboratory in accordance with USEPA SW-846 methods and analytical data was reported consistent with the NYSDEC Analytical Services Protocol (ASP) Category B deliverable format. Environmental data was reported electronically using the database software application EQUIS as part of NYSDEC's Environmental Information Management System (EIMS).

The QA/QC procedures required by the NYSDEC ASP and SW-846 methods, including initial and continuing instrument calibrations, surrogate compound spikes, and analysis of other samples (blanks, laboratory control samples, and MS/MSD) were followed. The laboratory provided sample bottles, which were pre-cleaned and preserved in accordance with the SW-846 methods. Where there were differences in the SW-846 and NYSDEC ASP requirements, the NYSDEC ASP took precedence.

Data validation was performed by a Langan validator in accordance with the USEPA validation guidelines for organic and metal data review. Validation included the following:

- Verification of QC sample results (both qualitative and quantitative)
- Verification of sample results (both positive hits and non-detects)
- Recalculation of 10 percent of all investigative sample results
- Preparation of Data Usability Summary Reports (DUSR)

Laboratory analytical results from the RI were reported in NYSDEC ASP Category B deliverable format and validated by the Data Validator identified in the QAPP.

4.6.1 Data Usability Summary Report Preparation

A data usability summary report (DUSR) was prepared for each laboratory delivery group following data validation. The DUSRs present the results of the data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.

For soil samples, the following items were assessed:

- Holding times
- Sample preservation
- Sample extraction and digestion
- Instrument tuning
- Instrument calibration
- Laboratory blanks
- Laboratory control samples
- System monitoring compounds
- Internal standard area counts
- MS/MSD recoveries
- Target compound identification and qualification
- Chromatograms
- Overall system performance
- Serial dilutions
- Dual column performance
- Field duplicate and field blanks sample results

For groundwater samples, the following items were assessed:

- Holding times
- Sample preservation
- Instrument tuning
- Instrument calibration
- Laboratory blanks
- Laboratory control samples
- System monitoring compounds

- Internal standard area counts
- MS/MSD recoveries
- Target compound identification and qualification
- Chromatograms
- Overall system performance
- Serial dilutions
- Dual column performance
- Field duplicate, trip blank and field blanks sample results

For the sub-slab vapor, soil vapor, and air samples, the following items were assessed:

- Holding times
- Instrument tuning
- Instrument calibration
- Laboratory blanks
- Laboratory control samples
- Internal standard area counts
- Target compound identification and qualification
- Chromatograms
- Overall system performance

Based on the results of data validation, the following qualifiers were assigned to the data in accordance with USEPA's guidelines and best professional judgment:

R – The sample results are unusable due to the quality of the data generated because certain criteria were not met. 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 (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.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

4.7 Investigation-Derived Waste Management

Investigation derived waste (IDW) generated during the RI included excess and grossly-contaminated soil cuttings, purged groundwater and decontamination water. Soil cuttings were containerized in one labeled United Nations/Department of Transportation (UN/DOT)-approved 55-gallon steel drum. Purged groundwater and decontamination water were containerized in two

labeled UN/DOT-approved 55-gallon steel drums. On 29 April 2021, the drums were transported by AARCO Environmental Services Corp., a licensed waste hauler, for disposal at Dale Transfer Corp.

4.8 Air Monitoring

Air monitoring was conducted for site personnel and the community (Community Air Monitoring Plan [CAMP]) in accordance with the NYSDEC-approved 30 June 2020 RIWP during ground intrusive activities between 2 and 11 March 2021. Dust emissions were monitored using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers (µm) in diameter (PM10). Organic vapors were monitored with a PID equipped with a 10.6 eV bulb. CAMP data is provided in Appendix G.

4.8.1 Personnel Air Monitoring

Langan conducted air monitoring of the breathing zone periodically during drilling and sampling activities to evaluate health and safety protection for the field personnel. Initially, ambient air monitoring was performed within the work area. Langan monitored VOCs with a MultiRAE 3000 PID in accordance with the Health and Safety Plan (HASP) (Appendix A). No particulate or organic vapor exceedances were observed in the work area and fugitive dust was not observed on the site.

4.8.2 Community Air Monitoring Plan

In addition to periodic personnel air monitoring in the worker breathing zone, Langan conducted community air monitoring in accordance with NYSDOH Generic CAMP and NYSDEC DER-10 Appendix 1A and Appendix 1B. No particulate or organic vapor exceedances were observed and fugitive dust was not observed on the site throughout the duration of the RI.

4.9 Scope Deviations

The follow deviations were made to the proposed scope of work:

1. Soil boring and monitoring well SB03/MW03 was moved to avoid an unidentified underground anomaly in the northern portion of the site identified by the geophysical survey (about 16 feet northeast of the approved RIWP location).
2. Soil boring and monitoring wells SB09 and SB12 were relocated because of a concrete and debris stockpile in the southeastern portion of the site (about 21 feet west and 33 feet southeast of the approved RIWP locations, respectively).

5.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS

A complete list of the samples collected during the RI is provided in Table 1. Photographs of the RI activities are in the Site Observation Reports (SORs) included in Appendix H.

5.1 Geophysical Investigation Findings

All areas of the site excluding areas with standing water (southwestern portion of the site), debris (stockpile in the southeastern portion of the site), or trailers (northwestern portion of the site) were surveyed.

Multiple subsurface anomalies, including buried metal, tiebacks, and potential utility lines, were identified during the geophysical survey. An irregularly shaped anomaly was identified in the area previously identified as PAOC-2, where a gasoline tank was suspected based on the Phase I ESA findings. Sample locations were adjusted to avoid these anomalies. A copy of the geophysical survey report is included in Appendix B.

5.2 Geology and Hydrogeology

A groundwater contour map is provided as Figure 6. Cross-sectional diagrams showing inferred soil profiles are shown on Figure 7 and soil boring logs are provided in Appendix C.

5.2.1 Geology

Site stratigraphy consists of historic fill underlain by alluvial sands and marsh deposits consisting of sand with varying amounts of silt, gravel, peat, and clay followed by glacial outwash sands. While not encountered during this investigation, Jameco Gravel and Gardiner's Clay are assumed to underlie these sands followed by bedrock.

Historic fill, predominantly consisting of grey to brown fine sand with varying proportions of silt, clay, gravel, brick, concrete, timber, and coal, was encountered from site grade to depths ranging from about 5.75 to 21.5 feet bgs. Historic fill was observed to terminate deeper in the southern and eastern parts of the site (15 to 21.5 feet bgs in SB04 and SB09 through SB13), and shallower in the northern and western parts of the site (5.75 to 9.5 feet bgs in borings SB02, SB03, and SB05 through SB08).

Fill material was underlain by native alluvial sands or clay (marsh deposits), generally beginning at about el. 0 and extending to about el. -25. Several vertical clay layers (marsh deposits) were observed throughout the subsurface generally ranging from about 3 to 10 feet thick. On the western part of the site, clay layers were generally observed to begin around el 2 to el 4.5 (about 6.5 to 13 feet bgs). Clay layers were observed to begin deeper further east (nearer to the Gowanus Canal) and south (SB11). A layer of peat was observed in 4 borings at approximately el. -8 to -13 (about 19.5 to 25 feet bgs). The alluvial/marsh deposits were underlain by glacial outwash sands, generally observed from about el. -25 to the terminus of the deep borings (about el. -50).

5.2.2 Hydrogeology

Groundwater monitoring wells were gauged on 24 March 2021. Groundwater elevations ranged from about el 2.11 to 6.58 (about 4.29 to 9.68 feet bgs). Groundwater flow direction was determined to be to the east towards the Gowanus Canal.

5.3 Soil Findings

5.3.1 Field Observations

5.3.1.1 Soil Boring Refusal

Soil borings SB03, SB04/SB04A, SB08, SB10, SB11, and SB13 were relocated after encountering refusal multiple times. Refusal on treated timber piles or cribbing in borings SB02, SB04, SB04A, SB05, and SB12 was encountered at depths ranging from about 6.5 to 15 feet bgs. Refusal on concrete in borings SB03, SB08, and SB11 was encountered at depths ranging from about 1 to 7 feet bgs.

5.3.1.2 Petroleum-, Creosote-, and Coal Tar-like Impacts

Petroleum-like, creosote-like, and/or coal tar-like impacts were observed in every soil boring advanced during the RI, except for SB11. Impacts were evidenced by odor, staining, sheen, and/or PID readings above background levels. Petroleum-like impacts were generally observed from surface grade to up to 18 feet below the observed groundwater table. Creosote-like impacts were observed in two borings, about 8 to 15 feet bgs. Coal tar-like impacts were observed in two general depth intervals, beginning at about 25 feet bgs and 55 feet bgs. Maximum PID readings and field observations with associated depths are summarized in the following table:

Soil Boring ID	PAOC	Max. PID Reading and Depth	Field Observations and Depth
SB02	PAOC-1, PAOC-5	136 ppm (7.5 feet bgs)	Petroleum-like odor (0 to 1, 5 to 8, and 8 to 10 feet bgs)
SB03	PAOC-1, PAOC-2	1,013 ppm (8 feet bgs)	Black staining (7 to 7.5 feet bgs)
SB04	PAOC-1, PAOC-3, PAOC-4	119.7 ppm (12.5 feet bgs)	Petroleum-like odor and black staining (12 to 13 feet bgs)
SB04A	PAOC-1, PAOC-3, PAOC-4	709.5 ppm (30 feet bgs)	Petroleum-like odor (12 to 15 feet bgs)
			Coal tar-like odor (18.5 to 20, 21 to 25, 27.5 to 40, 42 to 45, and 47.5 to 60 feet bgs) and black staining (29.5 to 30, 32 to 33, 47.5 to 49, and 59 to 60 feet bgs)
			Creosote-like odor (9.25 to 10 feet bgs)
SB05	PAOC-1	1,409 ppm (9.5 feet bgs)	Petroleum-like odor and black staining (0 to 2, 6 to 8, and 8 to 10)
			Petroleum-like odor (13.5 to 15 feet bgs)
SB06	PAOC-1	15,000 ppm (6 to 7 feet bgs)	Petroleum-like odor (0 to 3, 5 to 8, 9 to 10, and 12 to 15 feet bgs)
SB07	PAOC-1, PAOC-3, PAOC-4	8,675 ppm (7 feet bgs)	Petroleum-like odor and black staining (7 to 8 feet bgs)
			Coal tar-like odor, gray staining, and sheen (34.5, 36.5 to 40 and 58 to 59 feet bgs)
SB08	PAOC-1, PAOC-5	1,227 ppm (9 feet bgs)	Petroleum-like odor (6 to 10, 12 to 15, 16 to 18, and 20 to 22 feet bgs)
SB09	PAOC-1, PAOC-3, PAOC-4	827.3 ppm (31.5 feet bgs)	Petroleum-like odor (8 to 10 feet bgs)
			Coal tar-like odor (31 to 35, 37 to 40, 42 to 45, 48 to 50, and 58.5 to 60 feet bgs) and black staining (31 to 35, 42 to 43, and 58.5 to 60 feet bgs)
SB10	PAOC-1, PAOC-3, PAOC-4	233.8 ppm (38.5 feet bgs)	Petroleum-like odor and black staining (9 to 10, 13.5 to 15, and 18 to 20 feet bgs
			Coal tar-like odor (25 to 30, 31.5 to 35, 37 to 40, 44 to 45, 53 to 55, and 58 to 60 feet bgs) and gray or black staining (28.5 to 30, 34.5 to 35, and 58 to 60 feet bgs)
SB11	PAOC-1, PAOC-5	0.0 ppm	N/A
SB12	PAOC-1, PAOC-3, PAOC-4, PAOC-5	14.0 ppm (13 feet bgs)	Creosote-like odor (8 to 10 and 12 to 15 feet bgs)
SB13	PAOC-1, PAOC-3, PAOC-4	218.9 ppm (30 feet bgs)	Petroleum-like odor (12 to 15 and 19.5 to 20 feet bgs)
			Coal tar-like odor (24.5 to 30 and 32.5 to 35, 38.5 to 40, and 42 to 45 feet bgs) and dark grey staining (24.5 to 30 and 32.5 to 35 feet bgs)

Chromatogram results of the representative samples of the DNAPL collected from SB04A and SB10 indicate the DNAPL is similar to a coal tar product. The laboratory also indicated that the

two samples were similar to each other. The lab results and TPH identification by the laboratory are included in Appendix I

5.3.2 Analytical Results

The following sections present a summary of soil sample results from the RI that exceed the UU and/or CU SCOs organized by analytical parameter set.

A summary of the soil sample laboratory results compared to UU and CU SCOs are presented in Table 3. Soil sample locations and results that exceed applicable comparison criteria are presented on Figure 8. Laboratory analytical data reports are included in Appendix I.

VOCs

One or more of 10 VOCs were detected in 17 soil samples collected from surface grade to depths of up 20 feet bgs at concentrations above the UU and/or CU SCOs. The results are summarized in the following table (the number of detections above criteria follow each VOC in parentheses, and the detected concentrations that exceed CU SCOs are bolded):

Analyte	Min. Concentration above SCOs (milligram per kilogram [mg/kg])	Max. Concentration above SCOs (mg/kg)	UU and CU SCOs (mg/kg)
1,2,4-Trimethylbenzene (5)	**260** in SB08_8-10	**430** in SB07_6-8	UU: 3.6 CU: 190
1,3,5-Trimethylbenzene (5)	90 in SB08_8-10	160 in SB07_6-8	UU: 8.4 CU: 190
Acetone (4)	0.055 in SB02_6-8	0.14 in SB08_18-20	UU: 0.05 CU: 500
Benzene (7)	0.083 in SB07_13-15	**60** in SODUP01_030421 (SB06_6-8)	UU: 0.06 CU: 44
Ethylbenzene (7)	2.4 in SB03_0.5-2	140 in SB05_8-10 and SODUP01_030421(SB06_6-8)	UU: 1 CU: 390
Methyl Ethyl Ketone (2-Butanone) (12)	0.61 in SB09_8-10	34 in SODUP01_030421 (SB06_6-8)	UU: 0.12 CU: 500
n-Butylbenzene (5)	21 in SB08_8-10	40 in SB07_6-8	UU: 12 CU: 500
n-Propylbenzene (7)	6.6 in SB03_6-8	65 in SB07_6-8	UU: 3.9 CU: 500
Toluene (5)	2.8 in SB06_0.5-2	53 in SB05_8-10	UU: 0.7 CU: 500
Total Xylenes (8)	1.7 in SB12_8-10	**720** in SB08_8-10	UU: 0.26 CU: 500

SVOCs

One or more of eight SVOCs were detected in seven soil samples collected from surface grade to depths of up 15 feet bgs at concentrations above the UU and/or CU SCOs as summarized in the following table (the number of detections above criteria follow each SVOC in parentheses, and the detected concentrations that exceed CU SCOs are bolded):

Analyte	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and CU SCOs (mg/kg)
Benzo(a)anthracene (4)	3.23 in SB05_0-2	**10.8** in SB06_0.5-2	UU: 1 CU: 5.6
Benzo(a)pyrene (4)	**2.6** in SB05_0-2	**9.28** in SB06_0.5-2	UU: 1 CU: 1
Benzo(b)fluoranthene (4)	1.64 in SB05_0-2	**8.66** in SB06_0.5-2	UU: 1 CU: 5.6
Benzo(k)fluoranthene (4)	1.75 in SB05_0-2	8.42 in SB06_0.5-2	UU: 0.8 CU: 56
Chrysene (4)	3.66 in SB05_0-2	10.5 in SB06_0.5-2	UU: 1 CU: 56
Dibenz(a,h)anthracene (4)	0.48 in SB05_0-2	**2** in SB06_0.5-2	UU: 0.33 CU: 0.56
Indeno(1,2,3-cd)pyrene (5)	0.604 in SB07_6-8	4.69 in SB06_0.5-2	UU: 0.5 CU: 5.6
Naphthalene (2)	15.9 in SB06_6-8	17.3 in SODUP01_030421 (SB06_6-8)	UU: 12 CU: 500

Pesticides

One pesticide was detected in one soil sample collected from surface grade to 0.5 feet bgs at a concentration exceeding the UU SCO. The result is summarized in the following table:

Analyte	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and CU SCOs (mg/kg)
4,4'-DDE (1)	0.00709 in SB04_0-0.5		UU: 0.0033 CU: 62

Herbicides

Herbicides were not detected in soil samples.

PCBs

PCBs were not detected in soil samples.

Metals

One or more of 10 metals were detected in 25 soil samples (out of 42) collected from surface grade to depths of up 20 feet bgs at concentrations above the UU and/or CU SCOs as

summarized in the following table (the number of detections above criteria follow each metal in parentheses, and the detected concentrations that exceed CU SCOs are bolded):

Analyte	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and CU SCOs (mg/kg)
Arsenic (4)	13.2 in SB02_0.5-2 SB08_0.5-2	14.6 in SB04_0-0.5	UU: 13 CU: 16
Barium (1)	377 in SB09_6-8		UU: 350 CU: 400
Chromium, Hexavalent (2)	1.31 in SB04_0-0.5	6.81 in SB12_0.5-2	UU: 1 CU: 400
Chromium, Trivalent (5)	30.2 in SB02_0.5-2 and SODUP02_030821 (SB02_0.5-2)	49.8 in SB08_0.5-2	UU: 30 CU: 1,500
Copper (9)	53.4 in SB06_6-8	**737** in SB12_0-0.5	UU: 50 CU: 270
Lead (13)	65.4 in SB04_0-0.5	**1,750** in SB07_6-8	UU: 63 CU: 270
Mercury (13)	0.182 in SB10_0-2	2.22 in SB12_8-10	UU: 0.18 CU: 2.8
Nickel (1)	32.9 in SB12_18-20		UU: 30 CU: 310
Selenium (3)	5.17 in SB02_0.5-2	9.73 in SODUP02_030821 SB02_0.5-2)	UU: 3.9 CU: 1,500
Zinc (12)	127 in SB09_6-8	792 in SB03_6-8	UU: 109 CU: 10,000

PFAS

No SCOs exist for PFAS. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) concentrations are compared to the NYSDEC guidance document "Sampling, Analysis and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs", dated October 2020, and revised January 2021. PFOS and/or PFOA were not detected in any soil samples.

5.4 Groundwater Findings

5.4.1 Field Observations

The monitoring wells were gauged with an oil-water interface probe after sampling. Neither light non-aqueous phase liquid (LNAPL) nor dense non-aqueous phase liquid (DNAPL) were observed in any monitoring well during the 19 and 24 March 2021 gauging events. Petroleum-like odors were observed during purging at wells MW03 and MW06, which are adjacent to the suspected UST and underground anomaly (PAOC-2) in the northern portion of the site. Creosote-like odors and sheen were observed during purging at MW04, where timber cribber and creosote-like odors

were observed during drilling. Monitoring well headspace PID measurements ranged from 4.7 (MW10D) to 444.0 ppm (MW06).

On 23 April 2021, another synoptic gauging event was conducted. LNAPL was observed in two monitoring wells (MW03 and MW06) and DNAPL was observed in the deep monitoring well (MW10D). A summary of gauged LNAPL or DNAPL thickness is presented in the following table:

Well ID	NAPL Thickness (feet)	Date Gauged
MW03	0.01	4/23/2021
MW06	0.16	4/23/2021
MW10D	1.14	4/23/2021

5.4.2 Analytical Results

Eight monitoring wells were installed and sampled during the RI. The following sections provide a summary of RI groundwater sample results that exceed the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water (herein referred to as NYSDEC SGVs) organized by analytical parameter set.

A summary of the groundwater sample laboratory results compared to NYSDEC SGVs is presented in Table 4. Groundwater sample locations and results that exceed their respective comparison criteria are presented on Figure 9. Laboratory analytical data reports are included in Appendix I.

VOCs

One or more of 14 VOCs were detected in all groundwater samples at concentrations above the NYSDEC SGVs as summarized in the following table (number of detections above criteria follow each VOC in parentheses):

Analyte	Min. Concentration above NYSDEC SGVs (micrograms per liter [µg/L])	Max. Concentration above NYSDEC SGVs (µg/L)	NYSDEC SGVs (µg/L)
1,2,4-Trimethylbenzene (6)	6.16 in MW04_031921	1,190 in MW06_031821	5
1,2-Dichloroethane (1)	7.7 in MW04_031921		0.6
1,3,5-Trimethylbenzene (3)	5.8 in MW10_031821	353 in MW06_031821	5
Acetone (4)	76.1 in MW12_031221	585 in MW06_031821	50
Benzene (7)	2.55 in GWDUP01_031221 (MW11_031221)	7,650 in MW06_031821	1
Ethylbenzene (5)	11 in MW04_031921	1,420 in MW06_031821	5
Isopropylbenzene (Cumene) (4)	5.75 in MW10_031821	100 in MW06_031821	5
m,p-Xylene (5)	16.6 in MW04_031921	3,320 in MW06_031821	5
n-Butylbenzene (2)	9.35 in MW03_031221	39.4 in MW06_031821	5

Analyte	Min. Concentration above NYSDEC SGVs (micrograms per liter [µg/L])	Max. Concentration above NYSDEC SGVs (µg/L)	NYSDEC SGVs (µg/L)
n-Propylbenzene (3)	9 in MW10D_031921	153 in MW06_031821	5
o-Xylene (5)	9.9 in MW03_031221	821 in MW06_031821	5
sec-Butylbenzene (2)	8.55 in MW03_031221	12.8 in MW06_031821	5
Styrene (4)	10.3 in MW04_031921	247 in MW10D_031921	5
Toluene (7)	21.8 in MW03_031221	828 in MW06_031821	5
Total Xylenes (6)	5.93 in MW12_031221	4,140 in MW06_031821	5

Comparisons to o-xylene, and m,p-xylene are provided for reference. Promulgated NYSDEC SGVs are for total xylene.

SVOCs

One or more of 10 SVOCs were detected in 6 groundwater samples at concentrations above the NYSDEC SGVs as summarized in the following table (number of detections above criteria follow each SVOC in parentheses):

Analyte	Min. Concentration above NYSDEC SGVs (µg/L)	Max. Concentration above NYSDEC SGVs (µg/L)	NYSDEC SGVs (µg/L)
2,4-Dimethylphenol (1)	4.69 in MW10_031821		1
Acenaphthene (2)	52.8 in MW10_031821	95.5 in MW10D_031921	20
Benzo(a)anthracene (6)	0.211 in MW02_031821	1.11 in MW06_031821	0.002
Benzo(a)pyrene (3)	0.133 in MW10D_031921	0.4 in MW04_031921	0
Benzo(b)fluoranthene (3)	0.0718 in MW10D_031921	0.24 in MW04_031921	0.002
Benzo(k)fluoranthene (3)	0.103 in MW10D_031921	0.35 in MW04_031921	0.002
Biphenyl (Diphenyl) (1)	46.9 in MW10D_031921		5
Chrysene (5)	0.0556 in MW02_031821	1.33 in MW06_031821	0.002
Indeno(1,2,3-cd)pyrene (2)	0.07 in MW04_031921	0.126 in MW12_031221	0.002
Naphthalene (3)	129 in MW04_031921	3,980 in MW10D_031921	10

Pesticides and Herbicides

Pesticides and herbicides were not detected in groundwater samples.

PCBs

Total PCBs were not detected in groundwater samples.

Metals

One or more of 12 metals were detected in all groundwater samples at concentrations above the NYSDEC SGVs as summarized in the following table (number of detections above criteria follow each metal in parentheses):

Analyte	Min. Concentration above NYSDEC SGVs (µg/L)	Max. Concentration above NYSDEC SGVs (µg/L)	NYSDEC SGVs (µg/L)
Arsenic (2)	25.9 in MW10D_031921	39.5 in MW06_031821	25
Arsenic (Dissolved) (2)	26.2 in MW10D_031921	35.2 in MW06_031821	25
Iron (8)	758 in MW04_032421	6,960 in MW06_031821	300
Iron (Dissolved) (4)	535 in MW06_031821	6,360 in MW03_031221	300
Lead (4)	26.7 in MW06_031821	92.3 in MW12_031221	25
Lead (Dissolved) (2)	35.4 in MW11_031221	49.1 in GWDUP01_031221 (MW11_031221)	25
Magnesium (2)	125,000 in MW10D_031921	136,000 in MW10_031821	35,000
Magnesium (Dissolved) (2)	124,000 in MW10D_031921	134,000 in MW10_031821	35,000
Manganese (3)	380 in MW06_031821	1,220 in MW10_031821	300
Manganese (Dissolved) (2)	712 in MW10D_031921	1,180 in MW10_031821	300
Sodium (9)	23,000 in GWDUP01_031221 (MW11_031221)	1,240,000 in MW10_031821	20,000
Sodium (Dissolved) (9)	22,300 in MW11_031221	1,210,000 in MW10D_031921	20,000

PFAS (21-compound list) and 1,4-Dioxane

PFAS concentrations in groundwater were compared to the NYSDEC January 2021 Guidance Values for PFAS. The guidance states that further assessment or evaluation may be warranted should the following screening levels be exceeded:

- Concentrations of PFOA or PFOS above 10 nanograms per liter (ng/L) that are determined to be attributable to the site, either by a comparison of upgradient and downgradient levels or the presence of soil source areas, as defined by the PFAS Guidance Values for Anticipated Site Use, presented in the NYSDEC PFAS Guidance (January 2021)
- Concentration of an individual PFAS (excluding PFOA and PFOS) above 100 ng/L or
- Total PFAS concentrations above 500 ng/L

PFOA was detected in groundwater samples above the 10 ng/L screening level in seven of the monitoring wells at concentrations ranging from of 0.0105 µg/L (10.5 ng/L) in MW03_031221 to 0.126 µg/L (126 ng/L) in the duplicate sample of MW06_031821. PFOS was detected in groundwater samples above the 10 ng/L screening level in three of the groundwater samples at concentrations ranging from of 0.0178 µg/L (17.8 ng/L) in MW10_031821 to 0.0518 µg/L (51.8 ng/L) in MW04_031921. Exceedances of the guidance values are summarized in the following table (number of detections above criteria follow each PFAS in parentheses, including duplicates):

Analyte	Minimum Detected Concentration above Guidance Values (ng/L)	Maximum Detected Concentration above Guidance Values (ng/L)	NYSDEC January 2021 Guidance Values (ng/L)
Perfluorooctanesulfonic Acid (PFOS) (3)	17.8 in MW10_031821	51.8 in MW04_031921	10
Perfluorooctanoic Acid (PFOA) (8)	10.5 in MW03_031221	126 in MW06_031821	10

Concentrations of an individual PFAS (excluding PFOA and PFOS) were not detected in groundwater samples above the 100 ng/L screening level. Total PFAS were not detected in groundwater samples above the 500 ng/L screening level. Total PFAS concentrations in groundwater samples ranged from 15.3 ng/L in MW10D to 298 ng/L in MW04.

Currently, a groundwater cleanup regulatory criterion does not exist for 1,4-dioxane in New York State. Concentrations of 1,4-dioxane were compared to New York State's drinking water maximum contaminant level (MCL) of 1 microgram per liter (µg/L). 1,4-Dioxane was detected above the MCL for drinking water; however, the MCL is not directly applicable to the groundwater results because groundwater beneath the site is not used as a potable water source.

Analyte	Min. Concentration above MCL (µg/L)	Max. Concentration above MCL (µg/L)	Maximum Contaminant Level (µg/L)
1,4-Dioxane (P-Dioxane) (1)	30.5 in MW04_032421		1

No on site source of PFOA, PFOS, or 1,4-dioxane was identified; therefore, presence of PFAS compounds (PFOA, PFOS) and 1,4-dioxane is likely a regional condition and not attributed to an on-site source.

5.5 Soil Vapor Findings

5.5.1 Analytical Results

Nine soil vapor samples (including one duplicate sample) and one ambient air sample were collected concurrently with soil vapor samples collected on 5 March 2021. Soil vapor and ambient air samples were submitted for laboratory analysis of VOCs by USEPA Method TO-15. Soil vapor sample results are summarized in Table 5 and shown on Figure 10.

VOCs detected in soil vapor samples include:

1,2,4-Trimethylbenzene	Chloromethane	n-Heptane
1,3,5-Trimethylbenzene	Cyclohexane	n-Hexane
2-Hexanone	Dichlorodifluoromethane	o-Xylene
4-Ethyltoluene	Ethylbenzene	Propylene
Acetone	Isopropanol	Styrene

Benzene	M,P-Xylene	Tetrachloroethene (PCE)
Carbon Disulfide	Methyl Ethyl Ketone	Toluene
Carbon Tetrachloride	Methyl Isobutyl Ketone	Trichlorofluoromethane
Chloroform	Methylene Chloride	

Total VOC concentrations in soil vapor samples ranged from about 179 micrograms per cubic meter (µg/m^3) in SV05 to 90,756 µg/m^3 in SV06. The ambient air total VOC concentration was 13 µg/m^3.

No standards currently exist for soil vapor samples in New York State.

Chlorinated VOCs (CVOC), including carbon tetrachloride, methylene chloride, and PCE, and petroleum related compounds (BTEX) were detected in soil vapor samples and are summarized below (number of detections follow each VOC in parentheses):

Analyte	Min. Concentration (µg/m^3)	Max. Concentration (µg/m^3)
Benzene (7)	0.46 in AA01_030521	5,300 in SV06_030521
Carbon Tetrachloride (3)	0.39 in SV05_030521	0.64 in SV03_030921
Ethylbenzene (8)	4.3 in SV12_030521	570 in SV06_030521
m,p-Xylene (8)	20 in SV12_030521	1,000 in SV06_030521
Methylene Chloride (4)	2 in AA01_030521	26 in SV03_030921
o-Xylene (8)	12 in SV08_030521	120 in SV06_030521
PCE (6)	0.79 in AA01_030521	62 in SV09_030921
Toluene (10)	0.71 in AA01_030521	480 in SV06_030521
Total BTEX	0.71 in AA01_030521	7,470 in SV06_030521
Total VOCs	13 in AA01_030521	90,756 in SV06_030521

5.6 QA/QC Sample Results

A summary of the QA/QC sample (field, trip, and equipment blanks) laboratory detections is presented in Table 6. Eight VOCs (acetone, benzene, chloroform, methyl ethyl ketone, methylene chloride, o-xylene, tert-butyl alcohol, and toluene) was detected in at least one of six trip blank samples. Three VOCs (methyl ethyl ketone, methylene chloride, and tert-butyl alcohol), four SVOCs (bis(2-ethylhexyl)phthalate, fluorene, naphthalene, and pyrene), and three metals (calcium, mercury, and potassium) were detected in at least one field blank sample.

5.7 Data Usability

Category B laboratory reports for the soil, groundwater, and soil vapor samples were provided by York to the Langan validator for samples collected during the RI. Laboratory analytical data reports are included as Appendix I.

Completeness, defined as the percentage of analytical results that are judged to be valid, is 100% for soil samples, groundwater samples, and soil vapor samples. A Langan validator performed,

to the extent practicable, the data validation in accordance with the analytical method, "DER-10/Technical Guidance for Site Investigation and Remediation" and "Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, January 2021'. Professional judgment was applied as necessary and where appropriate.

Additional details of the data validation are provided in the DUSRs included as Appendix J.

5.8 Areas of Concern

This section discusses the RI results with respect to the PAOCs identified prior to the start of the RI (described in Section 3.4), and subsequently defines the AOCs determined from RI results and observations.

5.8.1 AOC-1: Historic Fill

During the 2021 RI, a historic fill layer was encountered in all borings from site grade to depths ranging from about 5.75 to 21.5 feet bgs.

Findings Summary

AOC-1 is a site-wide AOC. All borings and monitoring wells are associated with this AOC.

Soil

Historic fill encountered during the RI was characterized as grey to brown fine sand with varying amounts of silt, clay, gravel, brick, concrete, timber, and coal. The fill layer contains VOCs, SVOCs, pesticides, and metals at concentrations above UU and/or CU SCOs.

Results of the RI soil samples (29 total) collected from the historic fill interval are summarized as follows:

- Ten VOCs were detected above UU and/or CU SCOs in samples collected within the historic fill layer. VOCs detected across the site are associated with AOC-2, AOC-3, and AOC-5.
- SVOCs were detected at concentrations exceeding the UU SCOs (benzo(k)fluoranthene, chrysene, indeno(1,2,3-c,d)pyrene, and naphthalene) and CU SCOs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene) in soil samples collected from historic fill. SVOC concentrations were consistent with historic fill composition in samples collected from 5 of 6 soil borings. The naphthalene concentrations detected in boring SB06 are associated with petroleum impacts (AOC-2).
- One pesticide was detected at a concentration exceeding the UU SCO (4,4'-DDE) in one soil sample collected from the historic fill interval.
- Metals were detected at concentrations exceeding the UU SCOs (arsenic, barium, hexavalent chromium, trivalent chromium, mercury, nickel, selenium, and zinc) and CU SCOs (copper and lead) in samples collected within the historic fill layer from all soil borings. Metals impacts are attributed to historic fill.

SVOCs, pesticides, and metals were not detected at concentrations above UU SCOs below the historic fill layer, except for one metal (nickel) detected in SB12_18-20 marginally above the UU SCO (30 mg/kg) at a concentration of 32.9 mg/kg.

Groundwater

Ten SVOCs were detected at concentrations above NYSDEC SGVs in six groundwater samples located across the site.

Six dissolved-phase metals (arsenic, lead, iron, magnesium, manganese, and sodium) were detected at concentrations above NYSDEC SGVs in eight groundwater samples located across the site.

Total metals in unfiltered samples are likely the result of suspended solids in groundwater derived from historic fill as these compounds are not readily dissolvable in groundwater. Dissolved metals, excluding arsenic and lead, are attributed to regional groundwater conditions.

Dissolved arsenic was detected above the NYSDEC SGV in one shallow monitoring well MW06 and one deep monitoring well MW10D. Dissolved arsenic is likely associated with historic fill, creosote-like impacts, and/or off-site former MGP use, discussed further in AOC-4. Dissolved lead was detected above the NYSDEC SGVs in on upgradient monitoring well (MW11) and may be associated with historic fill entrained in the sample.

Conclusions

Historic fill is ubiquitous across the site and extends from site grade to as deep as 21.5 feet bgs. The historic fill layer is deeper in the southern and eastern parts of the site near the canal (15 to 21.5 feet bgs in SB04 and SB09 through SB13), and shallower in the northern and western parts of the site (5.75 to 9.5 feet bgs in borings SB02, SB03, and SB05 through SB08).

SVOC, pesticide, and metals impacts in soil were attributed to the historic fill quality.

SVOCs were detected at concentrations above NYSDEC SGVs in six groundwater samples. SVOCs have low solubility in water (0.01 mg/l or less) and the turbidity goal of 5 NTU was not achieved in all but one of the wells where these compounds were detected above the SGVs. The detections of these compounds above the NYSDEC SGVs are likely associated with turbidity/entrained historic fill in groundwater samples or regional impacts associated with coal tar DNAPL that is common throughout the Gowanus neighborhood.

Total and dissolved metals, excluding arsenic and lead, are attributed to regional groundwater quality. Dissolved lead was detected in one upgradient shallow well and may be associated with historic fill entrained in the sample. Total and dissolved arsenic in a deep groundwater sample from MW10D is associated with the off-site MGP-related impacts or creosote-like impacts (AOC-4), and in shallow groundwater (MW06), it is associated with historic fill or a gasoline spill (AOC-1 and AOC-2).

5.8.2 AOC-2: Petroleum Bulk Storage

The November 2016 Phase I ESA identified a suspected former gasoline UST on the northern part of the site on Sanborn Fire Insurance Maps dated 1938 and 1950. An irregularly-shaped anomaly was detected in the area of the suspected UST during the geophysical survey.

Findings Summary

The RIWP identified SB03 to investigate this AOC, however, based on observed petroleum-like impacts identified during the RI, additional borings are discussed to summarize the delineated extent. The following discussion includes additional sample locations from upgradient and downgradient of the suspected UST.

Geophysical Survey

The geophysical survey conducted during the RI further investigated the area identified in the November 2016 Phase I ESA in the northern part of the site and detected an irregularly-shaped anomaly. The geophysical surveyor could not conclude whether the anomaly is a UST.

Soil

Petroleum-like impacts, as evidenced by staining, odor, PID readings above background and/or analytical results were observed adjacent to and downgradient of the anomaly. Field observations of petroleum-like impacts were observed at boring SB03 between 7 and 7.5 feet bgs, with a maximum PID reading of 1,013 ppm, at boring SB06 between 0 and 15 feet bgs, with a maximum PID reading of 15,000 ppm, at boring SB07 between 7 and 8 feet bgs, with a maximum PID reading of 8,675 ppm, and at boring SB08 between 6 and 15 feet bgs, with a maximum PID reading of 1,227 ppm.

Field observations of petroleum-like impacts were observed at boring locations further down-gradient of the suspected UST; however analytical results from samples collected in the petroleum-impacted intervals did not exceed the SCOs (with the exception of total xylenes at boring SB12; 1.7 mg/kg compared to 0.26 mg/kg UU SCO). Gasoline-related VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, n-butylbenzene, n-propylbenzene, toluene, and/or total xylenes) and one gasoline-related SVOC (naphthalene) were detected in soil at concentrations above UU and/or CU SCOs in soil samples collected from borings SB03, SB06, SB05, SB07, and SB08. The extent of petroleum-impacted soil is defined by analytical results in soil borings SB02, SB04, SB09, SB11, and SB12.

A source of petroleum-related contamination has not been confirmed, but likely originates from the suspected UST near the northern site boundary. Petroleum-like impacts on the eastern side of the site (SB09, SB10, SB12, and SB13) may also be associated with the petroleum-like impacts from the north-adjoining MGP site. The horizontal extents of impacts are delineated in soil by SB02, SB04, SB09, SB11, and SB12. Vertical extents of impacts are delineated in soil by the following deeper soil samples that did not contain VOC concentrations above UU SCOs: SB03_21-23, SB05_18-20, SB06_22-24, SB07_13-15, and SB08_18-20. The only exception was

one petroleum-related VOC (benzene) detected in SB07_13-15 marginally above the UU SCO (0.06 mg/kg) at a concentration of 0.083 mg/kg.

Groundwater

Petroleum-related VOCs and SVOCs were detected at concentrations above NYSDEC SGVs in samples collected from all monitoring wells except MW02. The highest concentrations of petroleum-related VOCs were detected immediately down-gradient of the suspected UST area at MW03 and MW06. Petroleum-like odors were observed during purging at wells MW03 and MW06 and headspace readings in monitoring wells were 112.2 and 444.0 ppm, respectively. LNAPL was not initially observed during the investigation, but was observed at MW03 (thickness 0.01 feet) and MW06 (thickness 0.16 feet) during a monitoring well gauging event on 23 April 2021.

Soil Vapor

Petroleum-related VOCs were detected in soil vapor locations surrounding AOC-2 (SV03, SV06, and SV07). Total VOCs in soil vapor samples surrounding and downgradient from AOC-2 ranged from 1,667 µg/m^3 at SV03 to 90,756 µg/m^3 at SV06.

Conclusions

A geophysical anomaly was detected at the location of a suspected former gasoline UST. Gasoline-related VOCs and SVOCs were detected in soil, groundwater, and soil vapor adjacent to and down-gradient from the suspected UST, with the highest groundwater concentrations at MW03 and MW06 located adjacent to the suspected UST. Based on the findings of the RI, this AOC was expanded to include additional up-gradient and down-gradient locations to delineate impacts.

Field observations of petroleum impacts were observed in all borings except SB12, and the highest degree of impacts were observed closest to the suspected UST area. VOCs were observed above the PGW SCOs in SB03, SB05, SB06, SB07, and SB08. Soil analytical results of petroleum impacts are delineated by borings SB02, SB04, SB09, SB11, and SB12.

Free product was identified in the two monitoring wells closest to the suspected UST area, MW03 and MW06. The highest concentrations of VOCs in groundwater were detected in these two wells, and to a lesser extent at MW11 and MW12. VOCs were not detected in groundwater at the upgradient well MW02. Petroleum-related VOCs detected in MW04 and MW10 are also indicative of MGP waste and are likely associated with MGP-impacts from the north-adjoining property (AOC-4).

5.8.3 AOC-3: Open NYSDEC Spill No. 1908119 and Impacts at the Water Table

Environmental impacts were identified during the installation of the bulkhead on site and a NYSDEC Spill No. 1908119 was assigned. Based on the findings of the RI, petroleum impacts found during bulkhead installation likely originate from the suspected UST area and/or are MGP-

related. The petroleum impacts are associated with AOC-2 and MGP-related impacts are associated with AOC-4.

5.8.4 AOC-4: Manufactured Gas Plant Impacts

AOC-4 was investigated by advancing soil borings to 60 feet bgs in the eastern part of the site and continuing westward until MGP-related impacts were no longer evident in field observations. One deep groundwater monitoring well was installed in the soil boring that had the highest degree of MGP-related impacts based on field observations (SB10).

Findings Summary

Soil

Environmental impacts resembling DNAPL coal tar (including odors, staining, sheen, and/or PID readings above background) were observed in borings on the eastern portion of the site. Coal tar impacts were observed in the three easternmost soil borings (SB04A, SB10, and SB13), all advanced to 60 feet bgs Based on findings in these three soil borings, the three soil borings directly west (SB07, SB09, and SB12), were also advanced to 60 feet bgs. Coal tar-related impacts were observed in SB07 between 34.5 and 40 feet bgs and 58 and 59 feet bgs and in SB09 between 31.5 and 40 feet bgs, 42 and 50 feet bgs, and 58.5 and 60 feet bgs. Coal tar-like impacts were not observed in SB12. SB06 was advanced west of these borings to 60 feet bgs (southwest of SB07 and northwest of SB09). Coal tar-like impacts were not observed in SB06. Because the environmental quality of coal-tar-impacted media is well understood, soil samples in coal tar-impacted intervals were only collected for analysis of petroleum hydrocarbon identification analysis.

Groundwater

One deep monitoring well, MW10D was installed within the boundaries of AOC-4. Based on field observations, the well screen was set between 53 and 63 feet bgs, with a two-foot sump extending to 65 feet bgs. One groundwater sample was collected from MW10D and analysis detected 11 VOCs, seven SVOCs, and five total and dissolved-phase metals (including arsenic). VOCs, SVOCs, and arsenic detected in MW10D are attributed to MGP-related impacts. Similar VOC impacts to groundwater were identified in shallow wells MW04 and MW10. DNAPL was not observed at the time of well installation or groundwater sampling, but was observed in MW10D (thickness 1.14 feet) during a subsequent monitoring well gauging event on 23 April 2021.

Conclusions

MGP-related impacts were delineated to the west by boring SB06 and to the south by boring SB12. MGP-related impacts extend to the eastern property boundary, and to the southern property boundary east of boring SB06 and SB12.

VOCs, SVOCs, and total and dissolved metals were detected at concentrations above NYSDEC SGVs in MW10D and are attributed to MGP-related activities. Shallow groundwater impacts at monitoring wells MW04 and MW10 are likely associated with MGP impacts. Soil samples in coal tar-impacted intervals were only collected for analysis of petroleum hydrocarbon identification analysis, which confirmed the material was similar to a coal tar product.

5.8.5 AOC-5: Other Potential Off-site Sources

Several off-site RECs were previously identified to the west and south of the site. Four soil borings (SB02, SB05, SB08, and SB11), two monitoring wells (MW02 and MW11), and three soil vapor points (SV02, SV05 and SV08) were installed in the western and southern portions of the site to further investigate this AOC.

Findings Summary

Groundwater

PFOA and PFOS were detected at concentrations above NYSDEC PFAS Guidance (January 2021). 1,4-Dioxane was detected at a concentration above the New York State drinking water MCL and 1,2-dichloroethane was detected above the NYSDEC SGV at monitoring well MW04, located in the northeastern corner of the site. While MW04 is not located adjacent to the potential off-site sources identified in AOC-5, no source of 1,4-dioxane and 1,2-dichloroethane was identified on-site, and is likely from an unidentified off-site source.

Soil Vapor

CVOCs were detected at concentrations below the NYSDOH minimum mitigation threshold criteria. A site source of CVOCs was not identified.

Conclusions

Off-site property use surrounding the site includes a boiler cleaning compound factory, auto repair shops, an electrical power station, a substation with oil house, an inks and dyes manufacturer, a filling station, a paint manufacturer, a candy factory, and unspecific manufacturing.

No onsite source of emerging contaminants including PFAS and 1,4-dioxane were identified onsite and detections in groundwater are attributed to off-site sources. Historical uses of the site include a concrete mixing plant, an automobile house with gasoline tank, and a blacksmith, none of which are associated with PFAS or 1,4-dioxane.

No onsite source of CVOCs was identified during the RI, therefore CVOC detections in groundwater and soil vapor are attributed to off-site sources.

6.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

Human health exposure risk was evaluated for both current and future site and off-site conditions, in accordance with the May 2010 NYSDEC Final DER-10 Technical Guidance for Site Investigation and Remediation. The assessment includes an evaluation of potential sources and migration pathways of site contamination, potential receptors, exposure media, and receptor intake routes and exposure pathways.

In addition to the human health exposure assessment, NYSDEC DER-10 requires an on-site and off-site Fish and Wildlife Resources Impact Analysis (FWRIA) if certain criteria are met. Based on the requirements stipulated in Section 3.10 and Appendix 3C of DER-10, there was no need to prepare an FWRIA for the site. A completed form of DER-10 Appendix 3C is enclosed in Appendix K.

6.1 Current Conditions

The site is about 49,854 square feet (about 1.15 acres) in area and located within an urban area. The site was formerly a concrete mixing plant, with concrete mixing activities ending around 2012 and concrete equipment demolished in 2017. The site was most recently used for parking and is currently vacant.

Surface cover at the site consists of concrete, gravel, or soil. A sealed bulkhead is located adjacent to the Gowanus Canal along the eastern site perimeter. One ecological receptor, the Gowanus Canal, is located adjacent to the eastern site boundary. Sensitive receptors were identified within a half-mile of the site are listed in Section 2.1.1.

6.2 Proposed Conditions

The proposed redevelopment includes construction of a six-story mixed-use commercial and industrial building with a 20,924-square-foot footprint, a 14,852-square-foot parking area, and a 50-foot long public esplanade along the Gowanus Canal. The proposed uses of each floor are still in the early planning stages; however, the proposed building would likely house a contractor's shop, retail space, and electrical/storage rooms on the first floor, and offices on floors 2 through 5.

Excavation is anticipated to extend to between el 9 to 3.5 (about 2 to 7.5 feet bgs) to accommodate foundation elements for the slab–on-grade building. Groundwater was measured at el 2.16 to 6.58; therefore, localized dewatering might be necessary to accommodate building foundation construction and the foundation would include a vapor barrier/waterproofing membrane. After construction, continuous impervious covers consisting of concrete building slabs, asphalt contractor's yard, or concrete pavers will cover the majority of the site. Landscaped areas will have at least two feet of clean fill material above a demarcation barrier.

6.3 Summary of Environmental Conditions

Based on the source, concentration, frequency, and locations of compounds identified in soil, groundwater and soil vapor across the site, the contaminants of concern (COCs) for the site are VOCs, SVOCs, and metals.

Soil

Soil sample analytical results identified concentrations of VOCs, SVOCs, metals, and one pesticide that exceed the UU and/or CU SCOs. SVOCs, metals and pesticides are attributed to the historic fill on the site. Historic fill is present across the site to depths ranging from 5.75 to 21.5 feet bgs. Shallow surficial samples collected from the top 6-inches of site soil did not exceed CU SCOs except for one metal, copper, collected from SB12.

VOCs and SVOCs (naphthalene) on the site are attributed to the suspected gasoline UST and the adjoining former MGP site. Coal tar-like impacts were observed on the eastern part of the site and are associated with the adjoining former MGP site.

Groundwater

Petroleum-related VOCs and SVOCs were detected in groundwater at concentrations above the TOGS SGVs in all monitoring wells, except MW02 located in the northwestern corner of the site. VOC concentrations were highest in monitoring wells located adjacent to the suspected former gasoline UST, near the north-central site boundary. Petroleum impacts in groundwater on the eastern part of the site are likely associated with this suspected UST area and/or former MGP activities at the north-adjoining property.

SVOCs were detected in groundwater at concentrations above TOGS SGVs. SVOCs in unfiltered samples are likely partially the result of suspended solids in groundwater derived from historic fill as these compounds are not readily dissolvable in groundwater and the turbidity goal of 5 NTU was not achieved in most of the wells where SVOCs were detected above the SGV. However, SVOCs in groundwater are also likely attributed to the former MGP activities at the north-adjoining property. The highest concentrations of SVOCs were generally detected in wells along the eastern part of the site, coinciding with observed MGP-related impacts.

Metals (total and dissolved) were detected in groundwater throughout the site at concentrations above TOGS SGVs. Total metals in unfiltered samples are likely the result of suspended solids in groundwater derived from historic fill as these compounds are not readily dissolvable in groundwater. Dissolved metals impacts, excluding lead and arsenic, to groundwater are attributed to regional groundwater quality. The source of dissolved arsenic in groundwater is attributed to the former MGP operations at the north-adjoining property. Dissolved lead was detected above the TOGS SGV in one sample near the southern site boundary, and may be related to on-site historic fill.

PFOA and/or PFOS were detected in groundwater samples above the NYSDEC screening levels in all monitoring wells sampled during the RI except the deep well. No historical use consistent

with PFAS use was identified for the site. Based on the evaluation of the soil guidance values, per NYSDEC's PFAS guidance document, no site source of PFAS was identified.

1,4-Dioxane was detected above the MCL for drinking water; however, the MCL is not directly applicable to the groundwater results because groundwater beneath the site is not used as a potable water source. 1,4-Dioxane and 1,2-dichloroethane were detected in one groundwater sample in the northwestern corner at concentrations above their respective applicable comparison criteria. No on-site source was identified, and these impacts are attributed to an unknown off-site source.

Soil Vapor

CVOCs, including carbon tetrachloride, methylene chloride, and PCE, were detected in soil vapor samples across the site. A source of CVOCs was not identified in groundwater or soil.

BTEX compounds were identified in soil vapor samples across the site. The highest concentration of BTEX was identified in the samples downgradient of the suspected gasoline UST. The source of BTEX compounds in soil vapor is associated with the suspected gasoline UST. Off-site former MGP-related activities also contribute to total VOCs detected in soil vapor.

6.4 Conceptual Site Model

A conceptual site model (CSM) was developed based on the findings of the RI to produce a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways.

6.4.1 Potential Sources of Contamination

Potential sources of contamination have been identified and include historic fill, a potential gasoline UST, and historical uses of adjoining and surrounding properties. The site-wide presence of historic fill has been established as a source of SVOCs, pesticides, and metals in soil and/or groundwater. The suspected former gasoline UST has been established as a source of VOCs in soil, groundwater, and soil vapor. LNAPL was detected in two monitoring wells adjacent to the suspected former gasoline UST. The historical use of the north-adjoining property as an MGP site has been established as a source of on-site contamination. Coal tar-like impacts, including DNAPL, were observed in the eastern part of the site at depths ranging from about 24.5 to 60 feet bgs. The adjoining MGP site is a potential source of VOC and SVOC impacts to shallow groundwater, in addition to the on-site gasoline UST. Historical use of surrounding properties, including various manufacturers and factories, and the adjoining Gowanus Canal Superfund site, are potential sources of PFAS, 1,4-dioxane and 1,2-dichloroethane in site groundwater. On-site sources of PFAS, 1,4-dioxane and 1,2-dichloroethane were not identified.

6.4.2 Exposure Media

Impacted media include the following:

- Soil: VOCs, SVOCs, pesticides, and metals

- Groundwater: VOCs, SVOCs, metals, and PFAS
- Soil vapor: VOCs

6.4.3 Receptor Populations

The site is currently vacant with restricted access (locked gate) to authorized guests and personnel investigating environmental and geotechnical conditions. During site development and remedial construction, human receptors will be limited to construction and remediation workers, authorized guests, design team members visiting the site, and the public pedestrians adjacent to the site. Under future conditions, receptors will include the new building occupants, visitors to the residential properties and recreational spaces, and building management/maintenance employees.

6.5 Potential Exposure Pathways – On-Site

6.5.1 Current Conditions

Human exposure to contaminated soil is currently limited as the site is fenced and locked. The majority of the site is unpaved and human exposure to contaminated soil is possible. The potential exposure pathway for dermal absorption, inhalation, and ingestion is controlled through the implementation of a HASP and access limitations.

Because groundwater in this area of New York City is not used as a potable water source and access to groundwater below the site is prevented by surface soil, there is no complete exposure pathway under current site conditions. There is a potential exposure pathway through dermal absorption, inhalation, and ingestion during investigative groundwater sampling (none currently planned), but it is controlled through the implementation of a HASP.

Because the site is undeveloped with no enclosed spaces, there are minimal exposure pathways to soil vapor. Soil vapor that may penetrate through the ground surface primarily migrates vertically through the subsurface and will dissipate and dilute with ambient air. Any remaining potential exposure pathways through dermal absorption and inhalation is controlled by limiting site access and through the implementation of a HASP by those with access.

6.5.2 Construction/Remediation Condition

Remediation and construction activities are anticipated to include excavation and off-site disposal of impacted soil, localized dewatering of contaminated groundwater, in-situ remediation of petroleum impacts (if necessary based on excavation depth), and construction of foundation components/capping systems. Potential exposure pathways for dermal absorption, ingestion, and/or inhalation during construction/remediation will be monitored and controlled through a variety of engineering controls (i.e., the implementation of a Construction Health and Safety Plan [CHASP], CAMP, Soil/Materials Management Plan [SMMP], and the use of vapor and dust suppression techniques). The controls for the construction and remedial activities will be proposed in the forthcoming RAWP based on the findings of this report.

6.5.3 Proposed Future Conditions

Site remediation is anticipated to include installation of a site-wide cover system (e.g., concrete building slabs, asphalt, pavers, landscaping) with a waterproofing/vapor barrier membrane in the building footprint. A cover system would prevent direct human exposure to and ingestion of impacted soil and groundwater. Potable water provided to New York County will continue to be sourced from the Delaware, Catskills and Croton watersheds.

The construction of engineering controls including the building foundation slab and the installation of a waterproofing/vapor barrier membrane will mitigate the exposure pathway of VOCs in soil vapor through inhalation.

6.6 Potential Exposure Pathways – Off-Site

The potential off-site migration of site contaminants is not expected to result in a complete exposure pathway during current, construction and remediation, or future conditions for the following reasons:

- The site is surrounded by fencing and access is limited.
- The following protective measures will be implemented during remedial construction:
    - Continuous air monitoring will be conducted for particulates (i.e., dust) and VOCs during intrusive activities in accordance with a CAMP. Dust and/or vapor suppression techniques will be employed to limit potential for off-site migration of soil and vapors.
    - Vehicle tires and undercarriages will be washed as necessary prior to leaving the site to prevent tracking material off-site.
    - A soil erosion/sediment control plan will be implemented during construction to control runoff and off-site migration of soil or sediment.
- The new construction will include a waterproofing/vapor barrier installed beneath the slab and extending up vertical foundation walls to at least sidewalk grade. After construction, continuous impervious covers consisting of concrete building slabs, asphalt parking lot, or concrete pavers will cover the majority of the site. Landscaped areas will have at least two feet of clean fill material above a demarcation barrier.
- Groundwater in New York City is not used as a potable water source and the nearest ecological receptor, the Gowanus Canal, is located immediately east of the site. On-site contaminant sources will be removed as part of the proposed development. As needed, dewatered groundwater fluids will be pre-treated and discharged off-site to the Gowanus Canal, in accordance with applicable permits.

6.7 Evaluation of Human Health Exposure

Based on the CSM and review of environmental data, complete on-site exposure pathways appear to be present, in the absence of protective measures and remediation. The complete exposure pathways indicate there is a risk of exposure to humans from site contaminants via exposure to soil, groundwater, and soil vapor for current and construction conditions.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. A discussion of the five elements comprising a complete pathway as they pertain to the site is provided below.

6.7.1 Current Conditions

Human exposure to contaminated soil is limited as the site is vacant and surrounded by fencing with locked gates. In localized areas where human exposure to contaminated soil is possible, the potential exposure pathway for dermal absorption, inhalation and ingestion is controlled by limiting site access and through implementation of a HASP by those handling site media (i.e., investigation and remediation activities).

Because groundwater in New York City is not used as a potable water source, there is no complete exposure pathway under current site conditions. There is a potential exposure pathway through dermal absorption, inhalation, and ingestion during investigate groundwater sampling or construction dewatering, but it is controlled by limiting site access and through the implementation of the HASP during ground-intrusive work.

Because the site is vacant and lacking enclosed spaces, there are minimal exposure pathways to soil vapor. Soil vapor that may penetrate through the ground surface of the site primarily migrates vertically through the subsurface and will dissipate and dilute with ambient air. Any remaining potential exposure pathways through dermal absorption and inhalation is controlled by limiting site access and through the implementation of a HASP during ground-intrusive work.

6.7.2 Remedial Construction Activities

During remedial construction, points of exposure include disturbed and exposed soil during excavation and dust and organic vapors generated during soil excavation and off-site disposal. Routes of exposure include ingestion and dermal absorption of contaminated soil, inhalation of organic vapors arising from contaminated soil, and inhalation of dust arising from contaminated soil. The receptor population includes construction and remediation workers and, to a lesser extent, the public adjacent to the site.

The potential for completed exposure pathways is present because all five elements exist; however, the risk will be minimized by limiting site access and through implementation of appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, cleaning truck undercarriages before they leave the

site to prevent off-site soil tracking, maintaining site security, and wearing the appropriate personal protective equipment (PPE).

6.7.3 Proposed Future Conditions

After construction, residual contaminants may remain on-site if a Track 1 remedy is not achieved, and to a lesser extent, would include those listed under current conditions. Contaminant release and transport mechanisms include penetrations through the building foundations and any remaining exposed soil. If protective measures and remediation are not implemented, points of exposure include potential cracks in the proposed building foundation and exposure during any future soil-disturbing activities. Routes of exposure may include inhalation of vapors entering the buildings or dust during any soil-disturbing work. The receptor population includes the building tenants, employees, visitors, and maintenance workers. The possible routes of exposure can be avoided or mitigated by soil vapor mitigation measures, construction and maintenance of a composite cover system (i.e., concrete or at least two feet of clean soil), and implementation of a Site Management Plan.

6.7.4 Human Health Exposure Assessment Conclusions

1. Under current conditions, there is a marginal risk for exposure. The primary exposure pathways are for dermal contact, ingestion and inhalation of soil, groundwater, or soil vapor by site construction and remediation workers. The exposure risks can be avoided or minimized by limiting site access and implementing the appropriate health and safety and vapor and dust suppression measures outlined in a site-specific HASP and CAMP during ground-intrusive activities.
2. In the absence of protective measures, there is a moderate risk of exposure during the construction and remediation activities. The primary exposure pathways are:
    a. Dermal contact, ingestion and inhalation of contaminated soil, groundwater, or soil vapor by site visitors and construction and remediation workers.
    b. Dermal contact, ingestion and inhalation of soil (dust) and inhalation of soil vapor by the community in the vicinity of the site.

    These exposure pathways can be avoided or minimized by performing community air monitoring and by following the appropriate health and safety plans, implementing vapor and dust suppression techniques, and using site security to control access.
3. A complete exposure pathway is possible for the migration of site contaminants to off-site human receptors during the remedial construction phase. During this phase, site access will be limited to authorized visitors and workers and protective measures will be used during construction to prevent completion of this pathway, including following a site-specific HASP and implementation of a CAMP.

4. The existence of a complete exposure pathway for site contaminants to human receptors during proposed future conditions is unlikely, as engineering and institutional controls (ECs and ICs) will be implemented in the absence of a Track 1 remedy. If a Track 1 remedy is not achieved, residual site soil will be capped by a composite cover (i.e., concrete building slab, two feet of clean soil). Regional groundwater is not used as a potable water source in this part of New York City. As needed, dewatered groundwater fluids will be pre-treated and discharged off site in accordance with appropriate permits. The construction of engineering controls including the building foundation slab and the installation of a waterproofing/vapor barrier membrane will mitigate the exposure pathway of VOCs in soil vapor through inhalation.

7.0 NATURE AND EXTENT OF CONTAMINATION

This section evaluates the nature and extent of soil, groundwater, and soil vapor contamination. The nature and extent of the contamination is derived from a combination of field observations and analytical data that were discussed in Section 5.0.

7.1 Soil Contamination

Soil contamination, characterized by field observations and soil sample analytical results exceeding UU and/or CU SCOs, is attributed to the presence of historic fill, a potential gasoline UST, and the northern-adjoining former MGP site.

7.1.1 Historic Fill

Historic fill, predominantly consisting of grey to brown fine sand with varying proportions of silt, clay, gravel, brick, concrete, timber, and coal, was encountered across the site to depths ranging from about 5.75 to 21.5 feet bgs. Historic fill was observed to terminate deeper in the southern and eastern parts of the site (15 to 21.5 feet bgs in SB04 and SB09 through SB13), and shallower in the northern and western parts of the site (5.75 to 9.5 feet bgs in borings SB02, SB03, and SB05 through SB08). Analytical results from the top 6-inches of historic fill revealed one metal, copper, exceeded CU SCOs in SB12.

Creosote-like impacts, evidenced by odor, staining, PID readings above background levels, and contents of the Geoprobe cutting shoe following refusal are attributed to treated timber piles or cribbing in borings SB02, SB04, SB04A, SB05, and SB12 at depths ranging from about 6.5 to 15 feet bgs. Wood/timber was observed in soil borings SB02 from about 7.5 to 8.5 feet bgs, in SB04A from about 9.25 to 10 feet bgs, in SB05 from about 6.5 to 8 feet bgs, in SB12 from about 8 to 10 feet bgs, and the refusal depths of SB04.

The fill layer contains VOCs, SVOCs, a pesticide, and metals at concentrations above UU and/or CU SCOs. Historic fill impacts are delineated vertically by native material in RI soil borings. SVOCs, pesticides, and metals were not detected at concentrations above UU SCOs from below the historic fill layer, except for one metal (nickel) detected in SB12_18-20 marginally above the UU SCO (30 mg/kg) at a concentration of 32.9 mg/kg.

7.1.2 Petroleum-Impacted Soil

Suspected Gasoline UST

Petroleum-like impacts in the north central and eastern parts of the site, evidenced by odor, staining, sheen, PID readings above background levels and by petroleum-related VOCs and SVOCs detected above UU SCOs and/or CU SCOs in soil, are attributed to the historical site use as an automobile house with a gasoline UST. Petroleum impacts attributed to the suspected gasoline UST area were identified in borings SB03, SB05, SB06, SB07, SB08, SB10, and SB13 at depths ranging from about 2 to 20 feet bgs. The horizontal extents of impacts are delineated in soil by SB02, SB04, SB09, SB11, and SB12. Vertical extents of impacts are delineated in soil by

the following deeper soil samples that did not contain VOC concentrations above UU SCOs: SB03_21-23, SB05_18-20, SB06_22-24, SB07_13-15, and SB08_18-20. The only exception was one petroleum-related VOC (benzene) detected in SB07_13-15 marginally above the UU SCO (0.06 mg/kg) at a concentration of 0.083 mg/kg.

Open Spill (Spill No. 1908119)

Based on the findings in the RI, petroleum impacts found during the bulkhead installation that resulted in reporting of Spill. No. 1908119 are likely the result of impacts from the suspected gasoline UST and adjoining former MGP-related impacts (Section 5.8.3 and 5.8.4).

7.1.3 Coal Tar-impacted Soil

Coal tar-related impacts in the eastern part of the site, evidenced by odor, staining, sheen, and/or PID readings above background levels, are attributed to historical site uses of the northern-adjoining property as an MGP site. Coal tar-related impacts were observed in borings SB04A, SB07, SB09, SB10, and SB13 at depths ranging from about 24.5 to 60 feet bgs. Coal tar-related impacts were observed in soil borings SB07 between 34.5 and 40 feet bgs and 58 and 59 feet bgs and in SB09 between 31.5 and 40 feet bgs, 42 and 0 feet bgs, and 58.5 and 60 feet bgs. The horizontal extent of coal tar-related impacts were delineated to the west and southwest by SB06 and SB12. On the eastern side of the site, coal tar-like impact extend to the southern property boundary. The vertical extent of coal tar-related impacts was not determined because boring depths terminated at 60 feet bgs.

7.2 Groundwater Contamination

Groundwater contamination, characterized by field observations and groundwater sample analytical results exceeding NYSDEC SGVs, is attributed to the suspected gasoline UST, and off-site sources.

7.2.1 Petroleum-impacted Groundwater

Petroleum-like odors, PID readings above background, and/or petroleum-related VOC and/or SVOC concentrations above NYSDEC SGVs were identified at seven of eight on-site groundwater monitoring wells (MW03, MW04, MW06, MW10, MW10D, MW11, and MW12).

Petroleum impacts in MW02, MW03, MW06, MW11, and MW12 are related to the suspected gasoline UST in the northern portion of the site. On 23 April 2021, LNAPL was observed in MW03 and MW06. Petroleum-related VOCs detected in MW04, MW10, and MW10D are also MGP-related contaminants and are discussed in the MGP section below.

7.2.2 MGP-Related Impacted Groundwater

On 23 April 2021, 1.14 feet of DNAPL was observed at the bottom of MW10D. MGP-related impacts were observed in monitoring wells MW04, MW10, and MW10D, including VOCs, SVOCs and dissolved arsenic.

7.2.3 PFAS- and 1,4-Dioxane- and 1,2-Dichloroethane-Impacted Groundwater

PFOA and PFOS were detected in groundwater samples above the 10 ng/L screening level in seven and three of the monitoring wells, respectively. Historical use of adjoining and surrounding properties included various unknown manufacturers and factories. PFAS were detected in groundwater above the guidance value; however, based on the evaluation of the PFAS concentrations to the soil guidance values, per NYSDEC PFAS guidance document, no site source of PFAS was identified.

1,4-Dioxane was detected at a concentration above the MCL of 1 µg/L for drinking water; however, the MCL is not directly applicable to the groundwater results because groundwater beneath the site is not used as a potable water source. 1,2-Dichloroethane was detected at a concentration above the NYSDEC SGV at the same location as 1,4-dioxane. No on-site source of 1,4-dioxane and 1,2-dichloroethane was identified; therefore, presence of 1,4-dioxane and 1,2-dichloroethane is an unknown off-site source.

7.3 Soil Vapor Contamination

Twenty-six VOCs, including petroleum-related VOCs and CVOCs (carbon tetrachloride, methylene chloride, and PCE) were detected in soil vapor samples. Total VOC concentrations ranged from about 179 µg/m^3 in SV05 to 90,756 µg/m^3 in SV06. The ambient air total VOC concentration was 13 µg/m^3. Petroleum-related VOCs are associated with the suspected gasoline UST and off-site MGP-related activities.

8.0 CONCLUSIONS

The RI was implemented between 1 March and 24 March 2021 in accordance with the NYSDEC-approved RIWP. Additional site visits were conducted on 23 April and 29 April 2021 for monitoring well gauging and drum removal. The findings of the RI summarized herein are based on qualitative (field observations and instrumental readings) and quantitative (laboratory analytical results and modeling) data. The analytical data generated were determined to be 100% acceptable for soil groundwater, and soil vapor samples by validation. The RI findings and conclusions are as follows:

1. Stratigraphy: Site stratigraphy consists of historic fill underlain by alluvial sands and marsh deposits consisting of sand with varying amounts of silt, gravel, peat, and clay followed by glacial outwash sands. While not encountered during this investigation, Jameco Gravel and Gardiner's Clay are assumed to underlie these sands followed by bedrock. Historic fill, predominantly consisting of grey to brown fine sand with varying proportions of silt, clay, gravel, brick, concrete, timber, and coal, was encountered from site grade to depths ranging from about 5.75 to 21.5 feet bgs. Various clay layers were observed throughout the subsurface generally ranging from about 3 to 10 feet thick. On the eastern part of the site, clay layers were generally observed to begin around el 2 to el 4.5. Clay layers were observed to begin deeper further east (nearer to the Gowanus). Bedrock was not encountered during this investigation but is expected to be about 150 feet bgs.

2. Hydrogeology: Groundwater table depths ranged from about 4.29 to 9.68 feet bgs (groundwater table elevations ranged from about el 2.11 to 6.58). Groundwater flow direction was evaluated and was determined to flow to the east towards the Gowanus Canal.

3. Historic Fill: Historic fill was encountered in all soil borings from surface grade to depths ranging from about 5.75 to 21.5 feet bgs. Historic fill impacts include SVOCs, pesticides, and metals in soil at concentrations above UU and/or CU SCOs.

    a. Creosote Impacts: Creosote-like impacts, evidenced by odor, staining, PID readings above background levels, and contents of the Geoprobe cutting shoe following refusal are attributed to treated timber piles or cribbing in borings. Creosote-like impacts and/or timber were observed in soil borings SB02, SB04, SB04A, SB05, SB10, and SB13 at depths ranging from about 6.5 to 15 feet bgs.

4. Petroleum Impacts to Soil, Groundwater and Soil Vapor: Petroleum-related impacts, as evidenced by field observations and/or analytical data, were identified and are attributed to the suspected gasoline UST and off-site former MGP-related activities.

    a. Petroleum impacts attributed to the historical site use as an automobile house with a suspected gasoline UST were observed in soil borings SB03, SB05, SB06, SB07, and SB08, groundwater monitoring wells MW03, MW06, MW11 and

MW12, and soil vapor points SV02, SV03, SV05, SV06, SV07, SV08, and SV09. Field observations included odor, staining, PID readings above background levels in soil and groundwater. Petroleum-related VOCs and/or SVOCs were detected in soil samples at concentrations above UU and/or CU SCOs and in groundwater samples at concentrations above NYSDEC SGVs. Petroleum-related VOCs were also detected in all soil vapor samples, with the highest BTEX concentration in soil vapor locations in this area (SV06).

b. Petroleum impacts attributed to the off-site former MGP-related activities were identified in soil borings SB04, SB04A, SB09, SB10, SB12, and SB13 and in monitoring wells MW04, MW10, MW10D, and MW12 and in soil vapor samples located at SV09 and SV12. Field observations within the anticipated spill area included petroleum-like odor, staining, sheen, and PID readings above background. Petroleum-related VOCs and/or SVOCs were detected in soil samples at concentrations above UU and/or CU SCOs and in groundwater samples at concentrations above NYSDEC SGVs. Petroleum-related VOCs were also detected in soil vapor samples.

5. Coal Tar Impacts related to Adjoining Site Uses: Coal tar impacts were identified in soil and groundwater and are attributed to the northern-adjoining Former Citizens Gas Works MGP.

    a. Coal tar impacts were observed in soil borings SB04A, SB07, SB09, SB10, and SB13 and in monitoring wells MW10D. On 23 April 2021, 1.14 feet of DNAPL was observed at the bottom of MW10D. Soil samples in coal tar-impacted intervals were only collected for analysis of petroleum hydrocarbon identification analysis, which confirmed the material was similar to a coal tar product. In groundwater, eleven VOCs, seven SVOCs, and five total and dissolved metals, including arsenic, were detected in the groundwater sample at concentrations above NYSDEC SGVs.

6. PFAS, 1,4-Dioxane, and 1,2-Dichloroethane in Groundwater: PFAS-impacted groundwater was identified at the site. No historical use consistent with PFAS use was identified for the site. Based on the evaluation of the soil guidance values, per NYSDEC PFAS guidance document, no site source of PFAS was identified. 1,4-Dioxane and 1,2-dichloroethane were identified in groundwater in one monitoring well at the site, but no site source was identified.

7. Remedial Action Work Plan: Sufficient analytical data were gathered during the RI, together with previous studies, to establish site-specific soil cleanup levels and to develop a remedy for the site. Additional data will be gathered during the forthcoming waste characterization investigation to further refine impacted areas. The final remedy will be

described and evaluated in the forthcoming RAWP to be prepared in accordance with BCP guidelines.

9.0 REFERENCES

1. Phase I Environmental Site Assessment, prepared by Langan, dated November 23, 2016
2. Limited Subsurface Investigation Report, prepared by Langan, dated June 2020.
3. New York State Department of Environmental Conservation, Part 375 of Title 6 of the New York Compilation of Codes, Rules, and Regulations, Effective December 14, 2006.
4. New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft Brownfield Cleanup Program Guide, dated May 2004.
5. New York State Department of Environmental Conservation, DER-10 Technical Guidance for Site Investigation and Remediation, issued May 3, 2010; effective June 18, 2010.
6. New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated January 2021.
7. New York State Department of Health, Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006.
8. New York State Department of Health, Unofficial Compilation of Codes, Rules, and Regulations of the State of New York Subpart 5-1.52, dated May 16, 2018.
9. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) dated June 1998.
10. United States Environmental Protection Agency, Low Flow Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, EQASOP-GW 001, September 19, 2017.
11. United States Fish & Wildlife Service, National Wetlands Inventory, dated 2004.
12. United States Geological Survey, Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey, dated 1994.

TABLES

Table 1
Soil Sample Summary
Remedial Investigation Report

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No. 170430003

SOIL SAMPLES								
Soil Boring ID	**Areas of Concern (AOCs)**	**Sample ID**	**Sampling Depth**	**Duplicate Sample ID**	**Date**	**Time**	**Sample Type**	**Analyses**
SB02	AOC 1, AOC 5	SB02_0-0.5	Surficial Soil	-	3/8/2021	10:50	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB02_0.5-2	Historic Fill	SODUP02_030821	3/8/2021	11:05		
		SB02_6-8	Greatest degree of impacts	-	3/8/2021	11:15		
		SB02_13-15	Interval below impacts	-	3/8/2021	11:30		Part 375/TCL VOCs via USEPA Method 8260C
SB03	AOC 1, AOC 2	SB03_0-0.5	Surficial Soil	MS/MSD	3/5/2021	11:15	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB03_0.5-2	Historic Fill	-	3/5/2021	11:00		
		SB03_6-8	Greatest degree of impacts	-	3/5/2021	11:05		
		SB03_21-23	Interval below impacts	-	3/5/2021	11:10		Part 375/TCL VOCs via USEPA Method 8260C Part 375/TAL Metals by USEPA Method 6010C/7000 series
SB04	AOC 1, AOC 3, AOC 4	SB04_0-0.5	Surficial Soil	-	3/2/2021	13:50	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB04_6-8	Historic Fill	-	3/2/2021	13:55		
		SB04_12-14	Greatest degree of impacts	-	3/2/2021	14:00		
		SB04A_28-30	Coal tar impacts	-	3/9/2021	15:05		Petroleum fingerprint analysis
SB05	AOC 1	SB05_0-2	Historic Fill	-	3/8/2021	13:45	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB05_8-10	Greatest degree of impacts	-	3/8/2021	13:50		
		SB05_18-20	Interval below impacts	-	3/8/2021	14:00		Part 375/TCL VOCs via USEPA Method 8260C
SB06	AOC 1	SB06_0-0.5	Surficial Soil	-	3/4/2021	12:30	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB06_0.5-2	Historic Fill	-	3/4/2021	12:40		
		SB06_6-8	Greatest degree of impacts	SODUP01_030421	3/4/2021	12:20		
		SB06_22-24	Interval below impacts	-	3/4/2021	13:00		Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D
SB07	AOC 1, AOC 3, AOC 4	SB07_0-2	Historic Fill	-	3/4/2021	8:40	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB07_6-8	Greatest degree of impacts	-	3/4/2021	8:45		
		SB07_13-15	Interval below impacts	-	3/4/2021	8:50		Part 375/TCL VOCs via USEPA Method 8260C
SB08	AOC 1, AOC 5	SB08_0-0.5	Surficial Soil	MS/MSD	3/8/2021	15:30	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB08_0.5-2	Historic Fill	-	3/8/2021	15:35		
		SB08_8-10	Greatest degree of impacts	-	3/8/2021	15:40		
		SB08_18-20	Interval below impacts	-	3/8/2021	15:50		Part 375/TCL VOCs via USEPA Method 8260C

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Table 1
Soil Sample Summary
Remedial Investigation Report

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No. 170430003

SOIL SAMPLES								
Soil Boring ID	**Areas of Concern (AOCs)**	**Sample ID**	**Sampling Depth**	**Duplicate Sample ID**	**Date**	**Time**	**Sample Type**	**Analyses**
SB09	AOC 1, AOC 3, AOC 4	SB09_6-8	Historic Fill	-	3/2/2021	16:00	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB09_8-10	Greatest degree of impacts	-	3/2/2021	16:05		
		SB09_18-20	Interval below impacts	-	3/2/2021	16:10		'Part 375/TCL VOCs via USEPA Method 8260C
SB10	AOC 1, AOC 3, AOC 4	SB10_0-2	Historic Fill	-	3/9/2021	15:10	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB10_13-15	Groundwater interface or greatest degree of impacts	-	3/9/2021	15:20		
		SB10_22-24	Interval below impacts	-	3/9/2021	15:15		
		SB10_58-60	Coal tar impacts	-	3/9/2021	15:00		Petroleum fingerprint analysis
SB11	AOC 1, AOC 5	SB11_0-2	Historic Fill	-	3/5/2021	14:50	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB11_8-10	Greatest degree of impacts	-	3/5/2021	14:55		
		SB11_17-19	Interval below impacts	-	3/5/2021	15:00		Part 375/TCL VOCs via USEPA Method 8260C
SB12	AOC 1, AOC 3, AOC 4, AOC 5	SB12_0-0.5	Surficial Soil	-	3/3/2021	11:50	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
		SB12_0.5-2	Historic Fill	-	3/3/2021	11:55		
		SB12_8-10	Greatest degree of impacts	-	3/3/2021	12:00		
		SB12_18-20	Interval below impacts	-	3/3/2021	12:15		Part 375/TCL VOCs via USEPA Method 8260C Part 375/TAL Metals by USEPA Method 6010C/7000 series
Field Blank	-	SOFB01_030321	-	-	3/3/2021	13:15	Grab	Part 375/TCL VOCs via USEPA Method 8260C Part 375/TCL SVOCs via USEPA Method 8270D Part 375/TCL PCBs via USEPA Method 8082A Part 375/TCL Pesticides via USEPA Method 8081B Part 375/TAL Metals by USEPA Method 6010C/7000 series Total Cyanide via USEPA Method 9010C PFAS via USEPA Method 537
	-	SOFB02_030521	-	-	3/5/2021	15:01		
	-	EC_FB01_030221	-	-	3/2/2021	14:30	Grab	PFAS via USEPA Method 537
	-	EC_FB02_030321	-	-	3/3/2021	15:00		
	-	EC_FB03_030421	-	-	3/4/2021	10:30		
	-	EC_FB04_030521	-	-	3/5/2021	14:45		
	-	EC_SOFB05_030821	-	-	3/8/2021	16:45		
	-	EC_FB06_030921	-	-	3/9/2021	15:25		
	-	TB01_030321	-	-	3/3/2021	15:15	-	TCL VOCs via USEPA Method 8260C
	-	Trip Blank	-	-	3/5/2021	12:00	-	

Table 1
Soil Sample Summary
Remedial Investigation Report

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No. 170430003

GROUNDWATER SAMPLES								
Monitoring Well ID	**Areas of Concern (AOCs)**	**Sample ID**	**Screened Interval**	**Duplicate Sample ID**	**Date**	**Time**		**Analyses**
MW02	AOC 1, AOC 5	MW02_031821	3 to 13	-	3/18/2021	17:45	Grab	VOCs via USEPA Method 8260C TCL SVOCs via USEPA Method 8270D TCL PCBs via USEPA Method 8082A TCL Pesticides via USEPA Method 8081B TAL Metals (Total and Dissolved) by USEPA Method 6010C/7000 series Total Cyanide via Standard Method 4500 C/E PFAS via USEPA Method 537
MW03	AOC 1, AOC 2	MW03_021221	2 to 12	-	3/12/2021	9:55		
MW04	AOC 1, AOC 3, AOC 4	MW04_031921	3 to 13	-	3/19/2021	15:00		
		MW04_032421		-	3/24/2021	10:00		
MW06	AOC 1	MW06_031821	2 to 12	-	3/18/2021	10:30		
MW10	AOC 1, AOC 3, AOC 4	MW10_031821	2 to 12	-	3/18/2021	8:45		
MW10D	AOC 4	MW10D_031921	53 to 63	-	3/19/2021	9:30		
MW11	AOC 1, AOC 5	MW11_031221	2 to 12	GWDUP01_031221	3/12/2021	11:30		
MW12	AOC 1, AOC 3, AOC 4, AOC 5	MW12_031221	5 to 15	-	3/12/2021	14:15		
Field Blank	-	GWFB01_031221	-	-	3/12/2021	11:15	-	
PFAS Field Blank	-	EC_FB07_031821	-	-	3/18/2021	8:00	-	PFAS via USEPA Method 537
	-	ECFB08_031921	-	-	3/19/2021	10:05		
Trip Blank	-	Trip Blank	-	-	3/12/2021	12:01	-	VOCs via USEPA Method 8260C
	-	GW_FB02_031821	-	-	3/18/2021	13:00	-	
	-	TB03_031921	-	-	3/19/2021	9:40	-	
	-	TB04_031921	-	-	3/19/2021	15:10	-	

SOIL VAPOR SAMPLES								
Soil Vapor Point ID	**Areas of Concern (AOCs)**	**Sample ID**	**Sampling Depth**	**Duplicate Sample ID**	**Date**	**Time**		**Analyses**
SV02	AOC 5	SV02_030521	4 ft bgs	-	3/5/2021	12:16	Soil Vapor	VOCs by USEPA Method TO-15
SV03	AOC 2	SV03_030921	1 ft bgs	SVDUP01_030921	3/9/2021	12:00		
SV05	AOC 2, AOC 5	SV05_030521	4 ft bgs	-	3/5/2021	12:14		
SV06	AOC 2, AOC 5	SV06_030521	1 ft bgs	-	3/5/2021	13:15		
SV07	AOC 3, AOC 4	SV07_030521	4 ft bgs	-	3/5/2021	12:19		
SV08	AOC 5	SV08_030521	4 ft bgs	-	3/5/2021	12:16		
SV09	AOC 4	SV09_030921	1 ft bgs	-	3/9/2021	12:00		
SV12	AOC 3, AOC 4, AOC 5	SV12_030521	2 ft bgs	-	3/5/2021	12:12		
AA01	-	AA01_030521	Three feet above grade surface	-	3/5/2021	12:12	Ambient Air	

Notes:
1. TCL - Target Compound List
2. VOCs - Volatile organic compounds
3. SVOCs - Semivolatile organic compounds
4. PCBs - Polychlorinated biphenyls
5. TAL - Target Analyte List
6. USEPA - United States Environmental Protection Agency
7. PFAS - Per- and polyfluoroalkyl substances
8. USEPA - United States Environmental Protection Agency

Table 2
Well Construction and Groundwater Elevation Data Summary
Remedial Investigation Report

240 Huntington Street
Brooklyn, New York
BCP Site No.: C224314
Langan Project No. 170340003

Well ID	Date Installed	Screened Interval (feet bgs)	Top of Casing Elevation (feet NAVD88)	Date Gauged	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)	Depth to Product (feet from TOC)	Product Thickness (feet)
MW02	3/8/2021	3 to 13	14.87	3/19/2021 - AM	9.52	5.35	-	-
				3/19/2021 - PM	9.48	5.39	-	-
				3/24/2021	9.68	5.19	-	-
				4/23/2021	9.49	5.38	-	-
MW03	3/5/2021	2 to 12	10.87	3/19/2021 - AM	3.92	6.95	-	-
				3/19/2021 - PM	3.91	6.96	-	-
				3/24/2021	4.29	6.58	-	-
				4/23/2021	4.32	6.55	4.31	0.01
MW04	3/11/2021	3 to 13	7.43	3/19/2021 - AM	N/A	-	-	-
				3/19/2021 - PM	N/A	-	-	-
				3/24/2021	5.27	2.16	-	-
				4/23/2021	5.18	2.25	-	-
MW06	3/8/2021	2 to 12	11.19	3/19/2021 - AM	5.18	6.01	-	-
				3/19/2021 - PM	5.22	5.97	-	-
				3/24/2021	5.14	6.05	-	-
				4/23/2021	5.01	6.18	4.85	0.16
MW10	3/10/2021	2 to 12	7.97	3/19/2021 - AM	5.71	2.26	-	-
				3/19/2021 - PM	5.74	2.23	-	-
				3/24/2021	5.86	2.11	-	-
				4/23/2021	5.83	2.14	-	-
MW10D	3/10/2021	53 to 63	8.08	3/19/2021 - AM	5.69	2.39	-	-
				3/19/2021 - PM	5.86	2.22	-	-
				3/24/2021	5.91	2.17	-	-
				4/23/2021	5.91	2.17	64.54	1.14
MW11	3/5/2021	2 to 12	10.97	3/19/2021 - AM	6.92	4.05	-	-
				3/19/2021 - PM	6.88	4.09	-	-
				3/24/2021	7.10	3.87	-	-
				4/23/2021	6.79	4.18	-	-
MW12	3/3/2021	5 to 15	12.16	3/19/2021 - AM	7.28	4.88	-	-
				3/19/2021 - PM	7.28	4.88	-	-
				3/24/2021	7.32	4.84	-	-
				4/23/2021	6.98	5.18	-	-

Notes:
1. bgs = below grade surface
2. TOC = top of casing
3. Elevations refer to the North American Vertical Datum of 1988 (NAVD88).
4. Monitoring wells were surveyed by Langan on March 24, 2021.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location			SB02		SB02		SB02		SB02		SB02		SB03		SB03		SB03		SB04		SB04		SB04		SB04A	SB05		SB05	
Sample ID	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB02_0-0.5		SB02_0.5-2		SODUP02_030821		SB02_6-8		SB02_13-15		SB03_0-0.5		SB03_0.5-2		SB03_6-8		SB03_21-23		SB04_0-0.5		SB04_6-8		SB04_12-14	SB04A_28-30		SB05_0-2		SB05_8-10	
Laboratory ID			21C0404-09		21C0404-11		21C0404-13		21C0404-10		21C0404-12		21C0344-02		21C0344-03		21C0344-04		21C0344-05		21C0110-01		21C0110-02		21C0110-03	21C0454-02		21C0404-07		21C0404-08	
Sample Date			3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/5/2021		3/5/2021		3/5/2021		3/5/2021		3/2/2021		3/2/2021		3/2/2021	3/9/2021		3/8/2021		3/8/2021	
Sample Depth (feet bgs)			0-0.5		0.5-2		0.5-2		6-8		13-15		0-0.5		0.5-2		6-8		21-23		0-0.5		6-8		12-14	28-30		0-2		8-10	
Volatile Organic Compounds (mg/kg)																														
1,1,1,2-Tetrachloroethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,1,1-Trichloroethane	0.68	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
1,1,2,2-Tetrachloroethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	UJ	0.46	UJ	0.0028	UJ	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	13	UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,1,2-Trichloroethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,1-Dichloroethane	0.27	240	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	*0.31*	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	*13*	UJ
1,1-Dichloroethene	0.33	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	UJ	0.31	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
1,2,3-Trichlorobenzene	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,2,3-Trichloropropane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,2,4-Trichlorobenzene	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,2,4-Trimethylbenzene	3.6	190	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	2.4	D	0.8	JD	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.012		**330**	J
1,2-Dibromo-3-Chloropropane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,2-Dibromoethane (Ethylene Dibromide)	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
1,2-Dichlorobenzene	1.1	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
1,2-Dichloroethane	0.02	30	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	*0.31*	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	*13*	UJ
1,2-Dichloropropane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	13	UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.43	JD	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	**120**	J
1,3-Dichlorobenzene	2.4	280	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
1,4-Dichlorobenzene	1.8	130	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
1,4-Dioxane (P-Dioxane)	0.1	130	0.056	UJ	0.049	UJ	0.051	UJ	0.044	UJ	0.059	UJ	0.056	UJ	*6.2*	U	*9.3*	U	0.057	U	0.055	UJ	0.041	UJ	0.041	UJ	NA	0.054	UJ	*250*	UJ
2-Hexanone (MBK)	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Acetone	0.05	500	0.012		0.021		0.029		**0.055**		0.0068	J	0.0056	U	*0.62*	U	*0.93*	U	0.0097	J	0.0097	J	0.0049	J	0.02	J	NA	0.019		*25*	UJ
Acrolein	~	~	0.0056	UJ	0.0049	UJ	0.0051	UJ	0.0044	UJ	0.0059	UJ	0.0056	UJ	0.62	UJ	0.93	UJ	0.0057	UJ	0.0055	UJ	0.0041	UJ	0.0041	UJ	NA	0.0054	UJ	25	UJ
Acrylonitrile	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Benzene	0.06	44	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	**1.5**	D	**0.72**	JD	0.0054	J	0.0028	U	0.0021	U	0.05	J	NA	0.0031	J	*13*	UJ
Bromochloromethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	13	UJ
Bromodichloromethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Bromoform	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Bromomethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	UJ	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Carbon Disulfide	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0039	J	13	UJ
Carbon Tetrachloride	0.76	22	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
Chlorobenzene	1.1	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
Chloroethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	UJ	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Chloroform	0.37	350	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
Chloromethane	~	~	0.0028	UJ	0.0025	UJ	0.0025	UJ	0.0022	UJ	0.0029	UJ	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	UJ	13	UJ
Cis-1,2-Dichloroethene	0.25	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	*0.31*	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
Cis-1,3-Dichloropropene	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Cyclohexane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	4.4	D	7.3	D	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.027		190	J
Dibromochloromethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Dibromomethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Dichlorodifluoromethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Ethylbenzene	1	390	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	**2.4**	D	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	**140**	J
Hexachlorobutadiene	~	~	0.0028	UJ	0.0025	UJ	0.0025	UJ	0.0022	UJ	0.0029	UJ	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	UJ	13	UJ
Isopropylbenzene (Cumene)	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	2	D	7.2	D	0.0028	U	0.0028	U	0.0021	U	0.027	J	NA	0.0027	U	23	J
M,P-Xylene	~	~	0.0056	U	0.0049	U	0.0051	U	0.0044	U	0.0059	U	0.0056	U	7.7	D	1.2	JD	0.0057	U	0.0055	U	0.0041	U	0.0053	J	NA	0.0054	U	530	J
Methyl Acetate	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	13	UJ
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.011	U	0.0099	U	0.01	U	0.027	U	0.012	U	0.011	U	*1.2*	U	*1.9*	U	0.011	U	0.011	U	0.0083	U	0.0092	U	NA	0.011	U	*13*	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Methylcyclohexane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	6.6	D	30	D	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.076		680	J
Methylene Chloride	0.05	500	0.015		0.0086	J	0.0088	J	0.0044	U	0.01	J	0.0056	U	*0.62*	U	*0.93*	U	0.0057	U	0.0055	U	0.0041	UJ	0.0041	UJ	NA	0.0094	J	*25*	UJ
n-Butylbenzene	12	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	4.8	D	3.1	D	0.0028	U	0.0028	U	0.0021	U	0.0064	J	NA	0.0027	U	**28**	J
n-Propylbenzene	3.9	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	**8**	D	**6.6**	D	0.0028	U	0.0028	U	0.0021	U	0.0065	J	NA	0.0027	U	**53**	J
o-Xylene (1,2-Dimethylbenzene)	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	1.1	D	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0038	J	160	J
p-Cymene (p-Isopropyltoluene)	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Sec-Butylbenzene	11	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	2.5	D	3.5	D	0.0028	U	0.0028	U	0.0021	U	0.091	J	NA	0.0027	U	*13*	UJ
Styrene	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
T-Butylbenzene	5.9	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.022	J	NA	0.0027	U	*13*	UJ
Tert-Butyl Alcohol	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	UJ	0.11		0.14	J	NA	0.0027	U	13	UJ
Tert-Butyl Methyl Ether	0.93	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	UJ	0.002	UJ	NA	0.0027	U	*13*	UJ
Tetrachloroethene (PCE)	1.3	150	0.0028	UJ	0.0025	UJ	0.0025	UJ	0.0022	UJ	0.0029	UJ	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	UJ	0.0021	UJ	0.002	UJ	NA	0.0027	UJ	*13*	UJ
Toluene	0.7	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	**6.1**	D	0.6	JD	0.0028	U	0.0028	U	0.0021	U	0.0048	J	NA	0.0027	U	**53**	J
Total Xylenes	0.26	500	0.0084	U	0.0074	U	0.0076	U	0.0066	U	0.0088	U	0.0084	U	**8.8**	D	*1.4*	U	0.0085	U	0.0083	U	0.0062	U	0.0061	UJ	NA	0.0081	U	**690**	J
Trans-1,2-Dichloroethene	0.19	500	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	*0.31*	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	*13*	UJ
Trans-1,3-Dichloropropene	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	U	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Trichloroethene (TCE)	0.47	200	0.0028	UJ	0.0025	UJ	0.0025	UJ	0.0022	UJ	0.0029	UJ	0.0028	UJ	0.31	UJ	0.46	UJ	0.0028	UJ	0.0028	UJ	0.0021	UJ	0.002	UJ	NA	0.0027	UJ	*13*	UJ
Trichlorofluoromethane	~	~	0.0028	U	0.0025	U	0.0025	U	0.0022	U	0.0029	U	0.0028	UJ	0.31	U	0.46	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	U	13	UJ
Vinyl Chloride	0.02	13	0.0028	UJ	0.0025	UJ	0.0025	UJ	0.0022	UJ	0.0029	UJ	0.0028	UJ	*0.31*	U	*0.46*	U	0.0028	U	0.0028	U	0.0021	U	0.002	UJ	NA	0.0027	UJ	*13*	UJ

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location			SB02		SB02		SB02		SB02		SB02		SB03		SB03		SB03		SB04		SB04		SB04		SB04A	SB05		SB05	
Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB02_0-0.5		SB02_0.5-2		SODUP02_030821		SB02_6-8		SB02_13-15		SB03_0-0.5		SB03_0.5-2		SB03_6-8		SB03_21-23		SB04_0-0.5		SB04_6-8		SB04_12-14	SB04A_28-30		SB05_0-2		SB05_8-10	
Laboratory ID	Unrestricted Use	Restricted Use	21C0404-09		21C0404-11		21C0404-13		21C0404-10		21C0404-12		21C0344-02		21C0344-03		21C0344-04		21C0344-05		21C0110-01		21C0110-02		21C0110-03	21C0454-02		21C0404-07		21C0404-08	
Sample Date	SCOs	Commercial SCOs	3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/5/2021		3/5/2021		3/5/2021		3/5/2021		3/2/2021		3/2/2021		3/2/2021	3/9/2021		3/8/2021		3/8/2021	
Sample Depth (feet bgs)			0-0.5		0.5-2		0.5-2		6-8		13-15		0-0.5		0.5-2		6-8		21-23		0-0.5		6-8		12-14	28-30		0-2		8-10	
Semivolatile Organic Compounds (mg/kg)																															
1,2,4,5-Tetrachlorobenzene	~	~	0.0892	U	0.0854	U	0.0862	U	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
1,2-Diphenylhydrazine	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
1,4-Dioxane (P-Dioxane)	0.1	130	0.0098	U	0.00971	U	0.00962	U	0.0098	U	NA		0.00952	U	0.00943	U	0.0098	U	NA		0.0099	U	0.0099	U	0.00962	U	NA	0.0099	U	0.0099	U
2,3,4,6-Tetrachlorophenol	~	~	0.0892	U	0.0854	U	0.0862	UJ	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
2,4,5-Trichlorophenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2,4,6-Trichlorophenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2,4-Dichlorophenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2,4-Dimethylphenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2,4-Dinitrophenol	~	~	0.0892	U	0.0854	U	0.0862	UJ	0.088	U	NA		0.0993	UJ	0.0916	UJ	0.118	UJ	NA		0.0968	UJ	0.094	UJ	0.0919	UJ	NA	0.0837	U	0.0923	U
2,4-Dinitrotoluene	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	UJ	0.0459	UJ	0.0592	UJ	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2,6-Dinitrotoluene	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2-Chloronaphthalene	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2-Chlorophenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2-Methylnaphthalene	~	~	0.0447	U	0.0428	U	0.0432	U	0.21	D	NA		0.0498	U	6.04	D	22.8	D	NA		0.0642	JD	0.0511	JD	0.046	U	NA	0.229	D	2.7	D
2-Methylphenol (o-Cresol)	0.33	500	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
2-Nitroaniline	~	~	0.0892	U	0.0854	U	0.0862	U	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
2-Nitrophenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
3 & 4 Methylphenol (m&p Cresol)	0.33	500	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
3,3'-Dichlorobenzidine	~	~	0.0447	UJ	0.0428	UJ	0.0432	UJ	0.0441	UJ	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	UJ	0.0463	UJ
3-Nitroaniline	~	~	0.0892	U	0.0854	U	0.0862	U	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
4,6-Dinitro-2-Methylphenol	~	~	0.0892	UJ	0.0854	UJ	0.0862	UJ	0.088	UJ	NA		0.0993	UJ	0.0916	UJ	0.118	UJ	NA		0.0968	UJ	0.094	UJ	0.0919	UJ	NA	0.0837	UJ	0.0923	UJ
4-Bromophenyl Phenyl Ether	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
4-Chloro-3-Methylphenol	~	~	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
4-Chloroaniline	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
4-Chlorophenyl Phenyl Ether	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
4-Nitroaniline	~	~	0.0892	U	0.0854	U	0.0862	U	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
4-Nitrophenol	~	~	0.0892	U	0.0854	U	0.0862	UJ	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
Acenaphthene	20	500	0.0447	U	0.0428	U	0.0432	U	0.083	JD	NA		0.0498	U	1.62	D	0.0592	U	NA		0.089	JD	0.0471	U	0.046	U	NA	0.866	D	0.0575	JD
Acenaphthylene	100	500	0.0447	U	0.0428	U	0.0432	U	0.0865	JD	NA		0.0498	U	0.467	D	0.0592	U	NA		0.0828	JD	0.0504	JD	0.046	U	NA	0.042	U	0.0463	U
Acetophenone	~	~	0.0447	UJ	0.0428	UJ	0.0432	UJ	0.0441	UJ	NA		0.0498	UJ	0.0459	UJ	0.0592	UJ	NA		0.0485	UJ	0.0471	UJ	0.046	UJ	NA	0.042	UJ	0.0463	UJ
Aniline (Phenylamine, Aminobenzene)	~	~	0.179	U	0.171	U	0.173	U	0.176	U	NA		0.199	U	0.183	U	0.237	U	NA		0.194	UJ	0.188	UJ	0.184	UJ	NA	0.168	U	0.185	U
Anthracene	100	500	0.0447	U	0.0428	U	0.0432	U	0.139	D	NA		0.0498	U	2.18	D	0.585	D	NA		0.32	D	0.14	D	0.046	U	NA	1.22	D	0.0463	U
Atrazine	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Benzaldehyde	~	~	0.0447	UJ	0.0428	UJ	0.0432	UJ	0.0441	UJ	NA		0.0498	UJ	0.0459	UJ	0.0592	UJ	NA		0.0485	UJ	0.213	J	0.046	UJ	NA	0.042	UJ	0.0463	UJ
Benzidine	~	~	0.179	UJ	0.171	UJ	0.173	UJ	0.176	UJ	NA		0.199	UJ	0.183	UJ	0.237	UJ	NA		0.194	UJ	0.188	UJ	0.184	UJ	NA	0.168	UJ	0.185	UJ
Benzo(a)anthracene	1	5.6	0.0447	U	0.0457	JD	0.0599	JD	0.366	D	NA		0.0498	U	**5.86**	D	0.516	D	NA		0.812	D	0.502	D	0.046	U	NA	**3.23**	D	0.0463	U
Benzo(a)pyrene	1	1	0.0447	U	0.0457	JD	0.0586	JD	0.25	D	NA		0.0498	U	**5.45**	D	0.424	D	NA		0.711	D	0.4	D	0.046	U	NA	**2.6**	D	0.0463	U
Benzo(b)fluoranthene	1	5.6	0.0447	U	0.0464	JD	0.0531	JD	0.25	D	NA		0.0498	U	**4.25**	D	0.384	D	NA		0.639	D	0.309	D	0.046	U	NA	**1.64**	D	0.0463	U
Benzo(g,h,i)Perylene	100	500	0.0447	U	0.0428	U	0.0432	U	0.279	D	NA		0.0498	U	2.47	D	0.266	D	NA		0.508	D	0.284	D	0.046	U	NA	1.43	D	0.0463	U
Benzo(k)fluoranthene	0.8	56	0.0447	U	0.0428	U	0.0441	JD	0.195	D	NA		0.0498	U	**4.2**	D	0.367	D	NA		0.632	D	0.322	D	0.046	U	NA	**1.75**	D	0.0463	U
Benzoic Acid	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.225	D	0.046	U	NA	0.042	U	0.0463	U
Benzyl Alcohol	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Benzyl Butyl Phthalate	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Biphenyl (Diphenyl)	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Bis(2-chloroethoxy) methane	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Bis(2-chloroisopropyl) ether	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Bis(2-ethylhexyl) phthalate	~	~	0.0734	JD	0.0428	U	0.0682	JD	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0968	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Caprolactam	~	~	0.0892	U	0.0854	U	0.0862	U	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
Carbazole	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.498	D	0.0592	U	NA		0.142	D	0.0541	JD	0.046	U	NA	0.0904	D	0.0463	U
Chrysene	1	56	0.0447	U	0.0539	JD	0.062	JD	0.697	D	NA		0.0556	JD	**5.8**	D	0.666	D	NA		0.82	D	0.552	D	0.0646	JD	NA	**3.66**	D	0.0463	U
Dibenz(a,h)anthracene	0.33	0.56	0.0447	U	0.0428	U	0.0432	U	0.0619	JD	NA		0.0498	U	**0.773**	D	0.0954	JD	NA		0.171	D	0.0992	D	0.046	U	NA	**0.48**	D	0.0463	U
Dibenzofuran	7	350	0.0447	U	0.0428	U	0.0432	U	0.0464	JD	NA		0.0498	U	1.05	D	0.0592	U	NA		0.0967	JD	0.0471	U	0.046	U	NA	0.181	D	0.0463	U
Dibutyl phthalate	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Diethyl phthalate	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Dimethyl phthalate	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Dioctyl phthalate	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Diphenylamine	~	~	0.0892	U	0.0854	U	0.0862	U	0.088	U	NA		0.0993	U	0.0916	U	0.118	U	NA		0.0968	U	0.094	U	0.0919	U	NA	0.0837	U	0.0923	U
Fluoranthene	100	500	0.0699	JD	0.088	D	0.145	D	0.616	D	NA		0.101	D	12.8	D	1.1	D	NA		1.75	D	0.892	D	0.046	U	NA	6.12	D	0.0944	D
Fluorene	30	500	0.0447	U	0.0428	U	0.0432	U	0.101	D	NA		0.0498	U	1.99	D	2.04	D	NA		0.121	D	0.0471	U	0.0477	JD	NA	0.653	D	0.0826	JD
Hexachlorobenzene	0.33	6	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Hexachlorobutadiene	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Hexachlorocyclopentadiene	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Hexachloroethane	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.0447	U	0.0428	U	0.0432	U	0.198	D	NA		0.0498	U	**2**	D	0.223	D	NA		0.422	D	0.225	D	0.046	U	NA	**1.16**	D	0.0463	U
Isophorone	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Naphthalene	12	500	0.0447	U	0.0428	U	0.0432	U	0.193	D	NA		0.0498	U	4.69	D	4.83	D	NA		0.0874	JD	0.0804	JD	0.046	U	NA	0.332	D	1.47	D
Nitrobenzene	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
n-Nitrosodimethylamine	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
n-Nitrosodi-N-Propylamine	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
n-Nitrosodiphenylamine	~	~	0.0447	U	0.0428	U	0.0432	U	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Pentachlorophenol	0.8	6.7	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Phenanthrene	100	500	0.0447	U	0.056	JD	0.131	D	0.469	D	NA		0.0595	JD	13.8	D	3.32	D	NA		1.24	D	0.65	D	0.046	U	NA	6.94	D	0.183	D
Phenol	0.33	500	0.0447	U	0.0428	U	0.0432	UJ	0.0441	U	NA		0.0498	U	0.0459	U	0.0592	U	NA		0.0485	U	0.0471	U	0.046	U	NA	0.042	U	0.0463	U
Pyrene	100	500	0.0642	JD	0.073	JD	0.112	D	0.819	D	NA		0.0762	JD	12.7	D	1.17	D	NA		1.38	D	0.993	D	0.046	U	NA	8.14	D	0.0937	D
Pyridine	~	~	0.179	U	0.171	U	0.173	U	0.176	U	NA		0.199	U	0.183	U	0.237	U	NA		0.194	U	0.188	U	0.184	U	NA	0.168	U	0.185	U

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location			SB02		SB02		SB02		SB02		SB02		SB03		SB03		SB03		SB03		SB04		SB04		SB04		SB04A		SB05		SB05	
Sample ID	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB02_0-0.5		SB02_0.5-2		SODUP02_030821		SB02_6-8		SB02_13-15		SB03_0-0.5		SB03_0.5-2		SB03_6-8		SB03_21-23		SB04_0-0.5		SB04_6-8		SB04_12-14		SB04A_28-30		SB05_0-2		SB05_8-10	
Laboratory ID			21C0404-09		21C0404-11		21C0404-13		21C0404-10		21C0404-12		21C0344-02		21C0344-03		21C0344-04		21C0344-05		21C0110-01		21C0110-02		21C0110-03		21C0454-02		21C0404-07		21C0404-08	
Sample Date			3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/5/2021		3/5/2021		3/5/2021		3/5/2021		3/2/2021		3/2/2021		3/2/2021		3/9/2021		3/8/2021		3/8/2021	
Sample Depth (feet bgs)			0-0.5		0.5-2		0.5-2		6-8		13-15		0-0.5		0.5-2		6-8		21-23		0-0.5		6-8		12-14		28-30		0-2		8-10	
Petroleum Hydrocarbons (mg/kg)																																
Total Petroleum Hydrocarbons	~	~	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.001	U	NA		NA	
Pesticides (mg/kg)																																
4,4'-DDD	0.0033	92	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	UJ	0.00188	UJ	0.00184	UJ	NA		0.00167	U	0.0018	U
4,4'-DDE	0.0033	62	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		**0.00709**	D	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
4,4'-DDT	0.0033	47	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Aldrin	0.005	0.68	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	3.4	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Alpha Chlordane	0.094	24	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.0106	J	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Alpha Endosulfan	2.4	200	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Beta Endosulfan	2.4	200	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Chlordane (alpha and gamma)	~	~	0.0351	U	0.0336	U	0.0339	U	0.0351	U	NA		0.0386	U	0.0359	U	0.0468	U	NA		0.0597	D	0.0376	U	0.0367	U	NA		0.0334	U	0.0359	U
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	500	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Dieldrin	0.005	1.4	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Endosulfan Sulfate	2.4	200	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Endrin	0.014	89	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Endrin Aldehyde	~	~	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Endrin Ketone	~	~	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Gamma Bhc (Lindane)	0.1	9.2	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Gamma-Chlordane	~	~	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.0108	J	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Heptachlor	0.042	15	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Heptachlor Epoxide	~	~	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Methoxychlor	~	~	0.00175	U	0.00168	U	0.00169	U	0.00175	U	NA		0.00193	U	0.00179	U	0.00234	U	NA		0.00193	U	0.00188	U	0.00184	U	NA		0.00167	U	0.0018	U
Toxaphene	~	~	0.175	U	0.168	U	0.169	U	0.175	U	NA		0.193	U	0.179	U	0.234	U	NA		0.193	U	0.188	U	0.184	U	NA		0.167	U	0.18	U
Herbicides (mg/kg)																																
2,4,5-T (Trichlorophenoxyacetic Acid)	~	~	0.0213	U	0.0201	UJ	0.0208	UJ	0.0212	U	NA		0.0239	U	0.0219	U	0.0283	U	NA		0.0231	U	0.0225	U	0.0223	U	NA		0.02	U	0.022	U
2,4-D (Dichlorophenoxyacetic Acid)	~	~	0.0213	U	0.0201	UJ	0.0208	UJ	0.0212	U	NA		0.0239	U	0.0219	U	0.0283	U	NA		0.0231	U	0.0225	U	0.0223	U	NA		0.02	U	0.022	U
Silvex (2,4,5-Tp)	3.8	500	0.0213	U	0.0201	UJ	0.0208	UJ	0.0212	U	NA		0.0239	U	0.0219	U	0.0283	U	NA		0.0231	U	0.0225	U	0.0223	U	NA		0.02	U	0.022	U
Polychlorinated Biphenyls (mg/kg)																																
PCB-1016 (Aroclor 1016)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1221 (Aroclor 1221)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1232 (Aroclor 1232)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1242 (Aroclor 1242)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1248 (Aroclor 1248)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1254 (Aroclor 1254)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1260 (Aroclor 1260)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1262 (Aroclor 1262)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
PCB-1268 (Aroclor 1268)	~	~	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
Total PCBs	0.1	1	0.0177	U	0.0169	U	0.0171	U	0.0177	U	NA		0.0195	U	0.0181	U	0.0236	U	NA		0.0195	U	0.019	U	0.0185	U	NA		0.0168	U	0.0181	U
Inorganics (mg/kg)																																
Aluminum	~	~	7,170		7,510		7,010		7,240		NA		10,700		9,110		3,870		15,200		8,440		10,800		7,420		NA		6,510		6,830	
Antimony	~	~	2.7	UJ	2.58	UJ	2.61	UJ	2.66	UJ	NA		3	U	2.76	U	3.57	U	3.86	U	2.93	U	2.86	U	2.79	U	NA		2.54	UJ	2.79	UJ
Arsenic	13	16	4.93		**13.2**		10.4		2.23		NA		9.98		**13.3**		5.94		6.34		**14.6**		4.16		2.15		NA		10.8	J	3.25	J
Barium	350	400	142	J	123	J	137	J	68.5	J	NA		231		188		133		54.2		139		99.4		33.7		NA		92	J	57.9	J
Beryllium	7.2	590	0.054	U	0.052	U	0.052	U	0.053	U	NA		0.06	UJ	0.055	U	0.071	U	0.077	U	0.059	U	0.057	U	0.056	U	NA		0.051	UJ	0.056	UJ
Cadmium	2.5	9.3	0.367		0.331		0.313	U	0.563		NA		0.604		0.332	U	0.778		0.463	U	0.388		0.343	U	0.335	U	NA		0.403	J	0.335	UJ
Calcium	~	~	49,200		103,000		106,000		40,800		NA		96,700	B	16,200	B	7,170	B	2,990		128,000		5,780		2,000		NA		11,500	J	2,880	J
Chromium, Hexavalent	1	400	0.54	U	0.538		0.522	U	0.533	U	NA		0.599	UJ	0.553	U	0.713	U	NA		**1.31**		0.571	U	0.558	U	NA		0.507	U	0.559	U
Chromium, Total	~	~	28.5		30.7		30.2		12.4		NA		33.5		15.1		8.67		25		23		15.9		14.5		NA		17.6	J	16.1	J
Chromium, Trivalent	30	1,500	28.5		**30.2**		**30.2**		12.4		NA		**33.5**		15.1		8.67		NA		21.7		15.9		14.5		NA		17.6		16.1	
Cobalt	~	~	4.11		4.05		3.47		4.89		NA		5.05		3.2		4.17		9.58		6.63		5.14		7.15		NA		6.25	J	6.69	J
Copper	50	270	38.9		19.3		18.6		**133**		NA		31.7		17.6		**558**		17.9		23.1		41.2		14.2		NA		43	J	13.5	J
Cyanide	27	27	0.54	U	0.517	U	0.522	U	0.533	U	NA		0.599	UJ	0.553		0.713	U	NA		0.0117	U	0.0114	U	0.0112	U	NA		0.507	U	0.559	U
Iron	~	~	12,100		12,400		9,580		19,100		NA		18,100		19,900		10,800		26,200		14,600		10,500		13,300		NA		18,800		14,400	
Lead	63	1,000	23.8		43.1		20.3		**106**		NA		43.3	J	**400**		**265**		30.4		**65.4**		**120**		13.3		NA		**279**	J	9.39	J
Magnesium	~	~	7,270		20,600		25,100		3,050		NA		12,400		3,690		1,640		5,460		5,900		1,870		3,060		NA		3,670		3,210	
Manganese	1,600	10,000	288	J	283	J	224	J	216	J	NA		381	B	94	B	101	B	268		250		95.1		127		NA		243	J	193	J
Mercury	0.18	2.8	0.0324	U	0.031	U	0.0313	U	**0.194**		NA		0.0401	J	**0.432**		**0.675**		0.0848		0.118		**0.296**		0.0335	U	NA		**1.31**		0.0335	U
Nickel	30	310	17.9		15.3		15.1		27.4		NA		20.8		9.49		12.4		25		20.5		13.4		15.9		NA		20.1	J	20.4	J
Potassium	~	~	576	J	964	J	765	J	1,240	J	NA		998	B	1,290	B	610	B	2,910	B	1,980	B	1,670	B	1,770	B	NA		1,450	J	1,930	J
Selenium	3.9	1,500	2.7	UJ	**5.17**	J	**9.73**	J	2.66	UJ	NA		3	U	2.76	U	3.57	U	3.86	U	2.93	U	2.86	U	2.79	U	NA		2.54	UJ	2.79	UJ
Silver	2	1,500	0.54	U	0.517	U	0.522	U	0.533	U	NA		0.599	UJ	0.553	U	0.713	U	0.772	U	0.586	U	0.571	U	0.558	U	NA		0.507	UJ	0.559	UJ
Sodium	~	~	674		240		212		220		NA		404		105		183		273		259		224		213		NA		347		207	
Thallium	~	~	2.7	UJ	2.58	UJ	2.61	UJ	2.66	UJ	NA		3	U	2.76	U	3.57	U	3.86	U	2.93	U	2.86	U	2.79	U	NA		2.54	UJ	2.79	UJ
Vanadium	~	~	28		30.1		31.2		14.8		NA		45.1		25.3		12.4		32.2		25.2		16.1		22.5		NA		19.4	J	25.8	J
Zinc	109	10,000	**150**		91.6		67.1		**152**		NA		**239**		**165**		**792**		63.6		86.2		101		36.6		NA		**139**	J	31.5	J
General Chemistry (%)																																
Solids, Percent	~	~	92.6		96.7		95.8		93.8		84.7		83.5		90.5		70.1		64.7		85.3		87.5		89.6		NA		98.6		89.5	

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB05	SB06	SB06	SB06	SB06	SB06	SB07	SB07	SB07	SB07	SB08	SB08	SB08	SB08	SB09	SB09
Sample ID			SB05_18-20	SB06_0-0.5	SB06_0.5-2	SB06_6-8	SODUP01_030421	SB06_22-24	SB07_0-2	SB07_6-8	SB07_13-15	SB08_0-0.5	SB08_0.5-2	SB08_8-10	SB08_18-20	SB09_6-8	SB09_8-10
Laboratory ID			21C0404-06	21C0267-05	21C0267-06	21C0267-07	21C0267-09	21C0267-08	21C0267-02	21C0267-03	21C0267-04	21C0404-05	21C0404-04	21C0404-03	21C0404-02	21C0110-05	21C0110-06
Sample Date			3/8/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/8/2021	3/8/2021	3/8/2021	3/8/2021	3/2/2021	3/2/2021
Sample Depth (feet bgs)			18-20	0-0.5	0.5-2	6-8	6-8	22-24	0-2	6-8	13-15	0-0.5	0.5-2	8-10	18-20	6-8	8-10
Volatile Organic Compounds (mg/kg)																	
1,1,1,2-Tetrachloroethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,1,1-Trichloroethane	0.68	500	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
1,1,2,2-Tetrachloroethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 UJ	0.0022 UJ	13 U	0.0024 UJ	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 UJ	0.22 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,1,2-Trichloroethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,1-Dichloroethane	0.27	240	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 UJ	0.22 U
1,1-Dichloroethene	0.33	500	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
1,2,3-Trichlorobenzene	~	~	0.0031 U	0.27 UJ	1.8 UJ	3 UJ	14 UJ	0.0032 U	0.0022 U	13 UJ	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,2,3-Trichloropropane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,2,4-Trichlorobenzene	~	~	0.0031 U	0.27 UJ	1.8 UJ	3 UJ	14 UJ	0.0032 U	0.0022 U	13 UJ	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,2,4-Trimethylbenzene	3.6	190	0.0031 U	0.27 U	2.2 JD	**360** D	**410** D	0.0032 U	0.0022 U	**430** D	0.0024 U	0.0022 U	0.0088	**260** J	0.013 U	0.0036 U	2.5 D
1,2-Dibromo-3-Chloropropane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,2-Dibromoethane (Ethylene Dibromide)	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,2-Dichlorobenzene	1.1	500	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
1,2-Dichloroethane	0.02	30	0.0031 U	*0.27* U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 UJ	*0.22* U
1,2-Dichloropropane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	0.0031 U	0.27 U	1.8 U	**130** D	**140** D	0.0032 U	0.0022 U	**160** D	0.0024 U	0.0022 U	0.0038 J	**90** J	0.013 U	0.0036 U	1.2 D
1,3-Dichlorobenzene	2.4	280	0.0031 U	0.27 UJ	1.8 U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
1,4-Dichlorobenzene	1.8	130	0.0031 U	0.27 UJ	1.8 U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
1,4-Dioxane (P-Dioxane)	0.1	130	0.062 UJ	*5.4* UJ	*35* UJ	*61* UJ	*290* UJ	0.064 U	0.044 U	*270* UJ	0.048 U	0.044 UJ	0.075 UJ	*220* UJ	*0.26* UJ	0.073 U	*4.4* UJ
2-Hexanone (MBK)	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Acetone	0.05	500	0.028	*0.54* U	*3.5* U	*6.1* U	*29* U	0.019	0.017	*27* U	0.023	0.017	**0.07**	*22* UJ	**0.14**	0.028	*0.44* U
Acrolein	~	~	0.0062 UJ	0.54 UJ	3.5 UJ	6.1 UJ	29 UJ	0.0064 UJ	0.0044 UJ	41 J	0.0048 UJ	0.0044 UJ	0.0075 UJ	22 UJ	0.026 UJ	0.0073 UJ	0.44 UJ
Acrylonitrile	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 UJ	0.22 U
Benzene	0.06	44	0.011	**2** D	**5.9** D	**44** D	**60** D	0.0032 U	0.0022 U	*13* U	**0.083**	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	*0.22* U
Bromochloromethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 UJ	0.22 U
Bromodichloromethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Bromoform	~	~	0.0031 U	0.27 U	1.8 UJ	3 UJ	14 UJ	0.0032 U	0.0022 U	13 UJ	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Bromomethane	~	~	0.0031 U	0.27 U	1.8 UJ	3 UJ	14 UJ	0.0032 U	0.0022 U	13 UJ	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 UJ
Carbon Disulfide	~	~	0.0051 J	0.27 U	1.8 U	3 U	14 U	0.0078	0.0025 J	13 U	0.0024 U	0.0022 U	0.034	11 UJ	0.013 U	0.0048 J	0.22 U
Carbon Tetrachloride	0.76	22	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
Chlorobenzene	1.1	500	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
Chloroethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 UJ
Chloroform	0.37	350	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
Chloromethane	~	~	0.0031 UJ	0.27 UJ	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 UJ	0.0038 UJ	11 UJ	0.013 UJ	0.0036 U	0.22 U
Cis-1,2-Dichloroethene	0.25	500	0.0031 U	*0.27* U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
Cis-1,3-Dichloropropene	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Cyclohexane	~	~	0.064	3.1 D	48 D	180 D	230 D	0.0032 U	0.0034 J	270 D	0.023	0.0022 U	0.018	160 J	0.045	0.0036 U	0.22 U
Dibromochloromethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Dibromomethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Dichlorodifluoromethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Ethylbenzene	1	390	0.0031 U	0.27 U	**4.5** D	**120** D	**140** D	0.0032 U	0.0022 U	**99** D	0.0024 U	0.0022 U	0.0038 U	**130** J	0.013 U	0.0036 U	0.22 U
Hexachlorobutadiene	~	~	0.0031 UJ	0.27 UJ	1.8 UJ	3 UJ	14 UJ	0.0032 U	0.0022 U	13 UJ	0.0024 U	0.0022 UJ	0.0038 UJ	11 UJ	0.013 UJ	0.0036 U	0.22 U
Isopropylbenzene (Cumene)	~	~	0.0031 U	0.27 U	1.8 U	25 D	29 D	0.0032 U	0.0022 U	33 D	0.0024 U	0.0022 U	0.0038 U	22 J	0.013 U	0.0036 U	0.22 U
M,P-Xylene	~	~	0.0062 U	0.56 JD	13 D	310 D	320 D	0.0064 U	0.0044 U	300 D	0.0048 U	0.0044 U	0.012 J	530 J	0.026 U	0.0073 U	0.44 U
Methyl Acetate	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 UJ	0.22 U
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.012 U	*1.1* U	*7* U	*12* U	*58* U	0.013 U	0.0088 U	*53* U	0.0095 U	0.0088 U	0.018 U	*11* U	0.056 U	0.016 U	*0.88* U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Methylcyclohexane	~	~	0.02	3.1 D	52 D	290 D	360 D	0.0032 U	0.006	480 D	0.0076	0.0022 U	0.022	610 J	0.013 U	0.0036 U	0.57 D
Methylene Chloride	0.05	500	0.013	*0.54* U	*3.5* U	*6.1* U	*29* U	0.0064 U	0.0044 U	*27* U	0.0048 U	0.0066 J	0.0092 J	*22* UJ	0.026 U	0.0073 UJ	*0.44* U
n-Butylbenzene	12	500	0.0031 U	0.27 U	1.8 U	**35** D	**38** D	0.0032 U	0.0022 U	**40** D	0.0024 U	0.0022 U	0.0038 U	**21** J	0.013 U	0.0036 U	0.22 U
n-Propylbenzene	3.9	500	0.0031 U	0.27 U	1.8 U	**53** D	**61** D	0.0032 U	0.0022 U	**65** D	0.0024 U	0.0022 U	0.0038 U	**41** J	0.013 U	0.0036 U	0.24 JD
o-Xylene (1,2-Dimethylbenzene)	~	~	0.0031 U	0.27 U	2.2 JD	10 D	14 U	0.0032 U	0.0022 U	62 D	0.0024 U	0.0022 U	0.0061 J	180 J	0.013 U	0.0036 U	0.22 U
p-Cymene (p-Isopropyltoluene)	~	~	0.0031 U	0.27 UJ	1.8 U	7.3 D	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Sec-Butylbenzene	11	500	0.0031 U	0.27 UJ	1.8 U	3 U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Styrene	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
T-Butylbenzene	5.9	500	0.0031 U	0.27 UJ	1.8 U	3 U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.36 JD
Tert-Butyl Alcohol	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.073	13 U	0.2 J	0.0022 U	0.0038 U	11 UJ	0.038	0.0036 U	0.22 UJ
Tert-Butyl Methyl Ether	0.93	500	0.0031 U	0.27 U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	0.22 U
Tetrachloroethene (PCE)	1.3	150	0.0031 UJ	0.27 UJ	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 UJ	0.0038 UJ	*11* UJ	0.013 UJ	0.0036 UJ	0.22 UJ
Toluene	0.7	500	0.0031 U	0.36 JD	**2.8** JD	**9.4** D	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	**32** J	0.013 U	0.0036 U	0.22 U
Total Xylenes	0.26	500	0.0093 U	*0.81* U	**16** D	**320** D	**320** D	0.0096 U	0.0066 U	**360** D	0.0071 U	0.0066 U	0.018 J	**720** J	0.039 U	0.011 U	*0.66* U
Trans-1,2-Dichloroethene	0.19	500	0.0031 U	*0.27* U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 U	0.0038 U	*11* UJ	0.013 U	0.0036 U	*0.22* U
Trans-1,3-Dichloropropene	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 U
Trichloroethene (TCE)	0.47	200	0.0031 UJ	0.27 U	*1.8* U	*3* U	*14* U	0.0032 UJ	0.0022 UJ	*13* U	0.0024 UJ	0.0022 UJ	0.0038 UJ	*11* UJ	0.013 UJ	0.0036 UJ	0.22 UJ
Trichlorofluoromethane	~	~	0.0031 U	0.27 U	1.8 U	3 U	14 U	0.0032 U	0.0022 U	13 U	0.0024 U	0.0022 U	0.0038 U	11 UJ	0.013 U	0.0036 U	0.22 UJ
Vinyl Chloride	0.02	13	0.0031 UJ	*0.27* U	*1.8* U	*3* U	*14* U	0.0032 U	0.0022 U	*13* U	0.0024 U	0.0022 UJ	0.0038 UJ	*11* UJ	0.013 UJ	0.0036 U	*0.22* U

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location			SB05	SB06		SB06		SB06		SB06		SB06		SB07		SB07		SB07		SB08		SB08		SB08		SB08		SB09		SB09	
Sample ID	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB05_18-20	SB06_0-0.5		SB06_0.5-2		SB06_6-8		SODUP01_030421		SB06_22-24		SB07_0-2		SB07_6-8		SB07_13-15		SB08_0-0.5		SB08_0.5-2		SB08_8-10		SB08_18-20		SB09_6-8		SB09_8-10	
Laboratory ID			21C0404-06	21C0267-05		21C0267-06		21C0267-07		21C0267-09		21C0267-08		21C0267-02		21C0267-03		21C0267-04		21C0404-05		21C0404-04		21C0404-03		21C0404-02		21C0110-05		21C0110-06	
Sample Date			3/8/2021	3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/2/2021		3/2/2021	
Sample Depth (feet bgs)			18-20	0-0.5		0.5-2		6-8		6-8		22-24		0-2		6-8		13-15		0-0.5		0.5-2		8-10		18-20		6-8		8-10	
Semivolatile Organic Compounds (mg/kg)																															
1,2,4,5-Tetrachlorobenzene	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	U	0.101	U
1,2-Diphenylhydrazine	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
1,4-Dioxane (P-Dioxane)	0.1	130	NA	0.0098	U	0.00962	U	0.0098	U	0.00952	U	NA		0.00926	U	0.0098	U	NA		0.00971	U	0.0099	U	0.0098	U	NA		0.0099	U	0.00962	U
2,3,4,6-Tetrachlorophenol	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	UJ	0.101	U
2,4,5-Trichlorophenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
2,4,6-Trichlorophenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
2,4-Dichlorophenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
2,4-Dimethylphenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
2,4-Dinitrophenol	~	~	NA	0.0904	UJ	0.0898	UJ	0.096	UJ	0.0949	UJ	0.121	UJ	0.0892	UJ	0.0967	UJ	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	UJ	0.101	UJ
2,4-Dinitrotoluene	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
2,6-Dinitrotoluene	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
2-Chloronaphthalene	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
2-Chlorophenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
2-Methylnaphthalene	~	~	NA	0.0453	U	0.111	D	14.4	D	15.1	D	0.0608	U	0.0549	JD	6.74	D	NA		0.0471	U	0.143	D	9.3	D	NA		0.0689	U	1.3	D
2-Methylphenol (o-Cresol)	0.33	500	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
2-Nitroaniline	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	U	0.101	U
2-Nitrophenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
3 & 4 Methylphenol (m&p Cresol)	0.33	500	NA	0.0453	U	0.0567	JD	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
3,3'-Dichlorobenzidine	~	~	NA	0.0453	UJ	0.045	UJ	0.0481	UJ	0.0476	UJ	0.0608	U	0.0447	UJ	0.0484	UJ	NA		0.0471	UJ	0.0439	UJ	0.0467	UJ	NA		0.0689	U	0.0505	U
3-Nitroaniline	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	U	0.101	U
4,6-Dinitro-2-Methylphenol	~	~	NA	0.0904	UJ	0.0898	UJ	0.096	UJ	0.0949	UJ	0.121	U	0.0892	UJ	0.0967	UJ	NA		0.0939	UJ	0.0876	UJ	0.0932	UJ	NA		0.137	UJ	0.101	UJ
4-Bromophenyl Phenyl Ether	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
4-Chloro-3-Methylphenol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
4-Chloroaniline	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
4-Chlorophenyl Phenyl Ether	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
4-Nitroaniline	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	U	0.101	U
4-Nitrophenol	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	UJ	0.101	U
Acenaphthene	20	500	NA	0.0453	U	0.692	D	0.324	D	0.385	D	0.0608	U	0.0447	U	0.332	D	NA		0.0471	U	0.135	D	0.177	D	NA		0.0689	U	0.2	D
Acenaphthylene	100	500	NA	0.0453	U	0.071	JD	0.0882	JD	0.0956	D	0.0608	U	0.0471	JD	0.219	D	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Acetophenone	~	~	NA	0.0453	UJ	0.045	UJ	0.0481	UJ	0.0476	UJ	0.0608	U	0.0447	UJ	0.0484	UJ	NA		0.0471	UJ	0.0439	UJ	0.0467	UJ	NA		0.0689	UJ	0.0505	UJ
Aniline (Phenylamine, Aminobenzene)	~	~	NA	0.181	U	0.18	U	0.192	U	0.19	U	0.243	U	0.179	U	0.194	U	NA		0.188	U	0.175	U	0.187	U	NA		0.275	UJ	0.202	UJ
Anthracene	100	500	NA	0.0453	U	2.86	D	0.211	D	0.218	D	0.0608	U	0.18	D	0.277	D	NA		0.0471	U	0.229	D	0.0976	D	NA		0.0689	U	0.0539	JD
Atrazine	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Benzaldehyde	~	~	NA	0.0453	UJ	0.045	UJ	0.0481	UJ	0.0476	UJ	0.275	D	0.0447	UJ	0.0484	UJ	NA		0.0471	UJ	0.0439	UJ	0.0467	UJ	NA		0.0689	UJ	0.0505	UJ
Benzidine	~	~	NA	0.181	UJ	0.18	UJ	0.192	UJ	0.19	UJ	0.243	UJ	0.179	UJ	0.194	UJ	NA		0.188	UJ	0.175	UJ	0.187	UJ	NA		0.275	UJ	0.202	UJ
Benzo(a)anthracene	1	5.6	NA	0.162	D	**10.8**	D	0.253	D	0.253	D	0.0608	U	0.483	D	0.815	D	NA		0.0526	JD	0.405	D	0.0961	D	NA		0.0689	U	0.0505	U
Benzo(a)pyrene	1	1	NA	0.145	D	**9.28**	D	0.163	D	0.167	D	0.0608	U	0.492	D	0.943	D	NA		0.0608	JD	0.348	D	0.067	JD	NA		0.0689	U	0.0505	U
Benzo(b)fluoranthene	1	5.6	NA	0.137	D	**8.66**	D	0.15	D	0.155	D	0.0608	U	0.374	D	0.726	D	NA		0.0541	JD	0.284	D	0.0596	JD	NA		0.0689	U	0.0505	U
Benzo(g,h,i)Perylene	100	500	NA	0.128	D	5.18	D	0.0859	JD	0.105	D	0.0608	U	0.393	D	0.73	D	NA		0.0526	JD	0.234	D	0.0467	U	NA		0.0689	U	0.0505	U
Benzo(k)fluoranthene	0.8	56	NA	0.122	D	**8.42**	D	0.144	D	0.14	D	0.0608	U	0.392	D	0.784	D	NA		0.0471	U	0.285	D	0.0551	JD	NA		0.0689	U	0.0505	U
Benzoic Acid	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0746	JD	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Benzyl Alcohol	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Benzyl Butyl Phthalate	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Biphenyl (Diphenyl)	~	~	NA	0.0453	U	0.045	U	0.378	D	0.388	D	0.0608	U	0.0447	U	0.191	D	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.187	D
Bis(2-chloroethoxy) methane	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Bis(2-chloroisopropyl) ether	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Bis(2-ethylhexyl) phthalate	~	~	NA	0.0453	U	0.0545	JD	0.0481	U	0.0476	U	0.0608	U	0.0749	JD	0.0484	U	NA		0.0781	JD	0.0553	JD	0.0467	U	NA		0.137	U	0.0505	U
Caprolactam	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	U	0.101	U
Carbazole	~	~	NA	0.0453	U	1.2	D	0.0481	U	0.0476	U	0.0608	U	0.0856	JD	0.078	JD	NA		0.0471	U	0.0658	JD	0.0467	U	NA		0.0689	U	0.0505	U
Chrysene	1	56	NA	0.181	D	**10.5**	D	0.308	D	0.317	D	0.0608	U	0.464	D	0.846	D	NA		0.0616	JD	0.387	D	0.11	D	NA		0.0689	U	0.29	D
Dibenz(a,h)anthracene	0.33	0.56	NA	0.0453	U	**2**	D	0.0481	U	0.0476	U	0.0608	U	0.117	D	0.223	D	NA		0.0471	U	0.077	JD	0.0467	U	NA		0.0689	U	0.0505	U
Dibenzofuran	7	350	NA	0.0453	U	0.337	D	0.193	D	0.215	D	0.0608	U	0.0492	JD	0.144	D	NA		0.0471	U	0.0833	JD	0.0467	U	NA		0.0689	U	0.0885	JD
Dibutyl phthalate	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Diethyl phthalate	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Dimethyl phthalate	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Dioctyl phthalate	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Diphenylamine	~	~	NA	0.0904	U	0.0898	U	0.096	U	0.0949	U	0.121	U	0.0892	U	0.0967	U	NA		0.0939	U	0.0876	U	0.0932	U	NA		0.137	U	0.101	U
Fluoranthene	100	500	NA	0.26	D	22.9	D	0.72	D	0.694	D	0.0608	U	0.911	D	1.33	D	NA		0.101	D	0.975	D	0.273	D	NA		0.0879	JD	0.0505	U
Fluorene	30	500	NA	0.0453	U	0.781	D	0.397	D	0.409	D	0.0608	U	0.0756	JD	0.275	D	NA		0.0471	U	0.133	D	0.238	D	NA		0.0689	U	0.256	D
Hexachlorobenzene	0.33	6	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Hexachlorobutadiene	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Hexachlorocyclopentadiene	~	~	NA	0.0453	UJ	0.045	UJ	0.0481	UJ	0.0476	UJ	0.0608	UJ	0.0447	UJ	0.0484	UJ	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Hexachloroethane	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	NA	0.0925	D	**4.69**	D	0.079	JD	0.0736	JD	0.0608	U	0.324	D	**0.604**	D	NA		0.0471	U	0.195	D	0.0467	U	NA		0.0689	U	0.0505	U
Isophorone	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Naphthalene	12	500	NA	0.0453	U	0.0538	JD	**15.9**	D	**17.3**	D	0.0608	U	0.0749	JD	7.19	D	NA		0.0471	U	0.139	D	11.5	D	NA		0.0689	U	0.245	D
Nitrobenzene	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
n-Nitrosodimethylamine	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
n-Nitrosodi-N-Propylamine	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	UJ	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
n-Nitrosodiphenylamine	~	~	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	U	0.0505	U
Pentachlorophenol	0.8	6.7	NA	0.0453	UJ	0.045	UJ	0.0481	UJ	0.0476	UJ	0.0608	U	0.0447	UJ	0.0484	UJ	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
Phenanthrene	100	500	NA	0.142	D	9.65	D	1.13	D	1.17	D	0.0608	U	0.625	D	1.02	D	NA		0.0503	JD	0.888	D	0.548	D	NA		0.172	D	0.4	D
Phenol	0.33	500	NA	0.0453	U	0.045	U	0.0481	U	0.0476	U	0.0608	U	0.0447	U	0.0484	U	NA		0.0471	U	0.0439	U	0.0467	U	NA		0.0689	UJ	0.0505	U
Pyrene	100	500	NA	0.286	D	18.7	D	0.745	D	0.691	D	0.0608	UJ	0.866	D	1.3	D	NA		0.0886	JD	0.826	D	0.253	D	NA		0.105	JD	0.0505	U
Pyridine	~	~	NA	0.181	U	0.18	U	0.192	U	0.19	U	0.243	U	0.179	U	0.194	U	NA		0.188	U	0.175	U	0.187	U	NA		0.275	U	0.202	U

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB05	SB06	SB06	SB06	SB06	SB06	SB07	SB07	SB07	SB08	SB08	SB08	SB08	SB09	SB09
Sample ID			SB05_18-20	SB06_0-0.5	SB06_0.5-2	SB06_6-8	SODUP01_030421	SB06_22-24	SB07_0-2	SB07_6-8	SB07_13-15	SB08_0-0.5	SB08_0.5-2	SB08_8-10	SB08_18-20	SB09_6-8	SB09_8-10
Laboratory ID			21C0404-06	21C0267-05	21C0267-06	21C0267-07	21C0267-09	21C0267-08	21C0267-02	21C0267-03	21C0267-04	21C0404-05	21C0404-04	21C0404-03	21C0404-02	21C0110-05	21C0110-06
Sample Date			3/8/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/8/2021	3/8/2021	3/8/2021	3/8/2021	3/2/2021	3/2/2021
Sample Depth (feet bgs)			18-20	0-0.5	0.5-2	6-8	6-8	22-24	0-2	6-8	13-15	0-0.5	0.5-2	8-10	18-20	6-8	8-10
Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons	~	~	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (mg/kg)																	
4,4'-DDD	0.0033	92	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 UJ	0.00199 UJ
4,4'-DDE	0.0033	62	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
4,4'-DDT	0.0033	47	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Aldrin	0.005	0.68	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	3.4	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Alpha Chlordane	0.094	24	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Alpha Endosulfan	2.4	200	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Beta Endosulfan	2.4	200	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Chlordane (alpha and gamma)	~	~	NA	0.0355 U	0.0349 U	0.038 U	0.0368 U	NA	0.0346 U	0.0377 U	NA	0.037 U	0.0345 U	0.0369 U	NA	0.0544 U	0.0398 U
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	500	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Dieldrin	0.005	1.4	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Endosulfan Sulfate	2.4	200	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Endrin	0.014	89	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Endrin Aldehyde	~	~	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Endrin Ketone	~	~	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Gamma Bhc (Lindane)	0.1	9.2	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Gamma-Chlordane	~	~	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Heptachlor	0.042	15	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Heptachlor Epoxide	~	~	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Methoxychlor	~	~	NA	0.00178 U	0.00175 U	0.0019 U	0.00184 U	NA	0.00173 U	0.00189 U	NA	0.00185 U	0.00173 U	0.00184 U	NA	0.00272 U	0.00199 U
Toxaphene	~	~	NA	0.178 U	0.175 U	0.19 U	0.184 U	NA	0.173 U	0.189 U	NA	0.185 U	0.173 U	0.184 U	NA	0.272 U	0.199 U
Herbicides (mg/kg)																	
2,4,5-T (Trichlorophenoxyacetic Acid)	~	~	NA	0.0212 U	0.0215 U	0.0227 U	0.0224 U	NA	0.0215 U	0.023 U	NA	0.0226 U	0.021 UJ	0.0225 U	NA	0.033 U	0.024 U
2,4-D (Dichlorophenoxyacetic Acid)	~	~	NA	0.0212 U	0.0215 U	0.0227 U	0.0224 U	NA	0.0215 U	0.023 U	NA	0.0226 U	0.021 UJ	0.0225 U	NA	0.033 U	0.024 U
Silvex (2,4,5-Tp)	3.8	500	NA	0.0212 U	0.0215 U	0.0227 U	0.0224 U	NA	0.0215 U	0.023 U	NA	0.0226 U	0.021 UJ	0.0225 U	NA	0.033 U	0.024 U
Polychlorinated Biphenyls (mg/kg)																	
PCB-1016 (Aroclor 1016)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1221 (Aroclor 1221)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1232 (Aroclor 1232)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1242 (Aroclor 1242)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1248 (Aroclor 1248)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1254 (Aroclor 1254)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1260 (Aroclor 1260)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1262 (Aroclor 1262)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
PCB-1268 (Aroclor 1268)	~	~	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
Total PCBs	0.1	1	NA	0.0179 U	0.0176 U	0.0192 U	0.0186 U	NA	0.0175 U	0.0191 U	NA	0.0187 U	0.0174 U	0.0186 U	NA	0.0275 U	0.0201 U
Inorganics (mg/kg)																	
Aluminum	~	~	NA	5,950	6,070	6,420	5,990	NA	6,520	5,340	11,300	9,140	7,260	7,500	NA	13,900	6,730
Antimony	~	~	NA	2.73 U	2.71 U	2.9 U	2.86 U	NA	2.69 U	2.92 U	3.04 U	2.84 UJ	2.65 UJ	2.82 UJ	NA	4.13 U	3.03 U
Arsenic	13	16	NA	6.78	7.87	5.44	5.81	NA	6.45	4.74	3.44	12.7	**13.2**	2.95	NA	8.38	1.82 U
Barium	350	400	NA	53.6	76.2	157	159	NA	79.2	74.5	107	195 J	61.6 J	59 J	NA	**377**	144
Beryllium	7.2	590	NA	0.055 U	0.054 U	0.058 U	0.057 U	NA	0.054 U	0.058 U	0.061 U	0.057 U	0.053 U	0.056 U	NA	0.083 U	0.061 U
Cadmium	2.5	9.3	NA	0.327 U	0.325 U	0.348 U	0.344 U	NA	0.339	0.597	0.409	0.682	0.44	0.339 U	NA	0.648	0.363 U
Calcium	~	~	NA	82,200	63,600	7,360	12,200	NA	60,600	6,670	13,700	98,500 J	64,800	11,700	NA	71,100	8,540
Chromium, Hexavalent	1	400	NA	0.611	0.542 U	0.579 U	0.573 U	NA	0.538 U	0.583 U	NA	0.728 J	0.53 UJ	0.564 U	NA	0.827 U	0.605 U
Chromium, Total	~	~	NA	28.9	28.5	14.2	10.4	NA	26.6	12.8	23	43.6 J	49.8	18.7	NA	25.5	27.7
Chromium, Trivalent	30	1,500	NA	28.3	28.5	14.2	10.4	NA	26.6	12.8	NA	**42.9**	**49.8**	18.7	NA	25.5	27.7
Cobalt	~	~	NA	4.98	4.74	5.75	5.42	NA	4.76	5.74	9.56	6.48	5.87	7.21	NA	8.45	7.22
Copper	50	270	NA	18	**137**	**53.4**	**56.4**	NA	33.1	26.4	17.2	33.7	**55.3**	13.5	NA	37	15.6
Cyanide	27	27	NA	0.546 U	0.542 U	0.579 U	0.573 U	NA	0.538 U	0.583 U	NA	0.569 UJ	1.2	0.564 U	NA	0.0165 U	0.0121 U
Iron	~	~	NA	9,810	8,810	12,500	12,300	NA	12,900	10,500	20,400	19,900 J	12,100	14,200	NA	20,700	13,200
Lead	63	1,000	NA	12.5	38.8	**99.4**	**108**	NA	34	**1,750**	10.2	21.9 J	47.2 J	8.89 J	NA	27.2	21.5
Magnesium	~	~	NA	20,900	6,000	2,230	2,150	NA	8,400	1,980	7,230	10,100 J	9,670	7,730	NA	9,700	2,490
Manganese	1,600	10,000	NA	161	155	143	164	NA	230	116	424	260 J	171 J	190 J	NA	569	156
Mercury	0.18	2.8	NA	0.0327 U	0.0705	**0.382**	**0.444**	NA	0.0884	**0.62**	0.0365 U	0.0365	**0.265**	0.0339 U	NA	0.0496 U	0.131
Nickel	30	310	NA	13.9	19.7	16.5	16	NA	13.8	17.6	24.3	22.2 J	19.2	22.6	NA	16.5	17.8
Potassium	~	~	NA	970 B	1,220 B	1,670 B	1,330 B	NA	1,020 B	1,080 B	3,450 B	1,250 J	1,400 J	1,760 J	NA	870 B	1,460 B
Selenium	3.9	1,500	NA	**7.19**	2.71 U	2.9 U	2.86 U	NA	2.69 U	2.92 U	3.04 U	2.84 UJ	2.65 UJ	2.82 UJ	NA	*4.13* U	3.03 U
Silver	2	1,500	NA	0.546 U	0.542 U	0.579 U	0.573 U	NA	0.538 U	0.583 U	0.608 U	0.569 UJ	0.53 U	0.564 U	NA	0.827 U	0.605 U
Sodium	~	~	NA	269	287	151	136	NA	290	161	396	240	295	170	NA	443	130
Thallium	~	~	NA	2.73 U	2.71 U	2.9 U	2.86 U	NA	2.69 U	2.92 U	3.04 U	2.84 UJ	2.65 UJ	2.82 UJ	NA	4.13 U	3.03 U
Vanadium	~	~	NA	24.9	17.9	17.8	17	NA	22.8	15.6	30.3	23.4 J	19.7 J	23 J	NA	34.2	21.2
Zinc	109	10,000	NA	36.4	**209**	99.4	109	NA	78.3	**518**	46.2	**205** J	101	33.8	NA	**127**	40.2
General Chemistry (%)																	
Solids, Percent	~	~	86.4	91.6	92.3	86.3	87.3	68.3	92.9	85.7	82.2	87.9	94.3	88.6	31.8	60.5	82.6

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB12	SB12	SB12	SB12
Sample ID			SB09_18-20	SB10_0-2	SB10_13-15	SB10_22-24	SB10_58-60	SB11_0-2	SB11_8-10	SB11_17-19	SB12_0-0.5	SB12_0.5-2	SB12_8-10	SB12_18-20
Laboratory ID			21C0110-07	21C0454-04	21C0454-05	21C0454-06	21C0454-03	21C0344-06	21C0344-07	21C0344-08	21C0167-01	21C0167-02	21C0167-03	21C0167-04
Sample Date			3/2/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/5/2021	3/5/2021	3/5/2021	3/3/2021	3/3/2021	3/3/2021	3/3/2021
Sample Depth (feet bgs)			18-20	0-2	13-15	22-24	58-60	0-2	8-10	17-19	0-0.5	0.5-2	8-10	18-20
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,1,1-Trichloroethane	0.68	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,1,2,2-Tetrachloroethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 UJ	0.0049 U	0.0027 UJ	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,1,2-Trichloroethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,1-Dichloroethane	0.27	240	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 UJ	0.0026 UJ	*0.35* UJ	0.0034 UJ
1,1-Dichloroethene	0.33	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	*0.35* U	0.0034 U
1,2,3-Trichlorobenzene	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,2,3-Trichloropropane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,2,4-Trichlorobenzene	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,2,4-Trimethylbenzene	3.6	190	0.0026 J	0.0036 U	0.34 JD	0.0026 J	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	3.5 D	0.0034 U
1,2-Dibromo-3-Chloropropane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,2-Dibromoethane (Ethylene Dibromide)	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,2-Dichlorobenzene	1.1	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,2-Dichloroethane	0.02	30	0.0025 U	0.0036 U	*0.23* U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 UJ	0.0026 UJ	*0.35* UJ	0.0034 UJ
1,2-Dichloropropane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	0.0025 U	0.0036 U	0.23 U	0.0072	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	2.5 D	0.0034 U
1,3-Dichlorobenzene	2.4	280	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,4-Dichlorobenzene	1.8	130	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
1,4-Dioxane (P-Dioxane)	0.1	130	0.051 U	0.072 UJ	*4.7* U	0.047 UJ	NA	0.05 U	0.097 UJ	0.054 U	0.043 UJ	0.053 UJ	*6.9* UJ	0.068 UJ
2-Hexanone (MBK)	~	~	0.0025 U	0.0036 UJ	0.23 U	0.0024 UJ	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Acetone	0.05	500	0.0051 U	0.013 J	*0.47* UJ	0.013 J	NA	0.0051 J	**0.12**	0.043	0.0052 J	0.0081 J	*0.69* U	0.024
Acrolein	~	~	0.0051 UJ	0.0072 U	0.47 UJ	0.0047 U	NA	0.005 UJ	0.0097 UJ	0.0054 UJ	0.0043 UJ	0.0053 UJ	0.69 UJ	0.0068 UJ
Acrylonitrile	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Benzene	0.06	44	0.049	0.0036 U	*0.23* U	0.0043 J	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	*0.35* U	0.0034 U
Bromochloromethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
Bromodichloromethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Bromoform	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Bromomethane	~	~	0.0025 U	0.0036 J	0.26 J	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Carbon Disulfide	~	~	0.0025 U	0.0036 U	0.23 U	0.0088	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0064 J
Carbon Tetrachloride	0.76	22	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Chlorobenzene	1.1	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Chloroethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Chloroform	0.37	350	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Chloromethane	~	~	0.0025 U	0.0054 J	0.23 UJ	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Cis-1,2-Dichloroethene	0.25	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	*0.35* U	0.0034 U
Cis-1,3-Dichloropropene	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Cyclohexane	~	~	0.0036 J	0.0036 UJ	0.23 U	0.013 J	NA	0.0025 U	0.03	0.0027 U	0.0021 U	0.0026 U	0.98 D	0.0034 U
Dibromochloromethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Dibromomethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Dichlorodifluoromethane	~	~	0.0025 U	0.0036 U	0.23 UJ	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Ethylbenzene	1	390	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Hexachlorobutadiene	~	~	0.0025 U	0.0036 U	0.23 UJ	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Isopropylbenzene (Cumene)	~	~	0.0025 U	0.0036 U	0.5 D	0.0045 J	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
M,P-Xylene	~	~	0.0051 U	0.0072 U	0.47 U	0.0047 U	NA	0.005 U	0.0097 U	0.0054 U	0.0043 U	0.0053 U	1 JD	0.0068 U
Methyl Acetate	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.0051 U	0.014 U	*0.94* U	0.0095 U	NA	0.01 U	0.046 U	0.019 U	0.0085 U	0.011 U	*1.4* U	0.014 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Methylcyclohexane	~	~	0.0025 U	0.0036 U	0.23 U	0.013	NA	0.0025 U	0.018	0.0027 U	0.0021 U	0.0026 U	1.1 D	0.0034 U
Methylene Chloride	0.05	500	0.0051 U	0.011 J	*0.47* U	0.017	NA	0.01 U	0.0097 U	0.011 U	0.0043 UJ	0.0053 UJ	*0.69* UJ	0.0068 UJ
n-Butylbenzene	12	500	0.0025 U	0.0036 U	0.29 JD	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
n-Propylbenzene	3.9	500	0.0025 U	0.0036 U	0.26 JD	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
o-Xylene (1,2-Dimethylbenzene)	~	~	0.0025 U	0.0036 U	0.23 U	0.0028 J	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.64 JD	0.0034 U
p-Cymene (p-Isopropyltoluene)	~	~	0.0025 U	0.0036 U	0.34 JD	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Sec-Butylbenzene	11	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Styrene	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
T-Butylbenzene	5.9	500	0.0025 U	0.0036 U	0.23 UJ	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Tert-Butyl Alcohol	~	~	0.0025 U	0.0036 UJ	0.23 UJ	0.0024 UJ	NA	0.0025 U	0.0049 U	0.0073	0.0021 U	0.0026 U	0.35 U	0.0034 U
Tert-Butyl Methyl Ether	0.93	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
Tetrachloroethene (PCE)	1.3	150	0.0025 U	0.0036 U	0.23 UJ	0.0024 U	NA	0.0025 U	0.0049 UJ	0.0027 U	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
Toluene	0.7	500	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.48 JD	0.0034 U
Total Xylenes	0.26	500	0.0076 U	0.011 U	*0.7* U	0.0071 U	NA	0.0075 U	0.015 U	0.0081 U	0.0064 U	0.0079 U	**1.7** JD	0.01 U
Trans-1,2-Dichloroethene	0.19	500	0.0025 U	0.0036 U	*0.23* U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	*0.35* U	0.0034 U
Trans-1,3-Dichloropropene	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Trichloroethene (TCE)	0.47	200	0.0025 UJ	0.0036 U	0.23 UJ	0.0024 U	NA	0.0025 UJ	0.0049 UJ	0.0027 UJ	0.0021 UJ	0.0026 UJ	0.35 UJ	0.0034 UJ
Trichlorofluoromethane	~	~	0.0025 U	0.0036 U	0.23 U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	0.35 U	0.0034 U
Vinyl Chloride	0.02	13	0.0025 U	0.0036 U	*0.23* U	0.0024 U	NA	0.0025 U	0.0049 U	0.0027 U	0.0021 U	0.0026 U	*0.35* U	0.0034 U

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB12	SB12	SB12	SB12
Sample ID			SB09_18-20	SB10_0-2	SB10_13-15	SB10_22-24	SB10_58-60	SB11_0-2	SB11_8-10	SB11_17-19	SB12_0-0.5	SB12_0.5-2	SB12_8-10	SB12_18-20
Laboratory ID			21C0110-07	21C0454-04	21C0454-05	21C0454-06	21C0454-03	21C0344-06	21C0344-07	21C0344-08	21C0167-01	21C0167-02	21C0167-03	21C0167-04
Sample Date			3/2/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/5/2021	3/5/2021	3/5/2021	3/3/2021	3/3/2021	3/3/2021	3/3/2021
Sample Depth (feet bgs)			18-20	0-2	13-15	22-24	58-60	0-2	8-10	17-19	0-0.5	0.5-2	8-10	18-20
Semivolatile Organic Compounds (mg/kg)														
1,2,4,5-Tetrachlorobenzene	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
1,2-Diphenylhydrazine	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
1,4-Dioxane (P-Dioxane)	0.1	130	NA	0.00971 U	0.0099 U	0.0098 U	NA	0.00971 U	0.0099 U	NA	0.0098 U	0.0099 U	0.00971 U	NA
2,3,4,6-Tetrachlorophenol	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
2,4,5-Trichlorophenol	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2,4,6-Trichlorophenol	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2,4-Dichlorophenol	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2,4-Dimethylphenol	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2,4-Dinitrophenol	~	~	NA	0.0895 UJ	0.0934 UJ	0.101 UJ	NA	0.0869 UJ	0.129 UJ	NA	0.0888 UJ	0.0901 UJ	0.109 UJ	NA
2,4-Dinitrotoluene	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 UJ	0.0645 UJ	NA	0.0445 U	0.0452 U	0.0548 U	NA
2,6-Dinitrotoluene	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2-Chloronaphthalene	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2-Chlorophenol	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2-Methylnaphthalene	~	~	NA	0.0987 D	0.435 D	0.0756 JD	NA	0.102 D	0.069 JD	NA	0.0445 U	0.0452 U	1.03 D	NA
2-Methylphenol (o-Cresol)	0.33	500	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
2-Nitroaniline	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
2-Nitrophenol	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
3 & 4 Methylphenol (m&p Cresol)	0.33	500	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0772 JD	NA	0.0445 U	0.0452 U	0.254 D	NA
3,3'-Dichlorobenzidine	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
3-Nitroaniline	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
4,6-Dinitro-2-Methylphenol	~	~	NA	0.0895 UJ	0.0934 UJ	0.101 UJ	NA	0.0869 UJ	0.129 UJ	NA	0.0888 UJ	0.0901 UJ	0.109 UJ	NA
4-Bromophenyl Phenyl Ether	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
4-Chloro-3-Methylphenol	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
4-Chloroaniline	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
4-Chlorophenyl Phenyl Ether	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
4-Nitroaniline	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
4-Nitrophenol	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
Acenaphthene	20	500	NA	0.341 D	14.8 D	0.218 D	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.154 D	NA
Acenaphthylene	100	500	NA	0.154 D	2.56 D	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.077 JD	NA
Acetophenone	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 UJ	0.0645 UJ	NA	0.0445 UJ	0.0452 UJ	0.0548 UJ	NA
Aniline (Phenylamine, Aminobenzene)	~	~	NA	0.179 UJ	0.187 UJ	0.201 UJ	NA	0.174 U	0.258 U	NA	0.178 UJ	0.18 UJ	0.219 UJ	NA
Anthracene	100	500	NA	0.38 D	13.2 D	0.0587 JD	NA	0.075 JD	0.0645 U	NA	0.0445 U	0.0454 JD	0.15 D	NA
Atrazine	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Benzaldehyde	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 UJ	0.0645 UJ	NA	0.0445 UJ	0.0452 UJ	0.0548 UJ	NA
Benzidine	~	~	NA	0.179 UJ	0.187 UJ	0.201 UJ	NA	0.174 UJ	0.258 UJ	NA	0.178 UJ	0.18 UJ	0.219 UJ	NA
Benzo(a)anthracene	1	5.6	NA	0.702 D	**9.61** D	0.0504 U	NA	0.265 D	0.0645 U	NA	0.111 D	0.151 D	0.172 D	NA
Benzo(a)pyrene	1	1	NA	0.571 D	**6.78** D	0.0504 U	NA	0.202 D	0.0645 U	NA	0.0944 D	0.128 D	0.151 D	NA
Benzo(b)fluoranthene	1	5.6	NA	0.371 D	**2.79** D	0.0504 U	NA	0.174 D	0.0645 U	NA	0.0774 JD	0.108 D	0.142 D	NA
Benzo(g,h,i)Perylene	100	500	NA	0.366 D	2.7 D	0.0504 U	NA	0.144 D	0.0645 U	NA	0.0859 JD	0.101 D	0.138 D	NA
Benzo(k)fluoranthene	0.8	56	NA	0.432 D	**4.36** D	0.0504 U	NA	0.185 D	0.0645 U	NA	0.0767 JD	0.101 D	0.122 D	NA
Benzoic Acid	~	~	NA	0.0448 UJ	0.0468 UJ	0.0504 UJ	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Benzyl Alcohol	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Benzyl Butyl Phthalate	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Biphenyl (Diphenyl)	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.155 D	NA
Bis(2-chloroethoxy) methane	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Bis(2-chloroisopropyl) ether	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Bis(2-ethylhexyl) phthalate	~	~	NA	0.0594 JD	0.0468 U	0.0504 U	NA	0.0869 U	0.0645 U	NA	0.0894 U	0.0944 U	0.0548 U	NA
Caprolactam	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
Carbazole	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.175 D	NA
Chrysene	1	56	NA	0.727 D	**9.1** D	0.0504 U	NA	0.262 D	0.07 JD	NA	0.136 D	0.166 D	0.289 D	NA
Dibenz(a,h)anthracene	0.33	0.56	NA	0.0994 D	**0.83** D	0.0504 U	NA	0.0514 JD	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Dibenzofuran	7	350	NA	0.0448 U	1.22 D	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.17 D	NA
Dibutyl phthalate	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Diethyl phthalate	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Dimethyl phthalate	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Dioctyl phthalate	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Diphenylamine	~	~	NA	0.0895 U	0.0934 U	0.101 U	NA	0.0869 U	0.129 U	NA	0.0888 U	0.0901 U	0.109 U	NA
Fluoranthene	100	500	NA	1.28 D	15 D	0.0732 JD	NA	0.494 D	0.153 D	NA	0.173 D	0.281 D	0.482 D	NA
Fluorene	30	500	NA	0.0558 JD	2.41 D	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.182 D	NA
Hexachlorobenzene	0.33	6	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Hexachlorobutadiene	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Hexachlorocyclopentadiene	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Hexachloroethane	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Indeno(1,2,3-cd)pyrene	0.5	5.6	NA	0.273 D	**2.19** D	0.0504 U	NA	0.117 D	0.0645 U	NA	0.0625 JD	0.0735 JD	0.117 D	NA
Isophorone	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Naphthalene	12	500	NA	0.0808 JD	0.809 D	0.4 D	NA	0.0542 JD	0.154 D	NA	0.0445 U	0.0452 U	0.906 D	NA
Nitrobenzene	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
n-Nitrosodimethylamine	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
n-Nitrosodi-N-Propylamine	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
n-Nitrosodiphenylamine	~	~	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Pentachlorophenol	0.8	6.7	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Phenanthrene	100	500	NA	0.459 D	27.1 D	0.247 D	NA	0.249 D	0.182 D	NA	0.0788 JD	0.173 D	0.737 D	NA
Phenol	0.33	500	NA	0.0448 U	0.0468 U	0.0504 U	NA	0.0436 U	0.0645 U	NA	0.0445 U	0.0452 U	0.0548 U	NA
Pyrene	100	500	NA	1.64 D	19.8 D	0.0941 JD	NA	0.47 D	0.106 JD	NA	0.236 D	0.294 D	0.475 D	NA
Pyridine	~	~	NA	0.179 U	0.187 U	0.201 U	NA	0.174 U	0.258 U	NA	0.178 U	0.18 U	0.219 U	NA

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB12	SB12	SB12	SB12
Sample ID			SB09_18-20	SB10_0-2	SB10_13-15	SB10_22-24	SB10_58-60	SB11_0-2	SB11_8-10	SB11_17-19	SB12_0-0.5	SB12_0.5-2	SB12_8-10	SB12_18-20
Laboratory ID			21C0110-07	21C0454-04	21C0454-05	21C0454-06	21C0454-03	21C0344-06	21C0344-07	21C0344-08	21C0167-01	21C0167-02	21C0167-03	21C0167-04
Sample Date			3/2/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/5/2021	3/5/2021	3/5/2021	3/3/2021	3/3/2021	3/3/2021	3/3/2021
Sample Depth (feet bgs)			18-20	0-2	13-15	22-24	58-60	0-2	8-10	17-19	0-0.5	0.5-2	8-10	18-20
Petroleum Hydrocarbons (mg/kg)														
Total Petroleum Hydrocarbons	~	~	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Pesticides (mg/kg)														
4,4'-DDD	0.0033	92	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
4,4'-DDE	0.0033	62	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
4,4'-DDT	0.0033	47	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Aldrin	0.005	0.68	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	3.4	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Alpha Chlordane	0.094	24	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Alpha Endosulfan	2.4	200	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Beta Endosulfan	2.4	200	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Chlordane (alpha and gamma)	~	~	NA	0.0346 U	0.0377 U	0.0399 U	NA	0.0341 U	0.0508 U	NA	0.0349 U	0.0365 U	0.043 U	NA
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	500	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Dieldrin	0.005	1.4	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Endosulfan Sulfate	2.4	200	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Endrin	0.014	89	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Endrin Aldehyde	~	~	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Endrin Ketone	~	~	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Gamma Bhc (Lindane)	0.1	9.2	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Gamma-Chlordane	~	~	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Heptachlor	0.042	15	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Heptachlor Epoxide	~	~	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Methoxychlor	~	~	NA	0.00173 U	0.00188 U	0.002 U	NA	0.0017 U	0.00254 U	NA	0.00175 U	0.00182 U	0.00215 U	NA
Toxaphene	~	~	NA	0.173 U	0.188 U	0.2 U	NA	0.17 U	0.254 U	NA	0.175 U	0.182 U	0.215 U	NA
Herbicides (mg/kg)														
2,4,5-T (Trichlorophenoxyacetic Acid)	~	~	NA	0.0214 UJ	0.0228 U	0.024 U	NA	0.0209 U	0.0306 U	NA	0.0212 U	0.022 U	0.0259 U	NA
2,4-D (Dichlorophenoxyacetic Acid)	~	~	NA	0.0214 UJ	0.0228 U	0.024 U	NA	0.0209 U	0.0306 U	NA	0.0212 U	0.022 U	0.0259 U	NA
Silvex (2,4,5-Tp)	3.8	500	NA	0.0214 UJ	0.0228 U	0.024 U	NA	0.0209 U	0.0306 U	NA	0.0212 U	0.022 U	0.0259 U	NA
Polychlorinated Biphenyls (mg/kg)														
PCB-1016 (Aroclor 1016)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1221 (Aroclor 1221)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1232 (Aroclor 1232)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1242 (Aroclor 1242)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1248 (Aroclor 1248)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1254 (Aroclor 1254)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1260 (Aroclor 1260)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1262 (Aroclor 1262)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
PCB-1268 (Aroclor 1268)	~	~	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
Total PCBs	0.1	1	NA	0.0175 U	0.019 U	0.0202 U	NA	0.0172 U	0.0256 U	NA	0.0176 U	0.0184 U	0.0217 U	NA
Inorganics (mg/kg)														
Aluminum	~	~	NA	7,420	4,660	15,400	NA	7,250	9,280	NA	5,310	7,160	10,100	21,300
Antimony	~	~	NA	2.69 UJ	2.88 UJ	3.04 UJ	NA	2.62 U	3.89 U	NA	2.68 U	2.78 U	3.32 U	4.1 U
Arsenic	13	16	NA	7	5.43	8.83	NA	5.56	9.07	NA	11.3	3.73	7.88	11.4
Barium	350	400	NA	140	44.9	46.8	NA	61.8	95.9	NA	57	83.7	194	54.9
Beryllium	7.2	590	NA	0.054 U	0.058 U	0.061 U	NA	0.052 U	0.078 U	NA	0.054 U	0.056 U	0.066 U	0.082 U
Cadmium	2.5	9.3	NA	0.468	0.345 U	0.364 U	NA	0.475	0.466 U	NA	0.369	0.334 U	0.478	0.72
Calcium	~	~	NA	56,500 B	3,540 B	1,400 B	NA	55,800 B	12,700 B	NA	63,700	67,700	20,300	3,220
Chromium, Hexavalent	1	400	NA	0.538 U	0.575 U	0.607 U	NA	0.525 U	0.777 U	NA	0.536 U	**6.81**	0.665 U	NA
Chromium, Total	~	~	NA	28.2	10.7	21.3	NA	23.8	15.8	NA	20.8	28.6	16.9	38
Chromium, Trivalent	30	1,500	NA	28.2	10.7	21.3	NA	23.8	15.8	NA	20.8	21.8	16.9	NA
Cobalt	~	~	NA	5.59	4.01	8.22	NA	6.48	7.71	NA	4.38	7.01	9.27	13.7
Copper	50	270	NA	28	22.6	14.3	NA	33.1	**75.1**	NA	**737**	32.2	**123**	15
Cyanide	27	27	NA	0.538 U	0.575 U	0.607 U	NA	0.525 U	0.777 U	NA	0.536 U	0.557 U	0.665 U	NA
Iron	~	~	NA	17,200	11,100	21,100	NA	13,000	12,500	NA	14,800	16,700	14,500	41,300
Lead	63	1,000	NA	**90**	**92.5**	9.29	NA	47.5	**157**	NA	57.6	17.9	**302**	13
Magnesium	~	~	NA	9,570	2,140	3,930	NA	14,800	2,270	NA	24,000	23,300	2,380	7,920
Manganese	1,600	10,000	NA	267	125	150	NA	270 B	164 B	NA	244	204	102	629
Mercury	0.18	2.8	NA	**0.182**	**0.407**	0.0364 U	NA	0.0701	**0.557**	NA	0.0322 U	0.0384	**2.22**	0.0492 U
Nickel	30	310	NA	19	9.89	22	NA	21.9	24.3	NA	13.2	11.8	22.7	**32.9**
Potassium	~	~	NA	1,480 B	1,150 B	1,950 B	NA	1,010 B	1,100 B	NA	867 B	748 B	1,700 B	5,060 B
Selenium	3.9	1,500	NA	2.69 U	2.88 U	3.04 U	NA	2.62 U	3.89 U	NA	3.29	2.78 U	3.32 U	*4.1* U
Silver	2	1,500	NA	0.538 U	0.575 U	0.607 U	NA	0.525 U	0.777 U	NA	0.536 U	0.557 U	0.665 U	0.82 U
Sodium	~	~	NA	363 J	240 J	381 J	NA	415	233	NA	238	590	392	1,030
Thallium	~	~	NA	2.69 U	2.88 U	3.04 U	NA	2.62 U	3.89 U	NA	2.68 U	2.78 U	3.32 U	4.1 U
Vanadium	~	~	NA	26.7	12.1	28.3	NA	25.8	21.6	NA	17.8	39.6	22.6	45.1
Zinc	109	10,000	NA	92.5 B	69.6 J	52.5 J	NA	76.4	**323**	NA	93.2	46.3	**353**	86.3
General Chemistry (%)														
Solids, Percent	~	~	80.6	92.9	87	82.4	NA	95.3	64.3	82.7	93.3	89.8	75.2	61

Notes provided on Page 10.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Notes:
1. 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 Commercial Soil Cleanup Objectives (SCO).
2. 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)
3. Detected analytical results above Unrestricted Use SCOs are bolded.
4. Detected analytical results above Restricted Use Restricted-Residential SCOs are shaded.
5. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
6. Sample SODUP02_030821 is a duplicate sample of SB02_0.5-2 and sample SODUP01_030421 is a duplicate sample of SB06_6-8.
7. ~ = Regulatory limit for this analyte does not exist
8. bgs = below grade surface
9. mg/kg = milligrams per kilogram
10. % = percent
11. NA = Not analyzed

Qualifiers:
D = The concentration reported is a result of a diluted sample.
B = The analyte was found in the associated analysis batch blank.
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 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.

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - PFAS

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375	NYSDEC Part 375	SB02		SB02		SB02		SB02		SB03		SB03		SB03		SB04		SB04		SB04		SB05	
Sample ID	Unrestricted Use	Restricted Use	SB02_0-0.5		SB02_0.5-2		SODUP02_030821		SB02_6-8		SB03_0-0.5		SB03_0.5-2		SB03_6-8		SB04_0-0.5		SB04_6-8		SB04_12-14		SB05_0-2	
Laboratory ID	SCOs	Commercial SCOs	21C0404-09		21C0404-11		21C0404-13		21C0404-10		21C0344-02		21C0344-03		21C0344-04		21C0110-01		21C0110-02		21C0110-03		21C0404-07	
Sample Date			3/8/2021		3/8/2021		3/8/2021		3/8/2021		3/5/2021		3/5/2021		3/5/2021		3/2/2021		3/2/2021		3/2/2021		3/8/2021	
Sample Depth (feet bgs)			0-0.5		0.5-2		0.5-2		6-8		0-0.5		0.5-2		6-8		0-0.5		6-8		12-14		0-2	
Per and Polyfluoroalkyl Substances (µg/L)																								
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	UJ	0.528	UJ	0.523	UJ	0.499	U
Perfluorobutanoic acid (PFBA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	UJ	0.499	U
Perfluorodecanesulfonic Acid (PFDS)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorodecanoic Acid (PFDA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorododecanoic Acid (PFDoA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluoroheptanoic acid (PFHpA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	UJ	0.528	UJ	0.523	UJ	0.499	U
Perfluorohexanesulfonic Acid (PFHxS)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorohexanoic Acid (PFHxA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorononanoic Acid (PFNA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorooctanesulfonamide (FOSA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	UJ	0.536	UJ	0.689	UJ	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorooctanoic Acid (PFOA)	0.66	500	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	*0.689*	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluoropentanoic Acid (PFPeA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	UJ	0.499	U
Perfluorotetradecanoic Acid (PFTA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Perfluoroundecanoic Acid (PFUnA)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	~	~	0.497	U	0.508	U	0.477	U	0.502	U	0.527	U	0.536	U	0.689	U	0.575	U	0.528	U	0.523	U	0.499	U

Notes provided on Page 4.

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - PFAS

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375	NYSDEC Part 375	SB05		SB06		SB06		SB06		SB06		SB07		SB07		SB08		SB08		SB08		SB09	
Sample ID	Unrestricted Use	Restricted Use	SB05_8-10		SB06_0-0.5		SB06_0.5-2		SB06_6-8		SODUP01_030421		SB07_0-2		SB07_6-8		SB08_0-0.5		SB08_0.5-2		SB08_8-10		SB09_6-8	
Laboratory ID	SCOs	Commercial SCOs	21C0404-08		21C0267-05		21C0267-06		21C0267-07		21C0267-09		21C0267-02		21C0267-03		21C0404-05		21C0404-04		21C0404-03		21C0110-05	
Sample Date			3/8/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/4/2021		3/8/2021		3/8/2021		3/8/2021		3/2/2021	
Sample Depth (feet bgs)			8-10		0-0.5		0.5-2		6-8		6-8		0-2		6-8		0-0.5		0.5-2		8-10		6-8	
Per and Polyfluoroalkyl Substances (µg/L)																								
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	~	~	0.511	U	0.538	UJ	0.483	UJ	0.571	UJ	0.517	UJ	0.471	UJ	0.552	UJ	0.566	U	0.521	U	0.563	U	0.825	U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	UJ
Perfluorobutanoic acid (PFBA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	UJ
Perfluorodecanesulfonic Acid (PFDS)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorodecanoic Acid (PFDA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorododecanoic Acid (PFDoA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluoroheptanoic acid (PFHpA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	UJ
Perfluorohexanesulfonic Acid (PFHxS)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorohexanoic Acid (PFHxA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorononanoic Acid (PFNA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorooctanesulfonamide (FOSA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorooctanoic Acid (PFOA)	0.66	500	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	*0.825*	U
Perfluoropentanoic Acid (PFPeA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	UJ
Perfluorotetradecanoic Acid (PFTA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	0.511	U	0.538	UJ	0.483	UJ	0.571	UJ	0.517	UJ	0.471	UJ	0.552	UJ	0.566	U	0.521	U	0.563	U	0.825	U
Perfluoroundecanoic Acid (PFUnA)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	~	~	0.511	U	0.538	U	0.483	U	0.571	U	0.517	U	0.471	U	0.552	U	0.566	U	0.521	U	0.563	U	0.825	U

Notes provided on Page 4.

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - PFAS

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC Part 375	NYSDEC Part 375	SB09		SB10		SB10		SB10		SB11		SB11		SB12		SB12		SB12	
Sample ID	Unrestricted Use	Restricted Use	SB09_8-10		SB10_0-2		SB10_13-15		SB10_22-24		SB11_0-2		SB11_8-10		SB12_0-0.5		SB12_0.5-2		SB12_8-10	
Laboratory ID	SCOs	Commercial SCOs	21C0110-06		21C0454-04		21C0454-05		21C0454-06		21C0344-06		21C0344-07		21C0167-01		21C0167-02		21C0167-03	
Sample Date			3/2/2021		3/9/2021		3/9/2021		3/9/2021		3/5/2021		3/5/2021		3/3/2021		3/3/2021		3/3/2021	
Sample Depth (feet bgs)			8-10		0-2		13-15		22-24		0-2		8-10		0-0.5		0.5-2		8-10	
Per and Polyfluoroalkyl Substances (µg/L)																				
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	1.25		0.504	UJ	0.536	UJ	0.658	UJ
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	0.597	UJ	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorobutanoic acid (PFBA)	~	~	0.597	UJ	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorodecanesulfonic Acid (PFDS)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorodecanoic Acid (PFDA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorododecanoic Acid (PFDoA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluoroheptanoic acid (PFHpA)	~	~	0.597	UJ	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorohexanesulfonic Acid (PFHxS)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorohexanoic Acid (PFHxA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	1.1		0.504	U	0.536	U	0.658	U
Perfluorononanoic Acid (PFNA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorooctanesulfonamide (FOSA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	UJ	0.718	UJ	0.504	UJ	0.536	UJ	0.658	UJ
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.723		0.536	U	0.658	U
Perfluorooctanoic Acid (PFOA)	0.66	500	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	*0.718*	U	0.504	U	0.536	U	0.658	U
Perfluoropentanoic Acid (PFPeA)	~	~	0.597	UJ	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorotetradecanoic Acid (PFTA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	UJ	0.536	UJ	0.658	UJ
Perfluoroundecanoic Acid (PFUnA)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	~	~	0.597	U	0.523	U	0.531	U	0.606	U	0.481	U	0.718	U	0.504	U	0.536	U	0.658	U

Notes provided on Page 4.

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - PFAS

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Unrestricted Use and Restricted Use Commercial Guidance Values (Janurary 2021).
2. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
3. Sample SODUP02_030821 is a duplicate sample of SB02_0.5-2 and sample SODUP01_030421 is a duplicate sample of SB06_6-8.
4. ~ = Regulatory limit for this analyte does not exist
5. bgs = below grade surface
6. ppb = parts per billion

Qualifiers:

UJ = The analyte was not detected at a level greater than or equal to the 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.

Table 4A
Remedial Investigation Report
Groundwater Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location		MW02		MW03		MW04		MW04	MW06		MW10		MW10D		MW11		MW11		MW12	
Sample ID	NYSDEC	MW02_031821		MW03_031221		MW04_031921		MW04_032421	MW06_031821		MW10_031821		MW10D_031921		MW11_031221		GWDUP01_031221		MW12_031221	
Laboratory ID	SGVs	21C0945-01		21C0665-01		21C0975-03		21C1199-01	21C0907-02		21C0907-01		21C0975-04		21C0665-02		21C0665-04		21C0665-03	
Sample Date		3/18/2021		3/12/2021		3/19/2021		3/24/2021	3/18/2021		3/18/2021		3/19/2021		3/12/2021		3/12/2021		3/12/2021	
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,1,1-Trichloroethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-Tetrachloroethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,1,2-Trichloroethane	1	0.2	U	1	U	*2*	U	NA	*4*	U	1	U	*2*	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,2,3-Trichlorobenzene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,2,3-Trichloropropane	0.04	*0.2*	U	*1*	U	*0.4*	U	NA	*4*	U	*1*	U	*2*	U	*0.2*	U	*0.2*	U	*0.2*	U
1,2,4-Trichlorobenzene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,2,4-Trimethylbenzene	5	2.13		**13.6**	D	**6.16**	D	NA	**1,190**	D	**22.8**	D	**193**	D	4.45		4.42		**6.7**	
1,2-Dibromo-3-Chloropropane	0.04	*0.2*	U	*1*	U	*0.4*	U	NA	*4*	U	*1*	U	*2*	U	*0.2*	U	*0.2*	U	*0.2*	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	*0.2*	U	*1*	U	*0.4*	U	NA	*4*	U	*1*	U	*2*	U	*0.2*	U	*0.2*	U	*0.2*	U
1,2-Dichlorobenzene	3	0.2	U	1	U	0.4	U	NA	*4*	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethane	0.6	0.2	U	*1*	U	**7.7**	D	NA	*4*	U	*1*	U	*2*	U	0.2	U	0.2	U	0.2	U
1,2-Dichloropropane	1	0.2	U	1	U	0.4	U	NA	*4*	U	1	U	*2*	U	0.2	U	0.2	U	0.2	U
1,3,5-Trimethylbenzene (Mesitylene)	5	0.21	J	4.65	D	2.28	D	NA	**353**	D	**5.8**	D	**51.5**	D	2.05		2.04		2.9	
1,3-Dichlorobenzene	3	0.2	U	1	U	0.4	U	NA	*4*	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,4-Dichlorobenzene	3	0.2	U	1	U	0.4	U	NA	*4*	U	1	U	2	U	0.2	U	0.2	U	0.2	U
1,4-Dioxane (P-Dioxane)	~	40	U	200	U	80	U	NA	800	U	200	U	400	U	40	U	40	U	40	U
2-Hexanone (MBK)	50	0.27	J	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Acetone	50	**128**		5	U	**146**	D	NA	**585**	D	13	D	10	U	32.5		27.6		**76.1**	
Acrolein	5	0.2	U	1	U	4.4	JD	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Acrylonitrile	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Benzene	1	0.77		**211**	D	**23.8**	D	NA	**7,650**	D	**48.8**	D	**266**	D	**2.79**		**2.55**		0.38	J
Bromochloromethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Bromodichloromethane	50	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Bromoform	50	0.2	U	1	U	0.4	U	NA	4	U	1	UJ	2	U	0.2	U	0.2	U	0.2	U
Bromomethane	5	0.2	UJ	1	UJ	0.4	UJ	NA	4	UJ	1	UJ	2	UJ	0.2	UJ	0.2	UJ	0.2	UJ
Carbon Disulfide	60	0.41	J	1	U	0.4	U	NA	4	U	1	U	2	U	3.14		2.77		0.2	U
Carbon Tetrachloride	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Chlorobenzene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Chloroethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Chloroform	7	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Chloromethane	5	0.2	UJ	1	UJ	2.2	J	NA	4	UJ	1	UJ	2	UJ	0.2	UJ	0.2	UJ	0.2	UJ
Cis-1,2-Dichloroethene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Cis-1,3-Dichloropropene	0.4	0.2	U	*1*	U	0.4	U	NA	*4*	U	*1*	U	*2*	U	0.2	U	0.2	U	0.2	U
Cyclohexane	~	0.87		94.4	D	0.4	U	NA	735	D	3.4	D	2	U	46.4		41		5.83	
Dibromochloromethane	50	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Dibromomethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Dichlorodifluoromethane	5	0.2	U	1	UJ	0.4	U	NA	4	U	1	U	2	U	0.2	UJ	0.2	UJ	0.2	UJ
Ethylbenzene	5	0.2	U	**14**	D	**11**	D	NA	**1,420**	D	**91.3**	D	**961**	D	0.73		0.69		0.7	
Hexachlorobutadiene	0.5	0.2	U	*1*	U	0.4	U	NA	*4*	U	*1*	U	*2*	U	0.2	U	0.2	U	0.2	U
Isopropylbenzene (Cumene)	5	0.24	J	**39.2**	D	0.48	JD	NA	**100**	D	**5.75**	D	**28.6**	D	1.83		1.88		0.33	J
M,P-Xylene	5	0.54	J	**35.6**	D	**16.6**	D	NA	**3,320**	D	**71.8**	D	**701**	D	2.17		2.02		3.37	
Methyl Acetate	~	0.2	U	1	U	0.64	JD	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Methyl Ethyl Ketone (2-Butanone)	50	3.04	U	1	U	24.3	BD	NA	4	U	5.3	U	10	U	0.2	U	0.2	U	2.79	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	0.22	J	1	U	0.52	JD	NA	4	U	1	U	2	U	0.2	U	0.41	J	0.71	
Methylcyclohexane	~	0.3	J	43.4	D	0.4	U	NA	693	D	1	U	2	U	30		29		5.67	
Methylene Chloride	5	1.17	J	5	U	2	U	NA	*20*	U	5	U	*10*	U	1	U	1	U	1	U
n-Butylbenzene	5	0.2	U	**9.35**	D	0.4	U	NA	**39.4**	D	1	JD	5	D	0.24	J	0.25	J	0.57	
n-Propylbenzene	5	0.28	J	**70.8**	D	0.4	U	NA	**153**	D	1.55	JD	**9**	D	0.31	J	0.3	J	0.49	J
o-Xylene (1,2-Dimethylbenzene)	5	0.5	U	**9.9**	D	**10.4**	D	NA	**821**	D	**50.4**	D	**443**	D	2.07		1.98		2.56	
p-Cymene (p-Isopropyltoluene)	~	2.54		1	U	25.2	D	NA	13.8	D	4.8	D	5.4	D	1.58		1.61		1.49	
Sec-Butylbenzene	5	0.2	U	**8.55**	D	0.4	U	NA	**12.8**	D	1	U	2	U	1.03		1.04		0.21	J
Styrene	5	0.2	U	1	U	**10.3**	D	NA	**25**	D	**18.2**	D	**247**	D	0.2	U	0.2	U	0.2	U
T-Butylbenzene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.66		0.67		0.2	U
Tert-Butyl Alcohol	~	0.5	UJ	2.5	U	849	D	NA	10	U	2.5	U	5	U	0.5	U	0.5	U	0.5	U
Tert-Butyl Methyl Ether	10	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Tetrachloroethene (PCE)	5	0.2	UJ	1	U	0.4	UJ	NA	4	U	1	U	2	UJ	0.2	UJ	0.2	U	0.2	UJ
Toluene	5	0.68		**21.8**	D	**47.5**	D	NA	**828**	D	**38.9**	D	**409**	D	**42.5**		**38.3**		1.66	
Total Xylenes	5	1.5	U	**45.5**	D	**26**	D	NA	**4,140**	D	**122**	D	**1,140**	D	4.24		4		**5.93**	
Trans-1,2-Dichloroethene	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Trans-1,3-Dichloropropene	0.4	0.2	U	*1*	U	0.4	U	NA	*4*	U	*1*	U	*2*	U	0.2	U	0.2	U	0.2	U
Trichloroethene (TCE)	5	0.2	U	1	U	0.52	JD	NA	4	U	1	U	2	U	0.2	UJ	0.2	U	0.2	UJ
Trichlorofluoromethane	5	0.2	U	1	U	0.4	U	NA	4	U	1	U	2	U	0.2	U	0.2	U	0.2	U
Vinyl Chloride	2	0.2	U	1	UJ	0.4	U	NA	*4*	U	1	U	2	U	0.2	UJ	0.2	UJ	0.2	UJ

Notes provided on Page 5.

Table 4A
Remedial Investigation Report
Groundwater Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC	MW02		MW03		MW04		MW04	MW06		MW10		MW10D		MW11		MW11		MW12	
Sample ID	SGVs	MW02_031821		MW03_031221		MW04_031921		MW04_032421	MW06_031821		MW10_031821		MW10D_031921		MW11_031221		GWDUP01_031221		MW12_031221	
Laboratory ID		21C0945-01		21C0665-01		21C0975-03		21C1199-01	21C0907-02		21C0907-01		21C0975-04		21C0665-02		21C0665-04		21C0665-03	
Sample Date		3/18/2021		3/12/2021		3/19/2021		3/24/2021	3/18/2021		3/18/2021		3/19/2021		3/12/2021		3/12/2021		3/12/2021	
Semivolatile Organic Compounds (µg/L)																				
1,2,4,5-Tetrachlorobenzene	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
1,2-Diphenylhydrazine	0	*2.78*	U	*2.5*	U	*2.5*	UJ	NA	*2.78*	U	*2.7*	U	*2.56*	UJ	*2.86*	UJ	*2.56*	UJ	*2.86*	U
1-Methylnaphthalene	~	NA		NA		NA		NA	31.8		92.2	D	NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2,4,5-Trichlorophenol	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2,4,6-Trichlorophenol	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2,4-Dichlorophenol	1	*2.78*	U	*2.5*	U	*2.5*	UJ	NA	*2.78*	U	*2.7*	U	*2.56*	UJ	*2.86*	UJ	*2.56*	UJ	*2.86*	U
2,4-Dimethylphenol	1	*2.78*	U	*2.5*	U	*2.5*	UJ	NA	*2.78*	U	**4.69**	J	*2.56*	UJ	*2.86*	UJ	*2.56*	UJ	*2.86*	U
2,4-Dinitrophenol	1	*2.78*	UJ	*2.5*	UJ	*2.5*	UJ	NA	*2.78*	UJ	*2.7*	UJ	*2.56*	UJ	*2.86*	UJ	*2.56*	UJ	*2.86*	UJ
2,4-Dinitrotoluene	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2,6-Dinitrotoluene	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2-Chloronaphthalene	10	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2-Chlorophenol	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2-Methylnaphthalene	~	2.78	U	8.47		17.2	J	NA	76.5	D	61.6	D	532	J	2.86	UJ	2.56	UJ	3.14	J
2-Methylphenol (o-Cresol)	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2-Nitroaniline	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
2-Nitrophenol	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
3 & 4 Methylphenol (m&p Cresol)	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
3,3'-Dichlorobenzidine	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
3-Nitroaniline	5	2.78	U	2.5	UJ	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	UJ
4,6-Dinitro-2-Methylphenol	~	2.78	UJ	2.5	UJ	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	UJ
4-Bromophenyl Phenyl Ether	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
4-Chloro-3-Methylphenol	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
4-Chloroaniline	5	2.78	U	2.5	UJ	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	UJ
4-Chlorophenyl Phenyl Ether	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
4-Nitroaniline	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
4-Nitrophenol	~	5.56	UJ	5	UJ	5	UJ	NA	5.56	U	5.41	U	5.13	UJ	5.71	UJ	5.13	UJ	5.71	UJ
Acenaphthene	20	0.111	J	3.92		5.65	J	NA	2	D	**52.8**	D	**95.5**	J	0.08		0.164		1.47	
Acenaphthylene	~	0.878	J	0.61		10.6	J	NA	1.11	U	6.92	D	137	J	0.0571	U	0.0513	U	0.263	
Acetophenone	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Alpha-Terpineol	~	NA		NA		5	UJ	NA	NA		NA		5.13	UJ	NA		NA		NA	
Aniline (Phenylamine, Aminobenzene)	5	2.78	UJ	2.5	UJ	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	UJ
Anthracene	50	0.0556	UJ	0.51		2.94	J	NA	2.22	D	5.19	D	8.14	J	0.0571	U	0.0718		0.434	
Atrazine	7.5	0.556	UJ	0.5	U	0.5	UJ	NA	*11.1*	U	*10.8*	U	0.513	UJ	0.571	U	0.513	U	0.571	U
Benzaldehyde	~	7.37	J	2.5	UJ	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	UJ
Benzidine	5	*5.56*	UJ	5	UJ	5	UJ	NA	*5.56*	UJ	*5.41*	UJ	*5.13*	UJ	*5.71*	UJ	*5.13*	UJ	*5.71*	UJ
Benzo(a)anthracene	0.002	**0.211**	J	*0.05*	UJ	**0.55**	J	NA	**1.11**	J	**1.08**	J	**0.328**	J	*0.0571*	UJ	*0.0513*	UJ	**0.263**	J
Benzo(a)pyrene	0	*0.0556*	UJ	*0.05*	U	**0.4**	J	NA	*1.11*	U	*1.08*	U	**0.133**	J	*0.0571*	U	*0.0513*	U	**0.251**	
Benzo(b)fluoranthene	0.002	*0.0556*	UJ	*0.05*	U	**0.24**	J	NA	*1.11*	U	*1.08*	U	**0.0718**	J	*0.0571*	U	*0.0513*	U	**0.229**	
Benzo(g,h,i)Perylene	~	0.0556	UJ	0.05	UJ	0.12	J	NA	1.11	UJ	1.08	UJ	0.0513	UJ	0.0571	UJ	0.0513	UJ	0.137	J
Benzo(k)fluoranthene	0.002	*0.0556*	UJ	*0.05*	U	**0.35**	J	NA	*1.11*	U	*1.08*	U	**0.103**	J	*0.0571*	U	*0.0513*	U	**0.217**	
Benzoic Acid	~	22.9	J	2.5	UJ	274	J	NA	2.78	UJ	2.7	UJ	25.6	UJ	2.86	UJ	2.56	UJ	2.86	UJ
Benzyl Alcohol	~	2.78	U	2.5	U	14.5	J	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Benzyl Butyl Phthalate	50	2.78	U	2.5	U	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Biphenyl (Diphenyl)	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	3.36	J	**46.9**	J	2.86	UJ	2.56	UJ	2.86	U
Bis(2-chloroethoxy) methane	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	1	*1.11*	U	1	U	1	UJ	NA	*1.11*	UJ	*1.08*	UJ	*1.03*	UJ	*1.14*	UJ	*1.03*	UJ	*1.14*	U
Bis(2-chloroisopropyl) ether	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Bis(2-ethylhexyl) phthalate	5	4.16	J	0.5	UJ	1.75	J	NA	*11.1*	UJ	*10.8*	UJ	0.513	UJ	0.594	U	0.513	UJ	0.571	UJ
Caprolactam	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Carbazole	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	17.1	J	2.86	UJ	2.56	UJ	2.86	U
Chrysene	0.002	**0.0556**	J	*0.05*	U	**0.64**	J	NA	**1.33**	D	*1.08*	U	**0.287**	J	*0.0571*	U	*0.0513*	U	**0.297**	
Dibenz(a,h)anthracene	~	0.0556	UJ	0.05	UJ	0.05	UJ	NA	1.11	UJ	1.08	UJ	0.0513	UJ	0.0571	UJ	0.0513	UJ	0.0571	J
Dibenzofuran	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	6.87	J	2.86	UJ	2.56	UJ	2.86	U
Dibutyl phthalate	50	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Diethyl phthalate	50	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Dimethyl phthalate	50	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Dioctyl phthalate	50	2.78	U	2.5	U	2.5	UJ	NA	2.78	UJ	2.7	UJ	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Diphenylamine	5	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Fluoranthene	50	0.0556	UJ	0.38		1.44	J	NA	3.56	D	4.11	D	1.21	J	0.0571	U	0.0513	U	0.891	
Fluorene	50	0.178	J	3.34		2.65	J	NA	2.22	D	7.57	D	45.6	J	0.0571		0.113		1.2	
Hexachlorobenzene	0.04	0.0222	UJ	0.02	U	0.02	UJ	NA	*0.444*	U	*0.432*	U	0.0205	UJ	0.0229	U	0.0205	U	0.0229	U
Hexachlorobutadiene	0.5	*0.556*	UJ	0.5	U	0.5	UJ	NA	*11.1*	U	*10.8*	U	*0.513*	UJ	*0.571*	U	*0.513*	U	*0.571*	U
Hexachlorocyclopentadiene	5	*5.56*	UJ	5	UJ	5	UJ	NA	*5.56*	UJ	*5.41*	UJ	*5.13*	UJ	*5.71*	UJ	*5.13*	UJ	*5.71*	UJ
Hexachloroethane	5	0.556	UJ	0.5	U	0.5	UJ	NA	*11.1*	U	*10.8*	U	0.513	UJ	0.571	U	0.513	U	0.571	U
Indeno(1,2,3-cd)pyrene	0.002	*0.0556*	UJ	*0.05*	UJ	**0.07**	J	NA	*1.11*	UJ	*1.08*	UJ	*0.0513*	UJ	*0.0571*	UJ	*0.0513*	UJ	**0.126**	J
Isophorone	50	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Naphthalene	10	1.18	J	3.57	J	**129**	J	NA	**183**	D	**179**	D	**3,980**	J	0.24	J	0.369	J	4.3	J
Nitrobenzene	0.4	0.278	UJ	0.25	U	0.25	UJ	NA	*5.56*	U	*5.41*	U	0.256	UJ	0.286	U	0.256	U	0.286	U
n-Nitrosodimethylamine	~	0.556	UJ	0.5	UJ	0.5	UJ	NA	11.1	UJ	10.8	UJ	0.513	UJ	0.571	UJ	0.513	UJ	0.571	UJ
n-Nitrosodi-N-Propylamine	~	2.78	U	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
n-Nitrosodiphenylamine	50	2.78	UJ	2.5	U	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	U
Pentachlorophenol	1	0.278	UJ	0.25	UJ	0.25	UJ	NA	*5.56*	UJ	*5.41*	UJ	0.256	UJ	0.286	UJ	0.256	UJ	0.286	UJ
Phenanthrene	50	0.311	J	2.7		5.35	J	NA	5.78	D	17.9	D	46.5	J	0.149		0.256		2.24	
Phenol	1	*2.78*	U	*2.5*	UJ	*2.5*	UJ	NA	*2.78*	U	*2.7*	U	*2.56*	UJ	*2.86*	UJ	*2.56*	UJ	*2.86*	UJ
Pyrene	50	0.0556	UJ	0.28	U	7.33	J	NA	2.67	BD	4.32	BD	3.38		0.0571	U	0.0513	U	0.789	U
Pyridine	50	2.78	U	2.5	UJ	2.5	UJ	NA	2.78	U	2.7	U	2.56	UJ	2.86	UJ	2.56	UJ	2.86	UJ

Notes provided on Page 5.

Table 4A
Remedial Investigation Report
Groundwater Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC	MW02		MW03		MW04	MW04		MW06		MW10		MW10D		MW11		MW11		MW12	
Sample ID	SGVs	MW02_031821		MW03_031221		MW04_031921	MW04_032421		MW06_031821		MW10_031821		MW10D_031921		MW11_031221		GWDUP01_031221		MW12_031221	
Laboratory ID		21C0945-01		21C0665-01		21C0975-03	21C1199-01		21C0907-02		21C0907-01		21C0975-04		21C0665-02		21C0665-04		21C0665-03	
Sample Date		3/18/2021		3/12/2021		3/19/2021	3/24/2021		3/18/2021		3/18/2021		3/19/2021		3/12/2021		3/12/2021		3/12/2021	
Pesticides (µg/L)																				
4,4'-DDD	0.3	0.0041	U	0.00421	UJ	NA	0.00471	U	0.00432	UJ	0.00471	U	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	UJ
4,4'-DDE	0.2	0.0041	U	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	U
4,4'-DDT	0.2	0.0041	U	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	U	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	U
Aldrin	0	*0.0041*	U	*0.00421*	U	NA	*0.00471*	U	*0.00432*	UJ	*0.00471*	U	*0.004*	U	*0.0041*	UJ	*0.00421*	UJ	*0.00421*	U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0041	U	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	U	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	U
Alpha Chlordane	~	0.0041	UJ	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Alpha Endosulfan	~	0.0041	UJ	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.0041	U	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	U	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	U
Beta Endosulfan	~	0.0041	UJ	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Chlordane (alpha and gamma)	0.05	*0.205*	U	*0.211*	U	NA	*0.235*	U	*0.216*	UJ	*0.235*	U	*0.2*	U	*0.205*	UJ	*0.211*	UJ	*0.211*	U
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	0.0041	U	0.00421	U	NA	0.00471	UJ	0.00432	UJ	0.00471	U	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	U
Dieldrin	0.004	0.00205	UJ	0.00211	U	NA	0.00235	U	0.00216	UJ	0.00235	UJ	0.002	UJ	0.00205	UJ	0.00211	UJ	0.00211	U
Endosulfan Sulfate	~	0.0041	UJ	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Endrin	0	*0.0041*	U	*0.00421*	U	NA	*0.00471*	U	*0.00432*	UJ	*0.00471*	UJ	*0.004*	U	*0.0041*	UJ	*0.00421*	UJ	*0.00421*	U
Endrin Aldehyde	5	0.0103	U	0.0105	U	NA	0.0118	U	0.0108	UJ	0.0118	U	0.01	U	0.0103	UJ	0.0105	UJ	0.0105	U
Endrin Ketone	5	0.0103	UJ	0.0105	U	NA	0.0118	U	0.0108	UJ	0.0118	UJ	0.01	UJ	0.0103	UJ	0.0105	UJ	0.0105	U
Gamma Bhc (Lindane)	0.05	0.0041	UJ	0.00421	U	NA	0.00471	UJ	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Gamma-Chlordane	~	0.0103	UJ	0.0105	U	NA	0.0118	U	0.0108	UJ	0.0118	UJ	0.01	UJ	0.0103	UJ	0.0105	UJ	0.0105	U
Heptachlor	0.04	0.0041	UJ	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Heptachlor Epoxide	0.03	0.0041	U	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	U	0.004	U	0.0041	UJ	0.00421	UJ	0.00421	U
Methoxychlor	35	0.0041	UJ	0.00421	U	NA	0.00471	U	0.00432	UJ	0.00471	UJ	0.004	UJ	0.0041	UJ	0.00421	UJ	0.00421	U
Toxaphene	0.06	*0.103*	U	*0.105*	U	NA	*0.118*	U	*0.108*	UJ	*0.118*	U	*0.1*	U	*0.103*	UJ	*0.105*	UJ	*0.105*	U
Herbicides (µg/L)																				
2,4,5-T (Trichlorophenoxyacetic Acid)	35	5	U	5	U	NA	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-D (Dichlorophenoxyacetic Acid)	50	5	U	5	U	NA	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silvex (2,4,5-Tp)	0.26	*5*	U	*5*	U	NA	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
Polychlorinated Biphenyls (µg/L)																				
PCB-1016 (Aroclor 1016)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1221 (Aroclor 1221)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1232 (Aroclor 1232)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1242 (Aroclor 1242)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1248 (Aroclor 1248)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1254 (Aroclor 1254)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1260 (Aroclor 1260)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1262 (Aroclor 1262)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
PCB-1268 (Aroclor 1268)	~	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U
Total PCBs	0.09	0.0513	UJ	0.0526	U	NA	0.0588	UJ	0.0541	UJ	0.0588	U	0.05	U	0.0513	UJ	0.0526	UJ	0.0526	U

Notes provided on Page 5.

Table 4A
Remedial Investigation Report
Groundwater Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location	NYSDEC	MW02		MW03		MW04	MW04		MW06		MW10		MW10D		MW11		MW11		MW12	
Sample ID	SGVs	MW02_031821		MW03_031221		MW04_031921	MW04_032421		MW06_031821		MW10_031821		MW10D_031921		MW11_031221		GWDUP01_031221		MW12_031221	
Laboratory ID		21C0945-01		21C0665-01		21C0975-03	21C1199-01		21C0907-02		21C0907-01		21C0975-04		21C0665-02		21C0665-04		21C0665-03	
Sample Date		3/18/2021		3/12/2021		3/19/2021	3/24/2021		3/18/2021		3/18/2021		3/19/2021		3/12/2021		3/12/2021		3/12/2021	
Inorganics (µg/L)																				
Aluminum	~	1,630		727		NA	567		3,240		135		55.6	U	995		843		4,260	
Aluminum (Dissolved)	~	2,010		106		NA	50	U	55.6	U	55.6	U	55.6	U	336		364		2,020	
Antimony	3	1.11	UJ	1.11	UJ	NA	1	U	1.59	J	1.11	UJ	1.11	UJ	1.11	UJ	1.11	U	1.11	UJ
Antimony (Dissolved)	3	1.11	UJ	1.11	UJ	NA	1	UJ	1.58	J	1.11	UJ	1.11	UJ	1.11	UJ	1.11	UJ	1.11	UJ
Arsenic	25	7.18		6.74		NA	19.3	J	**39.5**		18.6		**25.9**		12.5		12.4		7.46	
Arsenic (Dissolved)	25	5.75		2.6		NA	13.4	J	**35.2**		13.2		**26.2**		9.61		9.25		5.63	
Barium	1,000	34.4		283		NA	46.6		293		50.8		133		33.3		27.8	U	265	
Barium (Dissolved)	1,000	38.6		271		NA	44.5		209		49.3		135		27.8	U	27.8	U	155	
Beryllium	3	0.333	UJ	0.333	U	NA	0.3	UJ	0.333	UJ	0.333	UJ	0.333	U	0.333	U	0.333	U	0.333	U
Beryllium (Dissolved)	3	0.333	UJ	0.333	U	NA	0.3	UJ	0.333	UJ	0.333	UJ	0.333	UJ	0.333	U	0.333	U	0.333	U
Cadmium	5	0.556	UJ	0.556	UJ	NA	0.5	U	0.556	UJ	0.556	UJ	0.556	UJ	0.556	UJ	0.556	UJ	0.556	UJ
Cadmium (Dissolved)	5	0.556	UJ	0.556	UJ	NA	0.5	UJ	0.556	UJ	0.556	UJ	0.556	UJ	0.556	UJ	0.556	UJ	0.556	UJ
Calcium	~	67,000		65,000		NA	149,000		50,900		104,000		71,600		19,400		18,200		146,000	
Calcium (Dissolved)	~	91,100		64,200		NA	162,000		45,500		103,000		71,100	J	17,100		17,300		105,000	
Chromium, Hexavalent	50	10	UJ	10	U	NA	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chromium, Total	50	5.56	U	5.56	U	NA	5	U	8.22		5.71		5.56	U	5.56	U	7.93		6.49	
Chromium, Total (Dissolved)	50	5.56	U	5.56	U	NA	5	U	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
Chromium, Trivalent	~	10	U	10	U	NA	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Cobalt	~	4.44	U	4.44	U	NA	4	U	4.44	U	4.44	U	4.44	U	4.44	U	4.44	U	4.44	U
Cobalt (Dissolved)	~	4.44	U	4.44	U	NA	4	U	4.44	U	4.44	U	4.44	U	4.44	U	4.44	U	4.44	U
Copper	200	22.2	U	22.2	U	NA	20	U	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U	28.9	
Copper (Dissolved)	200	22.2	U	22.2	U	NA	20	U	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U
Cyanide	200	10	U	10	U	NA	10	U	10	U	10	U	10	U	16		11.6		10	U
Iron	300	278	U	**5,840**		NA	**758**		**6,960**		**1,400**		**3,200**		**926**		**834**		**2,300**	
Iron (Dissolved)	300	278	U	**6,360**		NA	250	U	**535**		**659**		**3,090**		278	U	278	U	278	U
Lead	25	5.56	U	14		NA	8.62		**26.7**		5.56	U	5.56	UJ	**68.8**		**69.2**		**92.3**	
Lead (Dissolved)	25	5.56	UJ	8.84		NA	5	U	5.56	U	5.56	U	5.56	UJ	**35.4**		**49.1**		5.56	U
Magnesium	35,000	508		5,090		NA	12,000		18,200		**136,000**		**125,000**		249		242		1,140	
Magnesium (Dissolved)	35,000	378		4,790		NA	12,200		16,600		**134,000**		**124,000**	J	145		133		55.6	U
Manganese	300	5.56	U	225		NA	72.8		**380**		**1,220**		**709**		19.3		18.5		34.3	
Manganese (Dissolved)	300	6		215		NA	62.1		168		**1,180**		**712**	J	8.99		10.2		5.56	U
Mercury	0.7	0.2	U	0.2	U	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2		0.4	
Mercury (Dissolved)	0.7	0.2	U	0.2	U	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	
Nickel	100	11.1	U	11.1	U	NA	10	U	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
Nickel (Dissolved)	100	11.1	U	11.1	U	NA	10	U	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
Potassium	~	18,400	B	19,200	B	NA	39,000	B	66,900	B	62,600	B	53,600	B	17,100	B	16,300	B	59,100	B
Potassium (Dissolved)	~	19,600	B	18,600		NA	40,000	B	68,400	B	62,600	B	53,300	J	15,700		15,800		44,800	
Selenium	10	1.11	UJ	1.11	U	NA	3.37	J	2.98		2.3		1.56	J	1.2		1.22		1.73	
Selenium (Dissolved)	10	1.62	J	1.11	U	NA	3.83	J	2.62		2.06		2.03	J	1.11	U	1.11	U	1.11	U
Silver	50	5.56	UJ	5.56	U	NA	5	U	5.56	UJ	5.56	UJ	5.56	UJ	5.56	U	5.56	U	5.56	U
Silver (Dissolved)	50	5.56	UJ	5.56	UJ	NA	5	U	5.56	UJ	5.56	UJ	5.56	UJ	5.56	UJ	5.56	UJ	5.56	UJ
Sodium	20,000	**86,900**		**28,500**	J	NA	**386,000**		**149,000**		**1,240,000**		**1,230,000**		**25,000**	J	**23,000**	J	**55,500**	J
Sodium (Dissolved)	20,000	**92,000**		**27,600**		NA	**411,000**		**143,000**	J	**1,110,000**	J	**1,210,000**	J	**22,300**		**22,400**		**41,000**	
Thallium	0.5	*1.11*	U	*1.11*	U	NA	*1*	UJ	*1.11*	U	*1.11*	U	*1.11*	U	*1.11*	U	*1.11*	UJ	*1.11*	U
Thallium (Dissolved)	0.5	*1.11*	U	*1.11*	U	NA	*1*	UJ	*1.11*	U	*1.11*	U	*1.11*	UJ	*1.11*	U	*1.11*	U	*1.11*	U
Vanadium	~	11.1	U	11.1	U	NA	10	U	19.8		11.1	U	11.1	U	15.4		15.3		12.2	
Vanadium (Dissolved)	~	11.1	U	11.1	U	NA	10	U	11.1	U	11.1	U	11.1	U	11.9		13.2		11.1	U
Zinc	2,000	27.8	U	31.4		NA	25	U	39.1		27.8	U	29.6		41.3		41		82.2	
Zinc (Dissolved)	2,000	27.8	U	27.8	U	NA	25	U	27.8	U	59.9		27.8	U	27.8	U	31.2		27.8	U

Notes provided on Page 5.

Table 4A
Remedial Investigation Report
Groundwater Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Notes:

1. Groundwater 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 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
2. Criterion comparisons for total xylenes and m,p-xylene are provided for reference. Promulgated NYSDEC SGVs are for o-xylene, m-xylene, and p-xylene.
3. Detected analytical results above NYSDEC SGVs are bolded and shaded.
4. Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
5. Sample GWDUP01_031221 is a duplicate sample of MW11_031221.
6. ~ = Regulatory limit for this analyte does not exist
7. µg/l = micrograms per liter
8. NA = Not analyzed

Qualifiers:

D = The concentration reported is a result of a diluted sample.
B = The analyte was found in the associated analysis batch blank.
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 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.

Table 4B
Remedial Investigation Report
Groundwater Sample Analytical Results - Emerging Contaminants

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Location		MW02		MW03		MW04		MW04	MW06		MW10		MW10D		MW11		MW11		MW12	
Sample ID	January 2021	MW02_031821		MW03_031221		MW04_031921		MW04_032421	MW06_031821		MW10_031821		MW10D_031921		MW11_031221		GWDUP01_031221		MW12_031221	
Laboratory ID	Guidance Values	21C0945-01		21C0665-01		21C0975-03		21C1199-01	21C0907-02		21C0907-01		21C0975-04		21C0665-02		21C0665-04		21C0665-03	
Sample Date		3/18/2021		3/12/2021		3/19/2021		3/24/2021	3/18/2021		3/18/2021		3/19/2021		3/12/2021		3/12/2021		3/12/2021	
Semivolatile Organic Compounds (ng/L)																				
1,4-Dioxane (P-Dioxane)	1,000	300	U	300	U	NA		**30,500**	752		416		464		300	U	300	U	300	U
Per and Polyfluoroalkyl Substances (ng/L)																				
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	12		13.6		0.906	U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	0.954	U	0.906	U	0.906	U
Perfluorobutanesulfonic Acid (PFBS)	100	4.55	J	0.899	U	4.77	J	NA	4.7	U	3.88		0.954	U	0.954	U	0.906	U	2.34	
Perfluorobutanoic acid (PFBA)	100	45.5	J	12		2.21	UJ	NA	48.8	J	3.32		1.42		0.954	U	1.12		14.4	J
Perfluorodecanesulfonic Acid (PFDS)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	0.954	U	0.906	U	0.906	U
Perfluorodecanoic Acid (PFDA)	100	2	UJ	1.24		10.8	J	NA	4.7	U	4.26		0.954	U	2.54		2.28		2.21	
Perfluorododecanoic Acid (PFDoA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	0.954	U	0.906	U	0.906	U
Perfluoroheptanesulfonic Acid (PFHpS)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	0.954	U	0.906	U	0.906	U
Perfluoroheptanoic acid (PFHpA)	100	15.6	J	6.43		20.8	J	NA	17.5	D	5.83		0.954	U	3.81		3.39		6.77	
Perfluorohexanesulfonic Acid (PFHxS)	100	4.75	J	0.899	U	6.07	J	NA	5.6	D	1.32		0.954	U	0.954	U	0.906	U	0.906	U
Perfluorohexanoic Acid (PFHxA)	100	37.5	J	12.7		37.2	J	NA	21.9	D	11.6		0.954	U	4.61		5.1		11.3	
Perfluorononanoic Acid (PFNA)	100	4.94	J	1.5		17.8	J	NA	4.7	U	2.04		0.954	U	1.08		1.08		2.25	
Perfluorooctanesulfonamide (FOSA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	1.36	J	0.919	J	0.906	UJ
Perfluorooctanesulfonic Acid (PFOS)	10	**33.1**	J	3.63		**51.8**	J	NA	8.74	D	**17.8**		0.987		7.08		6.15		7.59	
Perfluorooctanoic Acid (PFOA)	10	**80.5**	J	**10.5**		**122**	J	NA	**126**	D	**31.7**		1.46		**15.9**		**14.5**		**21.6**	
Perfluoropentanoic Acid (PFPeA)	100	3.04	J	11.1		26.3	J	NA	31.5	D	0.899	U	0.954	U	0.954	UJ	3.65		10.7	
Perfluorotetradecanoic Acid (PFTA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	11.4		0.954	U	0.906	U	0.906	U
Perfluorotridecanoic Acid (PFTrDA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	0.954	U	0.906	U	0.906	U
Perfluoroundecanoic Acid (PFUnA)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	2.25		0.954	U	0.954	U	0.906	U	0.906	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	100	2	UJ	0.899	U	2.21	UJ	NA	4.7	U	0.899	U	0.954	U	0.954	U	0.906	U	0.906	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	100	5	UJ	2.25	U	5.53	UJ	NA	11.7	U	2.25	U	2.39	U	2.39	U	2.26	U	2.26	U
Total PFAS	500	230		59.1		298		NA	260		84		15.3		48.4		51.8		79.2	

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) (January 2021) and the 1,4-Dioxane value reflects the drinking water maximum contaminant level (MCL) adopted by New York State for public water systems (July 2020). Pursuant to Part 375-1.7(f)(2), the NYSDEC will treat the MCL as relevant and appropriate and will consider this value in remedy selection.
2. Detected analytical results above NYSDEC January 2021 Guidance Values are bolded and shaded.
3. Sample GWDUP01_031221 is a duplicate sample of
4. ~ = Regulatory limit for this analyte does not exist
5. ng/l = nanograms per liter
6. NA = Not Analyzed

Qualifiers:
D = The concentration reported is a result of a diluted 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 (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.

Table 5
Soil Vapor Sample Results
Remedial Investigation Report

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No. 170430003

Location	AA01		SV02		SV03		SV03		SV05		SV06		SV07		SV08		SV09		SV12	
Sample ID	AA01_030521		SV02_030521		SV03_030921		SVDUP01_030921		SV05_030521		SV06_030521		SV07_030521		SV08_030521		SV09_030921		SV12_030521	
Laboratory ID	21C0350-01		21C0350-05		21C0455-01		21C0455-03		21C0350-04		21C0350-03		21C0350-06		21C0350-07		21C0455-02		21C0350-02	
Sample Date	3/5/2021		3/5/2021		3/9/2021		3/9/2021		3/5/2021		3/5/2021		3/5/2021		3/5/2021		3/9/2021		3/5/2021	
Sample Type	AA		SV		SV		SV		SV		SV		SV		SV		SV		SV	
Volatile Organic Compounds (µg/m³)																				
1,1,1,2-Tetrachloroethane	0.61	U	2.4	U	2.3	U	4.8	U	1.1	U	11	U	5.3	U	2.3	U	12	U	4.3	U
1,1,1-Trichloroethane	0.49	U	1.9	U	1.8	U	3.8	U	0.86	U	9.1	U	4.2	U	1.8	U	9.2	U	3.4	U
1,1,2,2-Tetrachloroethane	0.61	U	2.4	U	2.3	U	4.8	U	1.1	U	11	U	5.3	U	2.3	U	12	U	4.3	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68	U	2.7	U	2.6	U	5.3	U	1.2	U	13	U	6	U	2.6	U	13	U	4.8	U
1,1,2-Trichloroethane	0.49	U	1.9	U	1.8	U	3.8	U	0.86	U	9.1	U	4.2	U	1.8	U	9.2	U	3.4	U
1,1-Dichloroethane	0.36	U	1.4	U	1.4	U	2.8	U	0.63	U	6.7	U	3.2	U	1.4	U	6.8	U	2.5	U
1,1-Dichloroethene	0.088	U	0.35	U	0.33	U	0.69	U	0.16	U	1.6	U	0.77	U	0.33	U	1.7	U	0.62	U
1,2,4-Trichlorobenzene	0.66	U	2.6	U	2.5	U	5.2	U	1.2	U	12	U	5.8	U	2.5	U	12	U	4.6	U
1,2,4-Trimethylbenzene	0.44	U	6.6	D	4	D	3.4	U	0.77	U	58	D	40	D	2.1	D	8.3	U	3.1	U
1,2-Dibromoethane (Ethylene Dibromide)	0.68	U	2.7	U	2.6	U	5.4	U	1.2	U	13	U	6	U	2.6	U	13	U	4.8	U
1,2-Dichlorobenzene	0.54	U	2.1	U	2	U	4.2	U	0.94	U	10	U	4.7	U	2	U	10	U	3.7	U
1,2-Dichloroethane	0.36	U	1.4	U	1.4	U	2.8	U	0.63	U	6.7	U	3.2	U	1.4	U	6.8	U	2.5	U
1,2-Dichloropropane	0.41	U	1.6	U	1.6	U	3.2	U	0.72	U	7.7	U	3.6	U	1.5	U	7.8	U	2.9	U
1,2-Dichlorotetrafluoroethane	0.62	U	2.5	U	2.4	U	4.9	U	1.1	U	12	U	5.4	U	2.3	U	12	U	4.4	U
1,3,5-Trimethylbenzene (Mesitylene)	0.44	U	5.7	D	1.7	U	3.4	U	0.77	U	51	D	39	D	2.3	D	8.3	U	3.1	U
1,3-Butadiene	0.59	U	2.3	U	2.2	U	4.6	U	1	U	11	U	5.2	U	2.2	U	11	U	4.1	U
1,3-Dichlorobenzene	0.54	U	2.1	U	2	U	4.2	U	0.94	U	10	U	4.7	U	2	U	10	U	3.7	U
1,3-Dichloropropane	0.41	U	1.6	U	1.6	U	3.2	U	0.72	U	7.7	U	3.6	U	1.5	U	7.8	U	2.9	U
1,4-Dichlorobenzene	0.54	U	2.1	U	2	U	4.2	U	0.94	U	10	U	4.7	U	2	U	10	U	3.7	U
1,4-Dioxane (P-Dioxane)	0.64	U	2.5	U	2.4	U	5	U	1.1	U	12	U	5.6	U	2.4	U	12	U	4.5	U
2-Hexanone	0.73	U	100	D	64	D	54	D	2.6	D	14	U	78	D	25	D	420	D	120	D
4-Ethyltoluene	0.44	U	8.5	D	4	D	3.4	U	0.77	U	83	D	51	D	2.3	D	8.3	U	3.1	U
Acetone	2.4	D	210	D	120	D	110	D	19	D	7.9	U	220	D	49	D	1,300	D	230	D
Acrylonitrile	0.19	U	0.76	U	0.73	U	1.5	U	0.34	U	3.6	U	1.7	U	0.73	U	3.7	U	1.4	U
Allyl Chloride (3-Chloropropene)	1.4	U	5.5	U	5.3	U	11	U	2.5	U	26	U	12	U	5.2	U	26	U	9.8	U
Benzene	0.46	D	16	D	140	J	97	J	0.5	U	5,300	D	140	D	49	D	5.4	U	2	U
Benzyl Chloride	0.46	U	1.8	U	1.7	U	3.6	U	0.81	U	8.6	U	4	U	1.7	U	8.7	U	3.2	U
Bromodichloromethane	0.6	U	2.4	U	2.3	U	4.7	U	1.1	U	11	U	5.2	U	2.2	U	11	U	4.2	U
Bromoethene	0.39	U	1.5	U	1.5	U	3.1	U	0.69	U	7.3	U	3.4	U	1.5	U	7.4	U	2.7	U
Bromoform	0.92	U	3.6	U	3.5	U	7.2	U	1.6	U	17	U	8.1	U	3.5	U	17	U	6.4	U
Bromomethane	0.35	U	1.4	U	1.3	U	2.7	U	0.61	U	6.5	U	3	U	1.3	U	6.5	U	2.4	U
Carbon Disulfide	0.28	U	8.3	D	13	D	10	D	0.49	U	74	D	45	D	1.8	D	5.2	U	11	D
Carbon Tetrachloride	0.45	D	0.55	U	0.64	D	1.1	U	0.39	D	2.6	U	1.2	U	0.53	U	2.6	U	0.98	U
Chlorobenzene	0.41	U	1.6	U	1.5	U	3.2	U	0.72	U	7.7	U	3.6	U	1.5	U	7.7	U	2.9	U
Chloroethane	0.24	U	0.93	U	0.89	U	1.8	U	0.41	U	4.4	U	2.1	U	0.88	U	4.4	U	1.6	U
Chloroform	0.44	U	1.7	U	1.6	U	3.4	U	0.77	U	8.1	U	3.8	U	5.2	D	8.2	U	3	U
Chloromethane	0.98	D	0.73	U	2.1	D	1.4	U	0.97	D	3.4	U	1.6	U	0.69	U	3.5	U	1.3	U
Cis-1,2-Dichloroethene	0.088	U	0.35	U	0.33	U	0.69	U	0.16	U	1.6	U	0.77	U	0.33	U	1.7	U	0.62	U
Cis-1,3-Dichloropropene	0.4	U	1.6	U	1.5	U	3.2	U	0.71	U	7.5	U	3.5	U	1.5	U	7.6	U	2.8	U
Cyclohexane	0.31	U	14	D	210	J	71	J	38	D	17,000	D	220	D	350	D	8.7	D	2.1	U
Dibromochloromethane	0.76	U	3	U	2.9	U	5.9	U	1.3	U	14	U	6.6	U	2.9	U	14	U	5.3	U
Dichlorodifluoromethane	2.2	D	1.9	D	2.5	D	3.5	U	1.9	D	8.2	U	3.9	U	1.7	D	8.3	U	3.1	U
Ethyl Acetate	0.64	U	2.5	U	2.4	U	5	U	1.1	U	12	U	5.6	U	2.4	U	12	U	4.5	U
Ethylbenzene	0.39	U	52	D	14	D	15	D	0.68	U	570	D	300	D	32	D	8	D	4.3	D
Hexachlorobutadiene	0.95	U	3.7	U	3.6	U	7.4	U	1.7	U	18	U	8.3	U	3.6	U	18	U	6.6	U
Isopropanol	0.94	D	2.4	D	4.4	J	7.9	J	1.2	D	20	D	16	D	2.6	D	22	D	4.4	D
M,P-Xylene	0.77	U	110	D	47	D	60	D	1.4	U	1,000	D	570	D	53	D	35	D	20	D
Methyl Ethyl Ketone (2-Butanone)	0.39	D	650	D	400	D	350	D	47	D	4.9	U	600	D	180	D	6,700	D	830	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.37	U	2.7	D	1.4	U	2.9	U	0.64	U	6.8	U	3.2	U	1.4	U	6.9	U	4.3	D
Methyl Methacrylate	0.36	U	1.4	U	1.4	U	2.9	U	0.64	U	6.8	U	3.2	U	1.4	U	6.9	U	2.6	U
Methylene Chloride	2	D	2.4	U	26	J	16	J	2.3	D	12	U	5.4	U	2.3	U	12	U	4.3	U
n-Heptane	0.37	U	60	D	100	J	41	J	9.7	D	17,000	D	650	D	590	D	41	D	6.6	D
n-Hexane	0.35	D	32	D	380	J	140	J	41	D	49,000	D	410	D	440	D	38	D	9	D
o-Xylene (1,2-Dimethylbenzene)	0.39	U	20	D	27	D	34	D	0.68	U	120	D	71	D	12	D	28	D	15	D
Propylene	0.15	U	70	D	48	D	37	D	13	D	2.9	U	1.3	U	39	D	430	D	160	D
Styrene	0.38	U	3.7	D	4.2	D	3.3	D	0.67	U	7.1	U	3.3	U	1.9	D	7.2	U	2.7	D
Tert-Butyl Methyl Ether	0.32	U	1.3	U	1.2	U	2.5	U	0.57	U	6	U	2.8	U	1.2	U	6.1	U	2.2	U
Tetrachloroethene (PCE)	0.79	D	5.7	D	37	D	29	D	1.1	U	11	U	51	D	2.3	U	62	D	4.2	U
Tetrahydrofuran	0.53	U	2.1	U	2	U	4.1	U	0.92	U	9.8	U	4.6	U	2	U	9.9	U	3.7	U
Toluene	0.71	D	26	D	18	D	14	D	1	D	480	D	130	D	21	D	11	D	5.2	D
Trans-1,2-Dichloroethene	0.35	U	1.4	U	1.3	U	2.8	U	0.62	U	6.6	U	3.1	U	1.3	U	6.7	U	2.5	U
Trans-1,3-Dichloropropene	0.4	U	1.6	U	1.5	U	3.2	U	0.71	U	7.5	U	3.5	U	1.5	U	7.6	U	2.8	U
Trichloroethene (TCE)	0.12	U	0.47	U	0.45	U	0.94	U	0.21	U	2.2	U	1	U	0.45	U	2.3	U	0.84	U
Trichlorofluoromethane	1.2	D	2	U	1.9	D	3.9	U	0.97	D	9.3	U	4.4	U	1.9	U	9.5	U	3.5	U
Vinyl Acetate	0.31	U	1.2	U	1.2	U	2.5	U	0.55	U	5.9	U	2.7	U	1.2	U	5.9	U	2.2	U
Vinyl Chloride	0.11	U	0.45	U	0.43	U	0.89	U	0.2	U	2.1	U	1	U	0.43	U	2.2	U	0.8	U
Total BTEX	1		224		246		220		1		7,470		1,211		167		82		45	
Total VOCs	13		1,406		1,668		1,089		179		90,756		3,631		1,860		9,104		1,423	

Notes:
1. Ambient air sample analytical results are shown for reference only.
2. Only detected analytes are shown in the table.
3. Sample SVDUP01_030921 is a duplicate of parent sample SV03_030921.
4. – = Regulatory limit for this analyte does not exist
5. µg/m³ = micrograms per cubic meter
6. AA = Ambient Air
7. SV = Soil Vapor

Qualifiers:
D = The concentration reported is a result of a diluted sample.
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.

Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221		EC_FB02_030321		SO_FB01_030321		EC_FB03_030421		ECFB04_030521		SOFB02_030521		EC_SOFB05_030821		EC_FB06_030921		GWFB01_031221	
Laboratory ID	21C0110-08		21C0167-06		21C0167-05		21C0267-01		21C0344-09		21C0344-01		21C0404-01		21C0454-01		21C0665-05	
Sample Date	3/2/2021		3/3/2021		3/3/2021		3/4/2021		3/5/2021		3/5/2021		3/8/2021		3/9/2021		3/12/2021	
Sample Type	FB		FB		FB		FB		FB		FB		FB		FB		FB	
Volatile Organic Compounds (µg/L)																		
1,1,1,2-Tetrachloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,1,1-Trichloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,1,2,2-Tetrachloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,1,2-Trichloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,1-Dichloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,1-Dichloroethene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2,3-Trichlorobenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2,3-Trichloropropane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2,4-Trichlorobenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2,4-Trimethylbenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2-Dibromo-3-Chloropropane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2-Dibromoethane (Ethylene Dibromide)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2-Dichlorobenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2-Dichloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,2-Dichloropropane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,3,5-Trimethylbenzene (Mesitylene)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,3-Dichlorobenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,4-Dichlorobenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
1,4-Dioxane (P-Dioxane)	NA		NA		40	U	NA		NA		40	U	NA		NA		40	U
2-Hexanone (MBK)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Acetone	NA		NA		1	U	NA		NA		1	U	NA		NA		1	U
Acrolein	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Acrylonitrile	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Benzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Bromochloromethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Bromodichloromethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Bromoform	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Bromomethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Carbon Disulfide	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Carbon Tetrachloride	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Chlorobenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Chloroethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Chloroform	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Chloromethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Cis-1,2-Dichloroethene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Cis-1,3-Dichloropropene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Cyclohexane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Dibromochloromethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Dibromomethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Dichlorodifluoromethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Ethylbenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Hexachlorobutadiene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Isopropylbenzene (Cumene)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
M,P-Xylene	NA		NA		0.5	U	NA		NA		0.5	U	NA		NA		0.5	U
Methyl Acetate	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Methyl Ethyl Ketone (2-Butanone)	NA		NA		0.29	JB	NA		NA		0.62	B	NA		NA		0.82	JB
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Methylcyclohexane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Methylene Chloride	NA		NA		2.79		NA		NA		2.67		NA		NA		1.85	J
n-Butylbenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
n-Propylbenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
o-Xylene (1,2-Dimethylbenzene)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
p-Cymene (p-Isopropyltoluene)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Sec-Butylbenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Styrene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
T-Butylbenzene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Tert-Butyl Alcohol	NA		NA		0.5	U	NA		NA		0.5	U	NA		NA		0.95	J
Tert-Butyl Methyl Ether	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Tetrachloroethene (PCE)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Toluene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Total Xylenes	NA		NA		0.6	U	NA		NA		0.6	U	NA		NA		0.6	U
Trans-1,2-Dichloroethene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Trans-1,3-Dichloropropene	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Trichloroethene (TCE)	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Trichlorofluoromethane	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U
Vinyl Chloride	NA		NA		0.2	U	NA		NA		0.2	U	NA		NA		0.2	U

Notes provided on Page 9.

Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221	EC_FB02_030321	SO_FB01_030321	EC_FB03_030421	ECFB04_030521	SOFB02_030521	EC_SOFB05_030821	EC_FB06_030921	GWFB01_031221
Laboratory ID	21C0110-08	21C0167-06	21C0167-05	21C0267-01	21C0344-09	21C0344-01	21C0404-01	21C0454-01	21C0665-05
Sample Date	3/2/2021	3/3/2021	3/3/2021	3/4/2021	3/5/2021	3/5/2021	3/8/2021	3/9/2021	3/12/2021
Sample Type	FB	FB	FB	FB	FB	FB	FB	FB	FB
Semivolatile Organic Compounds (µg/L)									
1,2,4,5-Tetrachlorobenzene	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
1,2-Diphenylhydrazine	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
1,4-Dioxane (P-Dioxane)	NA	NA	0.3 U	NA	NA	0.3 U	NA	NA	0.3 U
2,3,4,6-Tetrachlorophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,4,5-Trichlorophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,4,6-Trichlorophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,4-Dichlorophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,4-Dimethylphenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,4-Dinitrophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,4-Dinitrotoluene	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2,6-Dinitrotoluene	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2-Chloronaphthalene	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2-Chlorophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2-Methylnaphthalene	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2-Methylphenol (o-Cresol)	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2-Nitroaniline	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
2-Nitrophenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
3 & 4 Methylphenol (m&p Cresol)	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
3,3'-Dichlorobenzidine	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
3-Nitroaniline	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4,6-Dinitro-2-Methylphenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4-Bromophenyl Phenyl Ether	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4-Chloro-3-Methylphenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4-Chloroaniline	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4-Chlorophenyl Phenyl Ether	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4-Nitroaniline	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
4-Nitrophenol	NA	NA	5.13 U	NA	NA	6.06 U	NA	NA	5.26 U
Acenaphthene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Acenaphthylene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Acetophenone	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Aniline (Phenylamine, Aminobenzene)	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Anthracene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Atrazine	NA	NA	0.513 U	NA	NA	0.606 U	NA	NA	0.526 U
Benzaldehyde	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Benzidine	NA	NA	5.13 U	NA	NA	6.06 U	NA	NA	5.26 U
Benzo(a)anthracene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Benzo(a)pyrene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Benzo(b)fluoranthene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Benzo(g,h,i)Perylene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Benzo(k)fluoranthene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Benzoic Acid	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Benzyl Alcohol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Benzyl Butyl Phthalate	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Biphenyl (Diphenyl)	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Bis(2-chloroethoxy) methane	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	NA	NA	1.03 U	NA	NA	1.21 U	NA	NA	1.05 U
Bis(2-chloroisopropyl) ether	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Bis(2-ethylhexyl) phthalate	NA	NA	0.513 U	NA	NA	0.606 U	NA	NA	0.6
Caprolactam	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Carbazole	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Chrysene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Dibenz(a,h)anthracene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Dibenzofuran	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Dibutyl phthalate	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Diethyl phthalate	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Dimethyl phthalate	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Dioctyl phthalate	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Diphenylamine	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Fluoranthene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Fluorene	NA	NA	0.164	NA	NA	0.0606 U	NA	NA	0.0526 U
Hexachlorobenzene	NA	NA	0.0205 U	NA	NA	0.0242 U	NA	NA	0.0211 U
Hexachlorobutadiene	NA	NA	0.513 U	NA	NA	0.606 U	NA	NA	0.526 U
Hexachlorocyclopentadiene	NA	NA	5.13 U	NA	NA	6.06 U	NA	NA	5.26 U
Hexachloroethane	NA	NA	0.513 U	NA	NA	0.606 U	NA	NA	0.526 U
Indeno(1,2,3-cd)pyrene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Isophorone	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Naphthalene	NA	NA	0.533 B	NA	NA	0.0606 U	NA	NA	0.0526 U
Nitrobenzene	NA	NA	0.256 U	NA	NA	0.303 U	NA	NA	0.263 U
n-Nitrosodimethylamine	NA	NA	0.513 U	NA	NA	0.606 U	NA	NA	0.526 U
n-Nitrosodi-N-Propylamine	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
n-Nitrosodiphenylamine	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Pentachlorophenol	NA	NA	0.256 U	NA	NA	0.303 U	NA	NA	0.263 U
Phenanthrene	NA	NA	0.0513 U	NA	NA	0.0606 U	NA	NA	0.0526 U
Phenol	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U
Pyrene	NA	NA	0.0615 B	NA	NA	0.0727	NA	NA	0.0526 U
Pyridine	NA	NA	2.56 U	NA	NA	3.03 U	NA	NA	2.63 U

Notes provided on Page 9.

Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221	EC_FB02_030321	SO_FB01_030321	EC_FB03_030421	ECFB04_030521	SOFB02_030521	EC_SOFB05_030821	EC_FB06_030921	GWFB01_031221
Laboratory ID	21C0110-08	21C0167-06	21C0167-05	21C0267-01	21C0344-09	21C0344-01	21C0404-01	21C0454-01	21C0665-05
Sample Date	3/2/2021	3/3/2021	3/3/2021	3/4/2021	3/5/2021	3/5/2021	3/8/2021	3/9/2021	3/12/2021
Sample Type	FB	FB	FB	FB	FB	FB	FB	FB	FB
Pesticides (µg/L)									
4,4'-DDD	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
4,4'-DDE	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
4,4'-DDT	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Aldrin	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Alpha BHC (Alpha Hexachlorocyclohexane)	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Alpha Chlordane	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Alpha Endosulfan	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Beta Bhc (Beta Hexachlorocyclohexane)	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Beta Endosulfan	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Chlordane (alpha and gamma)	NA	NA	0.2 U	NA	NA	0.211 U	NA	NA	0.216 U
Delta Bhc (Delta Hexachlorocyclohexane)	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Dieldrin	NA	NA	0.002 U	NA	NA	0.00211 U	NA	NA	0.00216 U
Endosulfan Sulfate	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Endrin	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Endrin Aldehyde	NA	NA	0.01 U	NA	NA	0.0105 U	NA	NA	0.0108 U
Endrin Ketone	NA	NA	0.01 U	NA	NA	0.0105 U	NA	NA	0.0108 U
Gamma Bhc (Lindane)	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Gamma-Chlordane	NA	NA	0.01 U	NA	NA	0.0105 U	NA	NA	0.0108 U
Heptachlor	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Heptachlor Epoxide	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Methoxychlor	NA	NA	0.004 U	NA	NA	0.00421 U	NA	NA	0.00432 U
Toxaphene	NA	NA	0.1 U	NA	NA	0.105 U	NA	NA	0.108 U
Herbicides (µg/L)									
2,4,5-T (Trichlorophenoxyacetic Acid)	NA	NA	5 U	NA	NA	5 U	NA	NA	5 U
2,4-D (Dichlorophenoxyacetic Acid)	NA	NA	5 U	NA	NA	5 U	NA	NA	5 U
Silvex (2,4,5-Tp)	NA	NA	5 U	NA	NA	5 U	NA	NA	5 U
Polychlorinated Biphenyls (µg/L)									
PCB-1016 (Aroclor 1016)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1221 (Aroclor 1221)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1232 (Aroclor 1232)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1242 (Aroclor 1242)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1248 (Aroclor 1248)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1254 (Aroclor 1254)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1260 (Aroclor 1260)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1262 (Aroclor 1262)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
PCB-1268 (Aroclor 1268)	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U
Total PCBs	NA	NA	0.05 U	NA	NA	0.0526 U	NA	NA	0.0541 U

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Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221		EC_FB02_030321		SO_FB01_030321		EC_FB03_030421		ECFB04_030521		SOFB02_030521		EC_SOFB05_030821		EC_FB06_030921		GWFB01_031221	
Laboratory ID	21C0110-08		21C0167-06		21C0167-05		21C0267-01		21C0344-09		21C0344-01		21C0404-01		21C0454-01		21C0665-05	
Sample Date	3/2/2021		3/3/2021		3/3/2021		3/4/2021		3/5/2021		3/5/2021		3/8/2021		3/9/2021		3/12/2021	
Sample Type	FB		FB		FB		FB		FB		FB		FB		FB		FB	
Inorganics (µg/L)																		
Aluminum	NA		NA		55.6	U	NA		NA		55.6	U	NA		NA		55.6	U
Aluminum (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		55.6	U
Antimony	NA		NA		1.11	U	NA		NA		1.11	U	NA		NA		1.11	U
Antimony (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		1.11	U
Arsenic	NA		NA		1.11	U	NA		NA		1.11	U	NA		NA		1.11	U
Arsenic (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		1.11	U
Barium	NA		NA		27.8	U	NA		NA		27.8	U	NA		NA		27.8	U
Barium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		27.8	U
Beryllium	NA		NA		0.333	U	NA		NA		0.333	U	NA		NA		0.333	U
Beryllium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		0.333	U
Cadmium	NA		NA		0.556	U	NA		NA		0.556	U	NA		NA		0.556	U
Cadmium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		0.556	U
Calcium	NA		NA		55.6	U	NA		NA		55.6	U	NA		NA		120	
Calcium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		56.2	
Chromium, Hexavalent	NA		NA		10	U	NA		NA		10	U	NA		NA		10	U
Chromium, Total	NA		NA		5.56	U	NA		NA		5.56	U	NA		NA		5.56	U
Chromium, Total (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		5.56	U
Chromium, Trivalent	NA		NA		10	U	NA		NA		10	U	NA		NA		10	U
Cobalt	NA		NA		4.44	U	NA		NA		4.44	U	NA		NA		4.44	U
Cobalt (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		4.44	U
Copper	NA		NA		22.2	U	NA		NA		22.2	U	NA		NA		22.2	U
Copper (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		22.2	U
Cyanide	NA		NA		10	U	NA		NA		10	U	NA		NA		10	U
Iron	NA		NA		278	U	NA		NA		278	U	NA		NA		278	U
Iron (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		278	U
Lead	NA		NA		5.56	U	NA		NA		5.56	U	NA		NA		5.56	U
Lead (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		5.56	U
Magnesium	NA		NA		55.6	U	NA		NA		55.6	U	NA		NA		55.6	U
Magnesium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		55.6	U
Manganese	NA		NA		5.56	U	NA		NA		5.56	U	NA		NA		5.56	U
Manganese (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		5.56	U
Mercury	NA		NA		0.2	B	NA		NA		0.2	U	NA		NA		0.2	U
Mercury (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		0.2	U
Nickel	NA		NA		11.1	U	NA		NA		11.1	U	NA		NA		11.1	U
Nickel (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		11.1	U
Potassium	NA		NA		191	B	NA		NA		55.6	U	NA		NA		116	B
Potassium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		55.6	U
Selenium	NA		NA		1.11	U	NA		NA		1.11	U	NA		NA		1.11	U
Selenium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		1.11	U
Silver	NA		NA		5.56	U	NA		NA		5.56	U	NA		NA		5.56	U
Silver (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		5.56	U
Sodium	NA		NA		556	U	NA		NA		556	U	NA		NA		556	U
Sodium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		556	U
Thallium	NA		NA		1.11	U	NA		NA		1.11	U	NA		NA		1.11	U
Thallium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		1.11	U
Vanadium	NA		NA		11.1	U	NA		NA		11.1	U	NA		NA		11.1	U
Vanadium (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		11.1	U
Zinc	NA		NA		27.8	U	NA		NA		27.8	U	NA		NA		27.8	U
Zinc (Dissolved)	NA		NA		NA		NA		NA		NA		NA		NA		27.8	U
Per and Polyfluoroalkyl Substances (µg/L)																		
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorobutanesulfonic Acid (PFBS)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorobutanoic acid (PFBA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorodecanesulfonic Acid (PFDS)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorodecanoic Acid (PFDA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorododecanoic Acid (PFDoA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluoroheptanesulfonic Acid (PFHpS)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluoroheptanoic acid (PFHpA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorohexanesulfonic Acid (PFHxS)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorohexanoic Acid (PFHxA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorononanoic Acid (PFNA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorooctanesulfonamide (FOSA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorooctanesulfonic Acid (PFOS)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorooctanoic Acid (PFOA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluoropentanoic Acid (PFPeA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorotetradecanoic Acid (PFTA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluorotridecanoic Acid (PFTrDA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Perfluoroundecanoic Acid (PFUnA)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.00188	U	0.000962	U	NA		0.001	U	0.000988	U	NA		0.000977	U	0.001	U	0.00195	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0047	U	0.0024	U	NA		0.0025	U	0.00247	U	NA		0.00244	U	0.0025	U	0.00488	U

Notes provided on Page 9.

Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221	EC_FB07_031821	GW_FB02_031821	EC_FB08_031921	TB01_030321_20210303	TRIP BLANK_20210305	TRIP BLANK_031221	TB03_031921	TB04_031921
Laboratory ID	21C0110-08	21C0907-03	21C0907-04	21C0975-01	21C0167-07	21C0344-10	21C0665-06	21C0945-02	21C0975-02
Sample Date	3/2/2021	3/18/2021	3/18/2021	3/19/2021	3/3/2021	3/5/2021	3/12/2021	3/19/2021	3/19/2021
Sample Type	FB	FB	TB	FB	TB	TB	TB	TB	TB
Volatile Organic Compounds (µg/L)									
1,1,1,2-Tetrachloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichloropropane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-Chloropropane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dioxane (P-Dioxane)	NA	NA	40 U	NA	40 U	40 U	40 U	40 U	40 U
2-Hexanone (MBK)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	NA	NA	4.52	NA	1 U	1 U	1 U	1 U	1 U
Acrolein	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	NA	NA	0.21 J	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	NA	NA	0.31 J	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cis-1,2-Dichloroethene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cyclohexane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene (Cumene)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
M,P-Xylene	NA	NA	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl Ethyl Ketone (2-Butanone)	NA	NA	0.89 JB	NA	0.41 JB	0.35 JB	0.75 JB	0.32 JB	0.82 JB
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylcyclohexane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	NA	NA	1.1 J	NA	1 U	1 U	1.37 J	1 U	1 U
n-Butylbenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene (1,2-Dimethylbenzene)	NA	NA	0.22 J	NA	0.2 U	0.2 U	0.2 U	0.4 J	0.2 U
p-Cymene (p-Isopropyltoluene)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sec-Butylbenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
T-Butylbenzene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tert-Butyl Alcohol	NA	NA	0.5 U	NA	0.5 U	0.5 U	0.55 J	0.5 U	2.07
Tert-Butyl Methyl Ether	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	NA	NA	0.91	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Xylenes	NA	NA	0.69 J	NA	0.6 U	0.6 U	0.6 U	0.88 J	0.6 U
Trans-1,2-Dichloroethene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trans-1,3-Dichloropropene	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Notes provided on Page 9.

Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221	EC_FB07_031821	GW_FB02_031821	EC_FB08_031921	TB01_030321_20210303	TRIP BLANK_20210305	TRIP BLANK_031221	TB03_031921	TB04_031921
Laboratory ID	21C0110-08	21C0907-03	21C0907-04	21C0975-01	21C0167-07	21C0344-10	21C0665-06	21C0945-02	21C0975-02
Sample Date	3/2/2021	3/18/2021	3/18/2021	3/19/2021	3/3/2021	3/5/2021	3/12/2021	3/19/2021	3/19/2021
Sample Type	FB	FB	TB	FB	TB	TB	TB	TB	TB
Semivolatile Organic Compounds (ug/L)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3 & 4 Methylphenol (m&p Cresol)	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline (Phenylamine, Aminobenzene)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl (Diphenyl)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy) methane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl) ether	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dioctyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 6
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221	EC_FB07_031821	GW_FB02_031821	EC_FB08_031921	TB01_030321_20210303	TRIP BLANK_20210305	TRIP BLANK_031221	TB03_031921	TB04_031921
Laboratory ID	21C0110-08	21C0907-03	21C0907-04	21C0975-01	21C0167-07	21C0344-10	21C0665-06	21C0945-02	21C0975-02
Sample Date	3/2/2021	3/18/2021	3/18/2021	3/19/2021	3/3/2021	3/5/2021	3/12/2021	3/19/2021	3/19/2021
Sample Type	FB	FB	TB	FB	TB	TB	TB	TB	TB
Pesticides (µg/L)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha Endosulfan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta Endosulfan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Bhc (Lindane)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides (µg/L)									
2,4,5-T (Trichlorophenoxyacetic Acid)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-Tp)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (µg/L)									
PCB-1016 (Aroclor 1016)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1262 (Aroclor 1262)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1268 (Aroclor 1268)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA

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QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Sample ID	EC_FB01_030221	EC_FB07_031821	GW_FB02_031821	EC_FB08_031921	TB01_030321_20210303	TRIP BLANK_20210305	TRIP BLANK_031221	TB03_031921	TB04_031921
Laboratory ID	21C0110-08	21C0907-03	21C0907-04	21C0975-01	21C0167-07	21C0344-10	21C0665-06	21C0945-02	21C0975-02
Sample Date	3/2/2021	3/18/2021	3/18/2021	3/19/2021	3/3/2021	3/5/2021	3/12/2021	3/19/2021	3/19/2021
Sample Type	FB	FB	TB	FB	TB	TB	TB	TB	TB
Inorganics (µg/L)									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Trivalent	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Per and Polyfluoroalkyl Substances (µg/L)									
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorobutanesulfonic Acid (PFBS)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorodecanesulfonic Acid (PFDS)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorodecanoic Acid (PFDA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorododecanoic Acid (PFDoA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorohexanesulfonic Acid (PFHxS)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorohexanoic Acid (PFHxA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorononanoic Acid (PFNA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorooctanesulfonamide (FOSA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorooctanesulfonic Acid (PFOS)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorooctanoic Acid (PFOA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluoropentanoic Acid (PFPeA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorotetradecanoic Acid (PFTA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluorotridecanoic Acid (PFTrDA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Perfluoroundecanoic Acid (PFUnA)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.00188	0.00195 U	NA	0.00188 U	NA	NA	NA	NA	NA
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0047	0.00488 U	NA	0.0047 U	NA	NA	NA	NA	NA

Notes provided on Page 9.

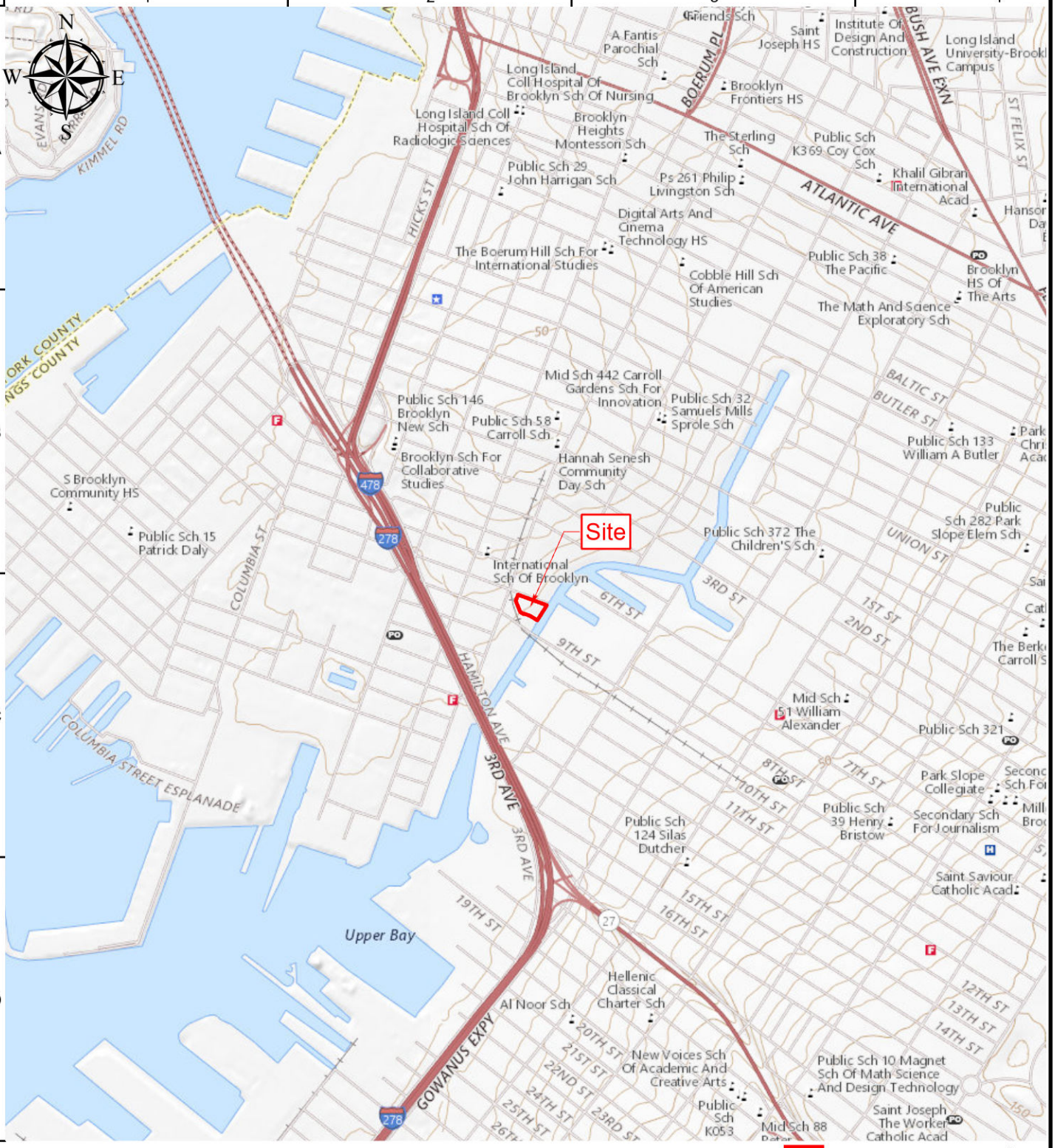
Table 4
Remedial Investigation Report
QAQC Sample Analytical Results

240 Huntington Street
Brooklyn, New York
NYSDEC BCP Site No.: C224314
Langan Project No.: 170430003

Notes:
1. µg/L = micrograms per liter
2. FB = Field Blank
3. TB = Trip Blank
4. NA = Not Analyzed

Qualifiers:
B = The analyte was found in the associated analysis batch blank.
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
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.

FIGURES



BASEMAP SOURCE: BROOKLYN, 7.5-MINUTE SERIES, TOPOGRAPHIC QUADRANGLE MAPS, DATED 2019.

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Collectively known as Langan

Project
240 HUNTINGTON STREET
BLOCK No. 477, LOT No. 8
BROOKLYN NEW YORK

Figure Title
SITE LOCATION MAP

Project No. 170430001	Figure No. 1
Date 6/9/2021	
Scale 1"=1,500'	
Drawn By TZ	
	Sheet 1 of 11

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Legend

Approximate Site Boundary

NOTES:
1. BASE MAP REFERENCED FROM ORDER NO. 112129-B, PREPARED BY BLD LAND SURVEYORS LLP, DATED DECEMBER 18, 2019

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Figure Title
SITE PLAN

Project No. 170430001	Figure No. 2
Date 6/10/2021	
Scale 1"=100'	
Drawn By TZ	Sheet 2 of 11

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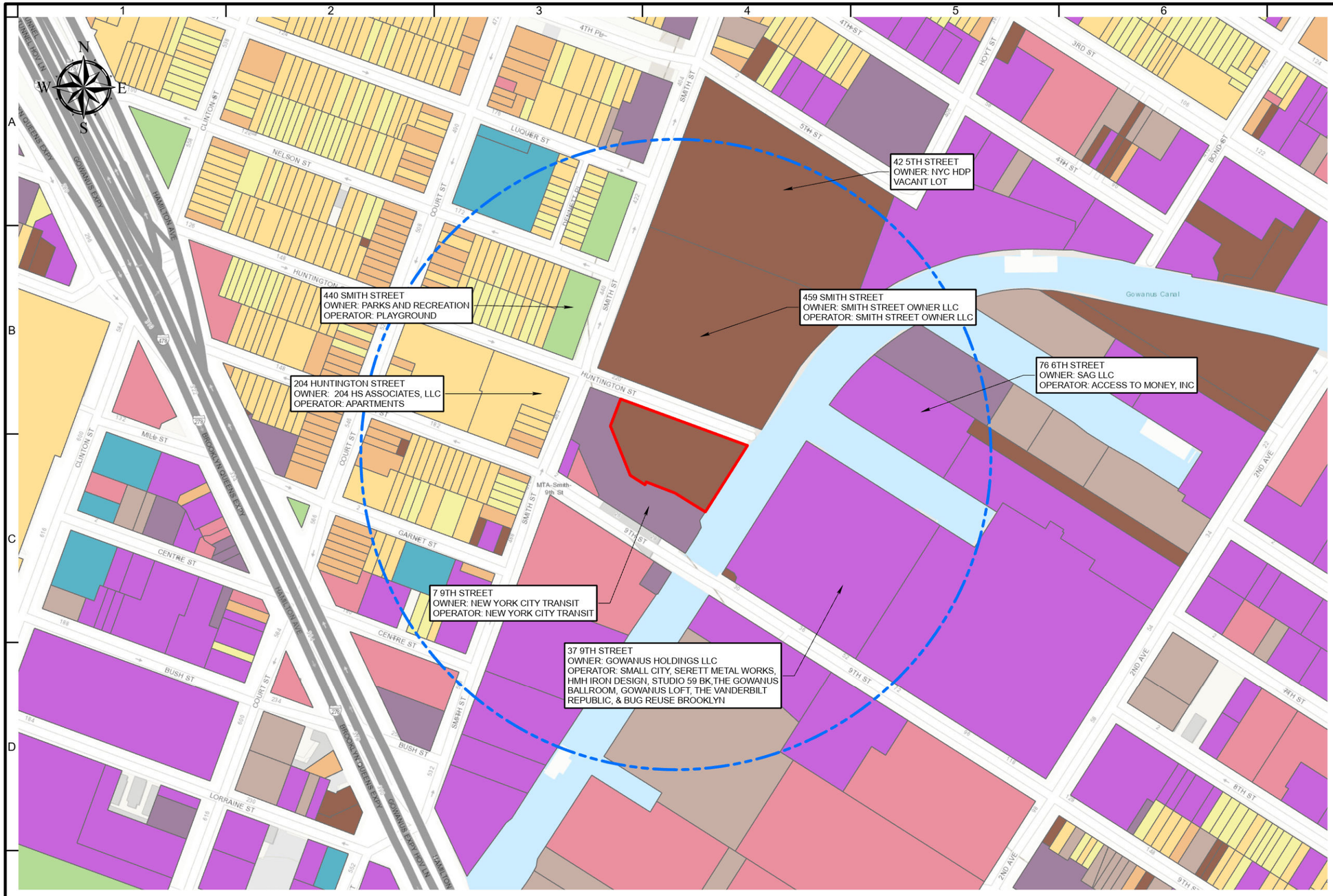

Legend

- Approximate Site Boundary
- 1000-FT Boundary
- 1 & 2 FAMILY RESIDENTIAL
- MULTIFAMILY RESIDENTAL
- MIXED USE
- COMMERCIAL
- INDUSTRIAL
- TRANSPORTATION/UTILITIES
- INSTITUTIONS
- OPEN SPACE & OUTDOOR RECREATION
- PARKING
- VACANT LOTS

NOTES:
1. BASE MAP REFERENCED FROM WWW.OASISNYC.NET ON JUNE 5, 2018.
2. OWNER AND OPERATOR INFORMATION WAS OBTAINED FROM WWW.OASISNYC.NET AND WWW.ACRIS-NYC.GOV. ON JUNE 5, 2018.

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Figure Title
SURROUNDING LAND USE MAP

Project No. 170430001	Figure No. 3
Date 6/9/2021	
Scale 1"=250'	
Drawn By TZ	Sheet 3 of 11

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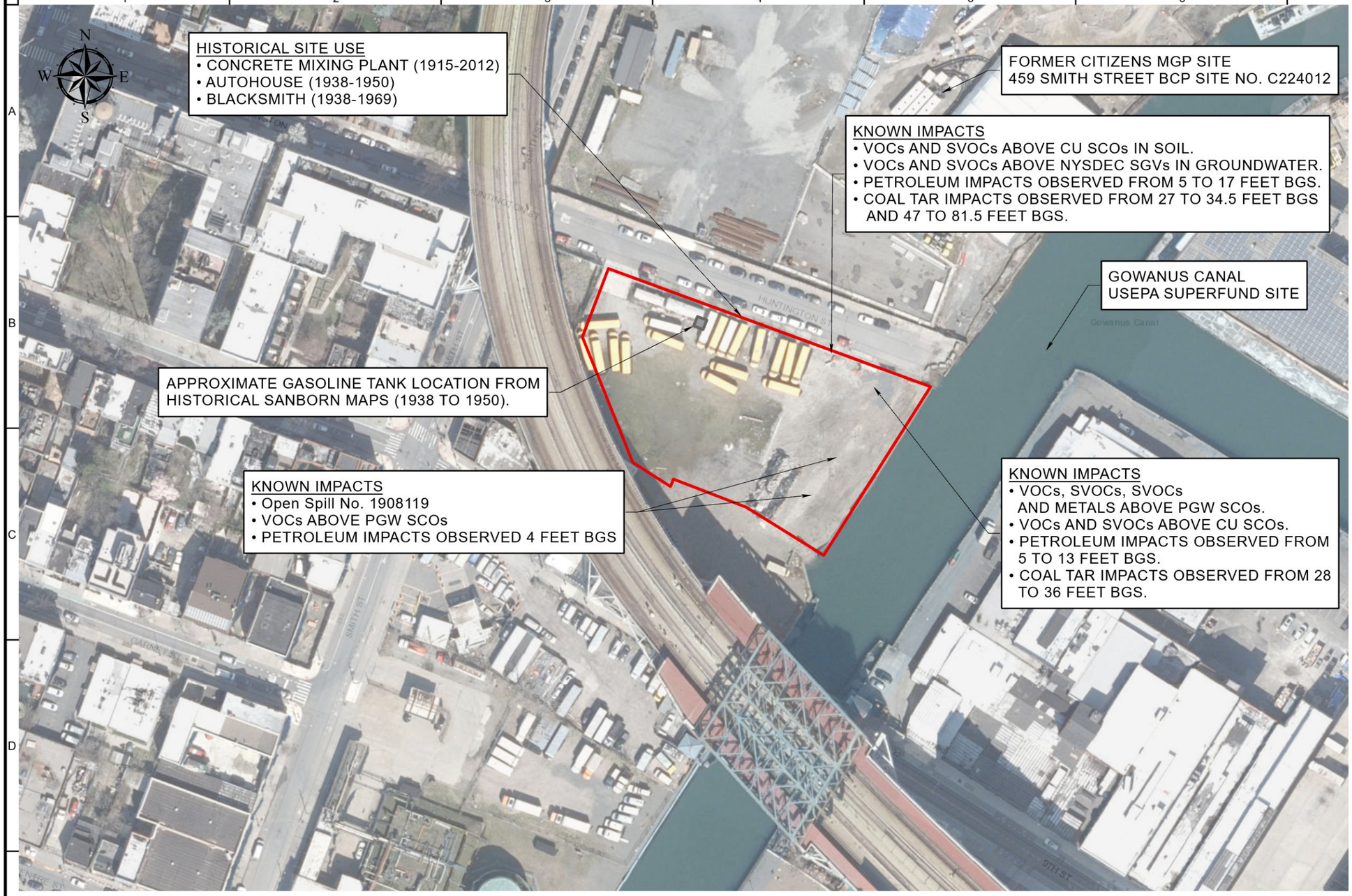

Legend

- Approximate Site Boundary
- Suspected Underground Storage Tank Location

NOTES:

1. WORLD STREET BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. PGW SCOS = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 PROTECTION OF GROUNDWATER (PGW) SOIL CLEANUP OBJECTIVES (SCOS)
3. CU SCOS = NYSDEC 6 NYCRR PART 375 COMMERCIAL USE (CU) SCOS
4. NYSDEC SGVS = 6 NYCRR PART 703.5 TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA DRINKING WATER.
5. VOC = VOLATILE ORGANIC COMPOUND
6. SVOC = SEMIVOLATILE ORGANIC COMPOUND
7. PID = PHOTOIONIZATION DETECTOR
8. MGP = MANUFACTURED GAS PLANT
9. BGS = BELOW GRADE SURFACE

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Figure Title
HISTORICAL SITE AND SURROUNDING PROPERTY USE MAP

Project No. 170430001	Figure No. 4
Date 6/9/2021	
Scale 1"=100'	
Drawn By TZ	Sheet 4 of 11

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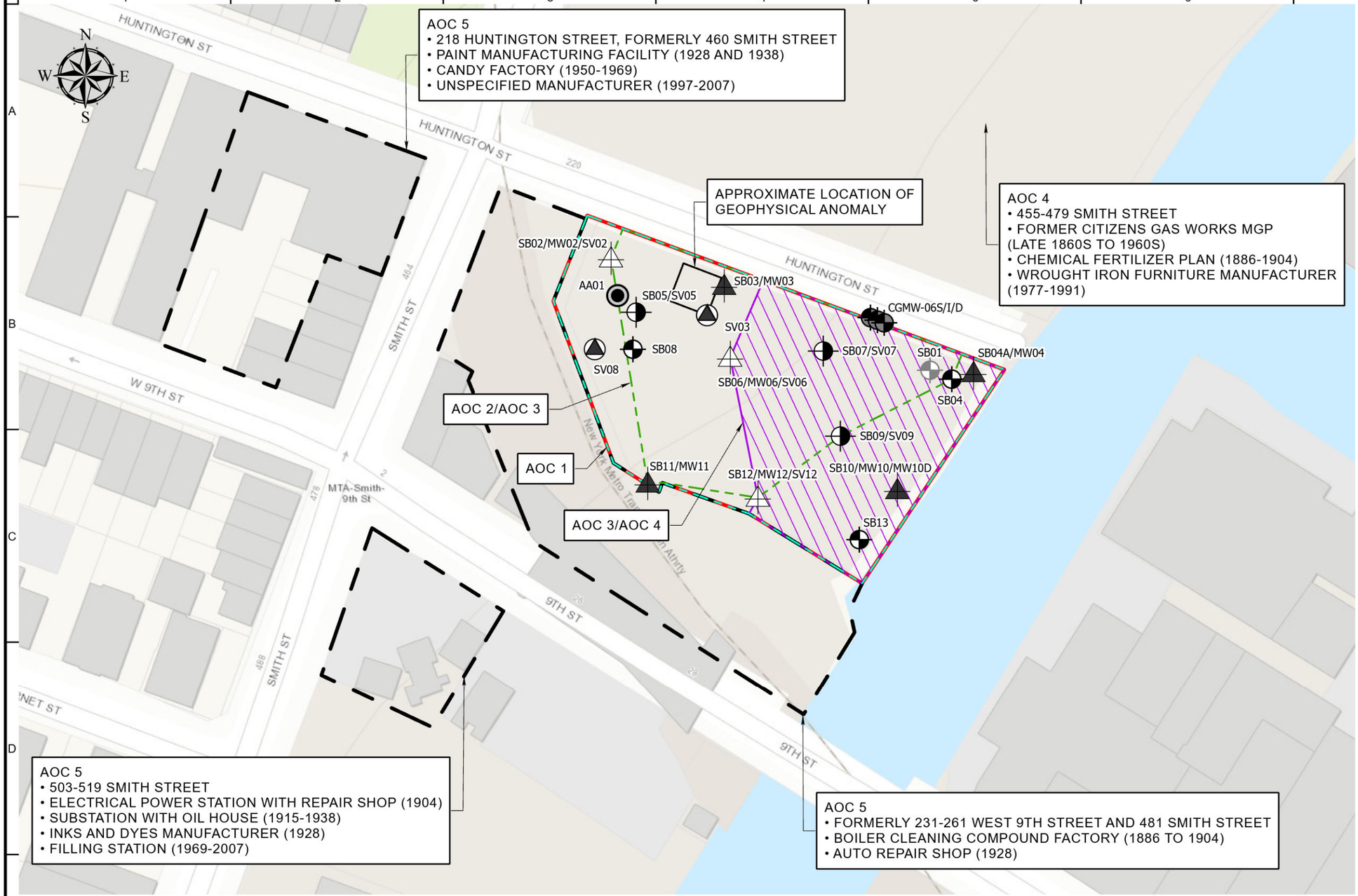

Legend

- Approximate Site Boundary

AOCs

- AOC 1
- AOC 2/AOC 3
- AOC 3/AOC 4
- AOC 5
- Approximate Location of Geophysical Anomaly

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Previous Soil Boring Location (Langan)
- Approximate Soil Boring/Monitoring Well/Soil Vapor Location
- Approximate Ambient Air Sample Location
- Approximate Soil Boring/Soil Vapor Location
- Approximate Soil Boring Location
- Approximate Soil Boring/Monitoring Well Location
- Approximate Soil Vapor Location

AOC 1: HISTORIC FILL
AOC 2: PETROLEUM BULK STORAGE
AOC 3: OPEN SPILL AND PETROLEUM IMPACTS AT THE WATER TABLE
AOC 4: MANUFACTURED GAS PLANT IMPACTS
AOC 5: OTHER POTENTIAL OFF-SITE SOURCES

NOTES:
1. WORLD STREET BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. ALL SAMPLE LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.
3. AOC = AREA OF CONCERN
4. NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988.

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Figure Title
AREA OF CONCERN AND SAMPLE LOCATION MAP

Project No. 170430001	Figure No. 5
Date 6/11/2021	
Scale 1"=80'	
Drawn By TZ	Sheet 5 of 11

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Legend

- Approximate Soil Boring/Monitoring Well/Soil Vapor Location
- Approximate Soil Boring/Monitoring Well Location
- Approximate Site Boundary
- Groundwater Elevation Contour

NOTES:
1. WORLD STREET BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. GROUNDWATER ELEVATIONS ARE IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. GROUNDWATER ELEVATION CONTOURS ARE INFERRED BASED ON MARCH 24, 2021 GAUGING DATA.
4. MONITORING WELL LOCATIONS WERE SURVEYED BY LANGAN ON MARCH 24, 2021.
5. ON APRIL 23, 2021, LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL) WAS OBSERVED IN MONITORING WELLS MW03 AND MW06, WITH PRODUCT THICKNESSES OF 0.01 AND 0.16 FEET, RESPECTIVELY. DENSE NON-AQUEOUS PHASE LIQUID (DNAPL) WAS ALSO OBSERVED AT THE BOTTOM OF WELL MW10D, WITH A MEASURED THICKNESS OF 1.14 FEET.

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Project
240 HUNTINGTON STREET
BLOCK No. 477, LOT No. 8
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Figure Title
GROUNDWATER ELEVATION CONTOUR MAP

Project No. 170430001	Figure No. 6
Date 6/9/2021	
Scale 1"=50'	
Drawn By MG	Sheet 6 of 11

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A NW

A' SE

LOT 1

PROJECT SITE

GOWANUS CANAL

SB02 SB05 SB03 SB06 SB07 SB04 SB04A

Fill

Alluvial/ Marsh Deposits

Glacial Outwash

Elevation (Feet, NAVD88)

Groundwater elevation observed at 6.58 feet bgs

Groundwater elevation observed at 6.05 feet bgs

Groundwater elevation observed at 5.19 feet bgs

Groundwater elevation observed at 2.16 feet bgs

Petroleum-like impacts (odor, staining, max. PID of 1,409 ppm) observed from 0 to 15 feet bgs

Petroleum-like impacts (odor, max. PID of 136.3 ppm) observed from 0 to 10 feet bgs

Petroleum-like impacts (staining, max. PID of 1,013 ppm) observed from 7 to 8 feet bgs

Petroleum-like impacts (odor, max. PID of 15,000 ppm) observed from 0 to 15 feet bgs

Coal tar-like impacts (staining, sheen, max. PID of 83.9 ppm) observed from 34.5 to 40 and 58 to 59 feet bgs

Coal tar-like impacts (odor, staining, sheen, max. PID of 110.0 ppm) observed from 58 to 59 feet bgs

Petroleum-like impacts (odor, staining, max. PID of 8,675 ppm) observed from 5 to 10 feet bgs

Petroleum-like impacts (odor, staining, max. PID of 119.7 ppm) observed from 12 to 13 feet bgs

Creosote-like impacts (odor, max. PID of 40.3 ppm) observed from 9.25 to 10 feet bgs

Petroleum-like impacts (odor, max. PID of 40.3 ppm) observed from 12 to 15 feet bgs

Coal tar-like impacts (odor, staining, max. PID of 709.5 ppm) observed from 29.5 to 30 feet bgs

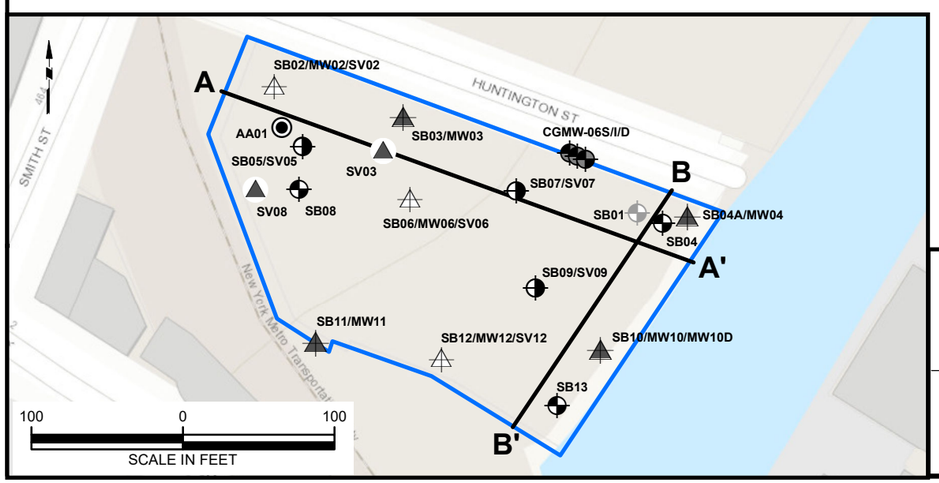
Coal tar-like impacts (odor, staining, max. PID of 449.5 ppm) observed from 32 to 33 feet bgs

Coal tar-like impacts (odor, staining, max. PID of 529.9 ppm) observed from 47.5 to 49 feet bgs

Coal tar-like impacts (odor, staining, max. PID of 282.2 ppm) observed from 59 to 60 feet bgs

25 50 75 100 125 150 175 200 225 250 275 300 325

50 37.5 25 12.5 0 -12.5 -25 -37.5 -50 -62.5 -75



Material Symbols:

- Fill
- Clay
- Silty Clay
- Sandy Clay
- Silts
- Sand
- Peat
- Petroleum-like Impact
- Coal tar-like impact
- Creosote-like impact
- Groundwater Elevation

NOTES:

1. THIS PROFILE REPRESENTS A GENERALIZED SOIL CROSS SECTION INTERPRETED FROM WIDELY SPACED BORINGS. SOIL AND GROUNDWATER MAY VARY IN TYPE, LOCATION, ELEVATION, AND ENVIRONMENTAL AND ENGINEERING PROPERTIES BETWEEN POINTS OF EXPLORATION. VARIATIONS IN SUBSURFACE CONDITIONS SHOULD BE EXPECTED BETWEEN BORINGS.
2. SUBSURFACE STRATIGRAPHY INTERPRETED FROM RECOVERED SOIL SAMPLES. REFER TO BORING LOGS (APPENDIX C) FOR ADDITIONAL INFORMATION.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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Project	240 HUNTINGTON STREET BLOCK No. 477, LOT No. 8 BROOKLYN NEW YORK
Figure Title	SUBSURFACE PROFILE A-A'
Project No.	170430001
Date	7/19/2021
Scale	As Shown
Drawn By	MG
Submission Date	
Figure	7A
	Sheet 7 of 11

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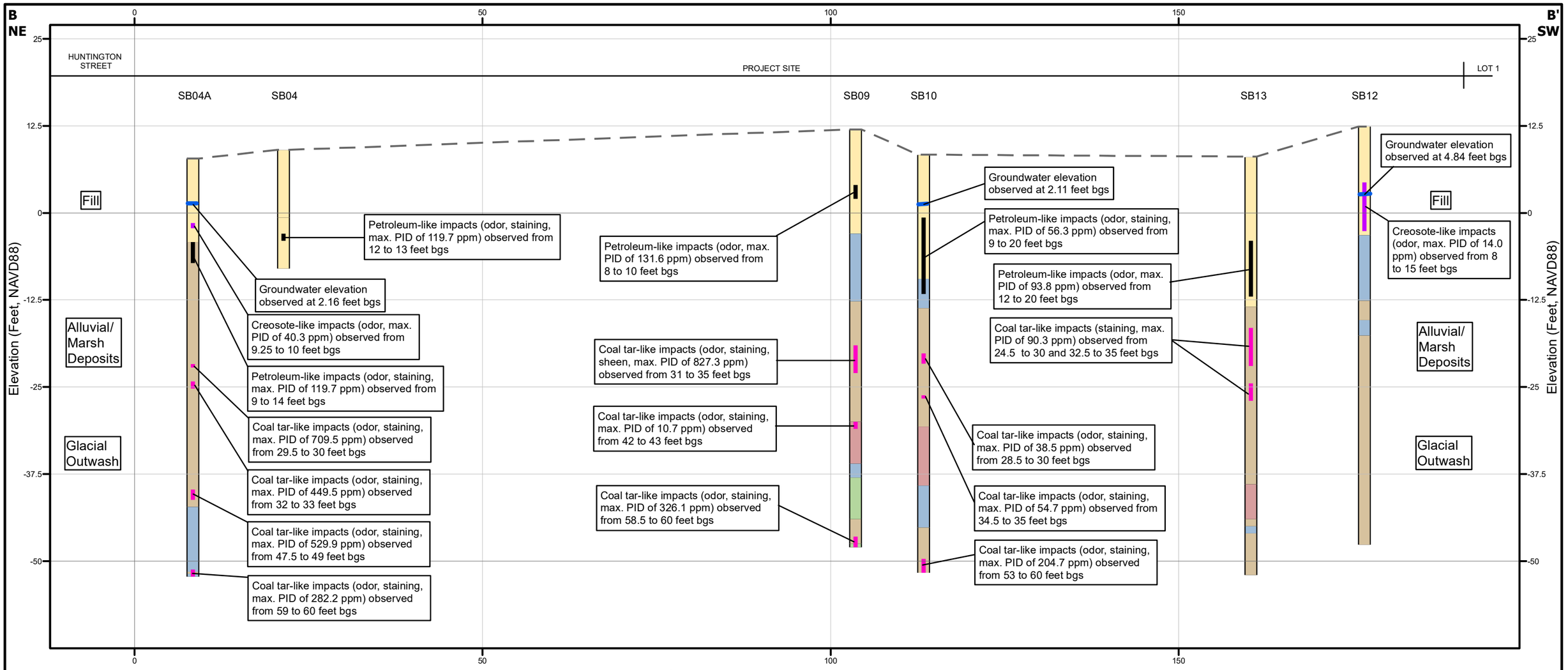

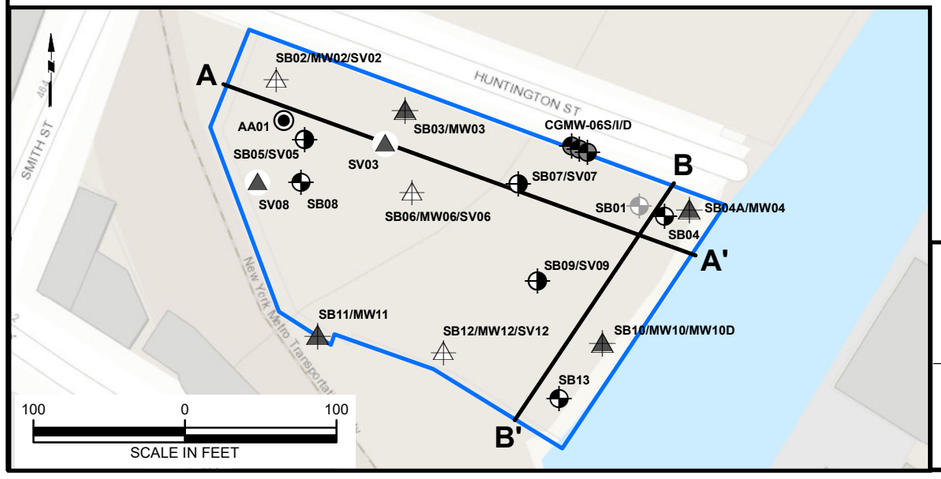

Material Symbols:

- Fill
- Clay
- Silty Sand
- Silts
- Sand
- Creosote-like impact
- Petroleum-like Impact
- Coal tar-like impact
- Groundwater Elevation

NOTES:

1. THIS PROFILE REPRESENTS A GENERALIZED SOIL CROSS SECTION INTERPRETED FROM WIDELY SPACED BORINGS. SOIL AND GROUNDWATER MAY VARY IN TYPE, LOCATION, ELEVATION, AND ENVIRONMENTAL AND ENGINEERING PROPERTIES BETWEEN POINTS OF EXPLORATION. VARIATIONS IN SUBSURFACE CONDITIONS SHOULD BE EXPECTED BETWEEN BORINGS.
2. SUBSURFACE STRATIGRAPHY INTERPRETED FROM RECOVERED SOIL SAMPLES. REFER TO BORING LOGS (APPENDIX C) FOR ADDITIONAL INFORMATION.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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Project	240 HUNTINGTON STREET BLOCK No. 477, LOT No. 8 BROOKLYN NEW YORK
Figure Title	SUBSURFACE PROFILE B-B'
Project No.	170430001
Date	7/19/2021
Scale	As Shown
Drawn By	MG
Submission Date	
Figure	7B
	Sheet 8 of 11

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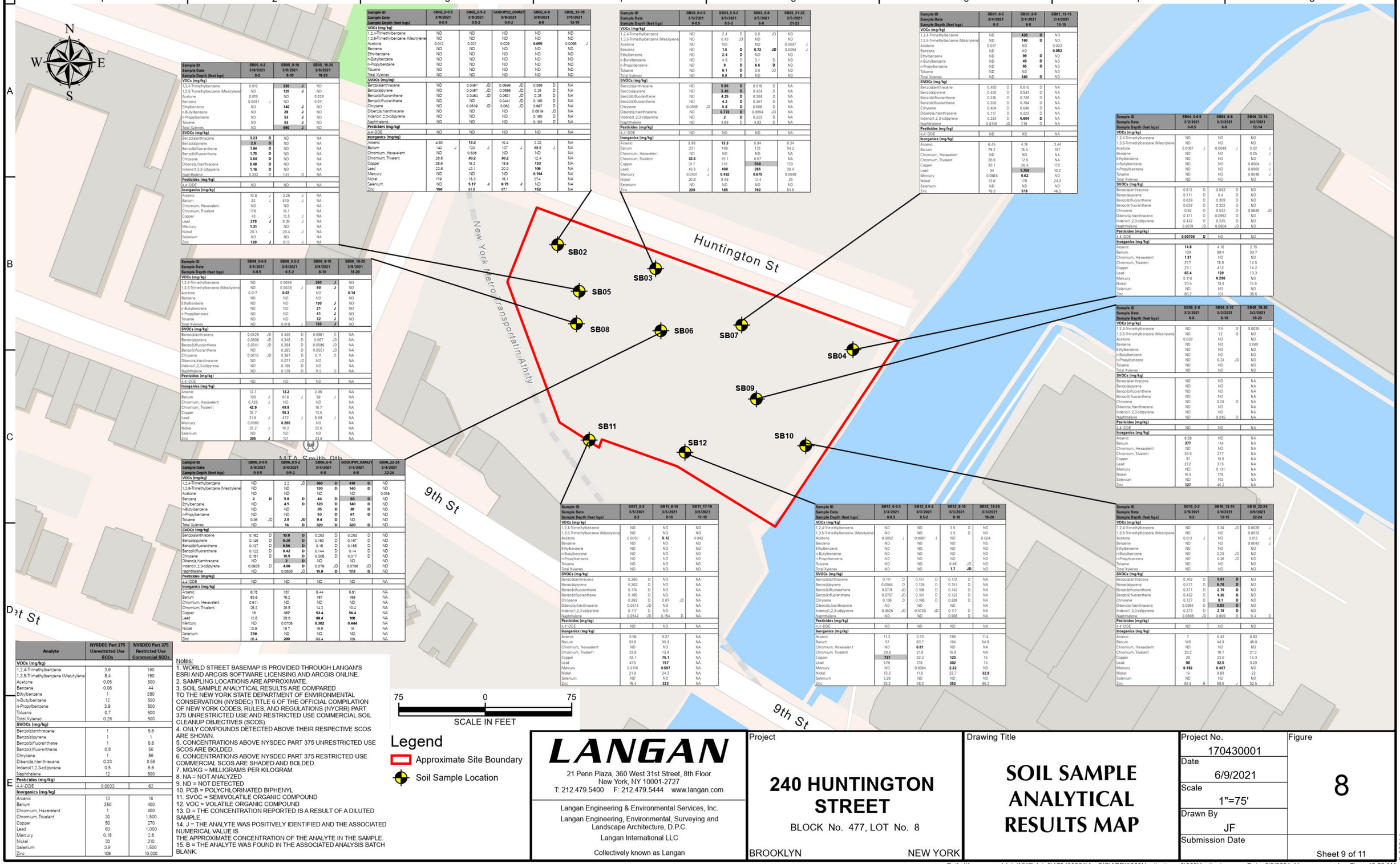

Sample ID	SB05_0-2	SB05_8-10	SB05_18-20
Sample Date	3/8/2021	3/8/2021	3/8/2021
Sample Depth (feet bgs)	0-2	8-10	18-20
VOCs (mg/kg)			
1,2,4-Trimethylbenzene	0.012	**330** J	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	**120** J	ND
Acetone	0.019	ND	0.028
Benzene	0.0031 J	ND	0.011
Ethylbenzene	ND	**140** J	ND
n-Butylbenzene	ND	**28** J	ND
n-Propylbenzene	ND	**53** J	ND
Toluene	ND	**53** J	ND
Total Xylenes	ND	**690** J	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	**3.23** D	ND	NA
Benzo(a)pyrene	**2.8** D	ND	NA
Benzo(b)fluoranthene	**1.64** D	ND	NA
Benzo(k)fluoranthene	**1.75** D	ND	NA
Chrysene	**3.66** D	ND	NA
Dibenz(a,h)anthracene	**0.48** D	ND	NA
Indeno(1,2,3-cd)pyrene	**1.16** D	ND	NA
Naphthalene	0.332 D	1.47 D	NA
Pesticides (mg/kg)			
4,4'-DDE	ND	ND	NA
Inorganics (mg/kg)			
Arsenic	10.8 J	3.25 J	NA
Barium	92 J	57.9 J	NA
Chromium, Hexavalent	ND	ND	NA
Chromium, Trivalent	17.6	16.1	NA
Copper	43 J	13.5 J	NA
Lead	**279** J	9.39 J	NA
Mercury	**1.31**	ND	NA
Nickel	20.1 J	20.4 J	NA
Selenium	ND	ND	NA
Zinc	**139** J	31.5 J	NA

Sample ID	SB08_0-0.5	SB08_0.5-2	SB08_8-10	SB08_18-20
Sample Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021
Sample Depth (feet bgs)	0-0.5	0.5-2	8-10	18-20
VOCs (mg/kg)				
1,2,4-Trimethylbenzene	ND	0.0088	**260** J	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	0.0038 J	**90** J	ND
Acetone	0.017	**0.07**	ND	**0.14**
Benzene	ND	ND	ND	ND
Ethylbenzene	ND	ND	**130** J	ND
n-Butylbenzene	ND	ND	**21** J	ND
n-Propylbenzene	ND	ND	**41** J	ND
Toluene	ND	ND	**32** J	ND
Total Xylenes	ND	0.018 J	**729** J	ND
SVOCs (mg/kg)				
Benzo(a)anthracene	0.0526 JD	0.405 D	0.0961 D	NA
Benzo(a)pyrene	0.0608 JD	0.348 D	0.067 JD	NA
Benzo(b)fluoranthene	0.0541 JD	0.284 D	0.0596 JD	NA
Benzo(k)fluoranthene	ND	0.285 D	0.0551 JD	NA
Chrysene	0.0616 JD	0.387 D	0.11 D	NA
Dibenz(a,h)anthracene	ND	0.077 JD	ND	NA
Indeno(1,2,3-cd)pyrene	ND	0.186 D	ND	NA
Naphthalene	ND	0.139 D	11.5 D	NA
Pesticides (mg/kg)				
4,4'-DDE	ND	ND	ND	NA
Inorganics (mg/kg)				
Arsenic	12.7	**13.2**	2.95	NA
Barium	195 J	61.6 J	59 J	NA
Chromium, Hexavalent	0.728 J	ND	ND	NA
Chromium, Trivalent	**42.9**	**49.8**	18.7	NA
Copper	33.7	**55.3**	13.5	NA
Lead	21.9 J	47.2 J	8.89 J	NA
Mercury	0.0365	**0.265**	ND	NA
Nickel	22.2 J	19.2	22.6	NA
Selenium	ND	ND	ND	NA
Zinc	**205** J	101	39.8	NA

Sample ID	SB06_0-0.5	SB06_0.5-2	SB06_6-8	SODUP01_030421	SB06_22-24
Sample Date	3/4/2021	3/4/2021	3/4/2021	3/4/2021	3/4/2021
Sample Depth (feet bgs)	0-0.5	0.5-2	6-8	6-8	22-24
VOCs (mg/kg)					
1,2,4-Trimethylbenzene	ND	2.2 JD	**360** D	**410** D	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	ND	**130** D	**140** D	ND
Acetone	ND	ND	ND	ND	0.019
Benzene	**2** D	**5.9** D	**44** D	**60** D	ND
Ethylbenzene	ND	**4.5** D	**120** D	**140** D	ND
n-Butylbenzene	ND	ND	**35** D	**38** D	ND
n-Propylbenzene	ND	ND	**53** D	**61** D	ND
Toluene	0.38 JD	**2.8** JD	**8.4** D	ND	ND
Total Xylenes	ND	**16** D	**320** D	**320** D	ND
SVOCs (mg/kg)					
Benzo(a)anthracene	0.182 D	**10.8** D	0.283 D	0.263 D	ND
Benzo(a)pyrene	0.146 D	**9.28** D	0.163 D	0.167 D	ND
Benzo(b)fluoranthene	0.137 D	**8.66** D	0.16 D	0.168 D	ND
Benzo(k)fluoranthene	0.122 D	**8.42** D	0.144 D	0.14 D	ND
Chrysene	0.181 D	**10.5** D	0.308 D	0.317 D	ND
Dibenz(a,h)anthracene	ND	**2** D	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.0926 D	**4.69** D	0.079 JD	0.0736 JD	ND
Naphthalene	ND	0.0838 JD	**15.9** D	**17.3** D	ND
Pesticides (mg/kg)					
4,4'-DDE	ND	ND	ND	ND	NA
Inorganics (mg/kg)					
Arsenic	6.78	7.87	8.44	6.81	NA
Barium	83.6	78.2	187	169	NA
Chromium, Hexavalent	0.811	ND	ND	ND	NA
Chromium, Trivalent	28.3	28.6	14.2	10.4	NA
Copper	18	**137**	**53.4**	**56.4**	NA
Lead	12.6	38.8	**99.4**	**108**	NA
Mercury	ND	0.0706	**0.302**	**0.444**	NA
Nickel	12.9	19.7	16.6	16	NA
Selenium	**7.19**	ND	ND	ND	NA
Zinc	38.4	**209**	89.4	109	NA

Sample ID	SB03_0-0.5	SB03_0.5-2	SB03_6-8	SB03_21-23
Sample Date	3/5/2021	3/5/2021	3/5/2021	3/5/2021
Sample Depth (feet bgs)	0-0.5	0.5-2	6-8	21-23
VOCs (mg/kg)				
1,2,4-Trimethylbenzene	ND	2.4 D	0.8 JD	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	0.43 JD	ND	ND
Acetone	ND	ND	ND	0.0097 J
Benzene	ND	**1.5** D	**0.72** JD	0.0054 J
Ethylbenzene	ND	**2.4** D	ND	ND
n-Butylbenzene	ND	4.8 D	3.1 D	ND
n-Propylbenzene	ND	**8** D	**6.6** D	ND
Toluene	ND	**6.1** D	0.6 JD	ND
Total Xylenes	ND	**8.8** D	ND	ND
SVOCs (mg/kg)				
Benzo(a)anthracene	ND	**5.86** D	0.516 D	NA
Benzo(a)pyrene	ND	**5.45** D	0.424 D	NA
Benzo(b)fluoranthene	ND	**4.25** D	0.384 D	NA
Benzo(k)fluoranthene	ND	**4.2** D	0.367 D	NA
Chrysene	0.0556 JD	**5.8** D	0.666 D	NA
Dibenz(a,h)anthracene	ND	**0.772** D	0.0954 JD	NA
Indeno(1,2,3-cd)pyrene	ND	**2** D	0.223 D	NA
Naphthalene	ND	4.69 D	4.83 D	NA
Pesticides (mg/kg)				
4,4'-DDE	ND	ND	ND	NA
Inorganics (mg/kg)				
Arsenic	9.98	**13.3**	5.94	6.34
Barium	231	188	133	54.2
Chromium, Hexavalent	ND	ND	ND	NA
Chromium, Trivalent	**33.5**	**30.2**	12.4	NA
Copper	31.7	176	**558**	179
Lead	43.3 J	**400**	**265**	30.4
Mercury	0.0401 J	**0.432**	**0.675**	0.0848
Nickel	20.8	9.49	12.4	25
Selenium	ND	ND	ND	ND
Zinc	**239**	**165**	**782**	63.6

Sample ID	SB11_0-2	SB11_8-10	SB11_17-19
Sample Date	3/5/2021	3/5/2021	3/5/2021
Sample Depth (feet bgs)	0-2	8-10	17-19
VOCs (mg/kg)			
1,2,4-Trimethylbenzene	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	ND	ND
Acetone	0.0051 J	**0.12**	0.043
Benzene	ND	ND	ND
Ethylbenzene	ND	ND	ND
n-Butylbenzene	ND	ND	ND
n-Propylbenzene	ND	ND	ND
Toluene	ND	ND	ND
Total Xylenes	ND	ND	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	0.265 D	ND	NA
Benzo(a)pyrene	0.202 D	ND	NA
Benzo(b)fluoranthene	0.174 D	ND	NA
Benzo(k)fluoranthene	0.185 D	ND	NA
Chrysene	0.262 D	0.07 JD	NA
Dibenz(a,h)anthracene	0.0514 JD	ND	NA
Indeno(1,2,3-cd)pyrene	0.117 D	ND	NA
Naphthalene	0.0542 JD	0.154 D	NA
Pesticides (mg/kg)			
4,4'-DDE	ND	ND	NA
Inorganics (mg/kg)			
Arsenic	5.56	9.07	NA
Barium	61.8	95.9	NA
Chromium, Hexavalent	ND	ND	NA
Chromium, Trivalent	23.8	15.8	NA
Copper	33.1	**75.1**	NA
Lead	47.5	**157**	NA
Mercury	0.0701	**0.557**	NA
Nickel	21.9	24.3	NA
Selenium	ND	ND	NA
Zinc	76.4	**323**	NA

Sample ID	SB12_0-0.5	SB12_0.5-2	SB12_8-10	SB12_18-20
Sample Date	3/3/2021	3/3/2021	3/3/2021	3/3/2021
Sample Depth (feet bgs)	0-0.5	0.5-2	8-10	18-20
VOCs (mg/kg)				
1,2,4-Trimethylbenzene	ND	ND	3.5 D	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	ND	2.5 D	ND
Acetone	0.0052 J	0.0081 J	ND	0.024
Benzene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND
Toluene	ND	ND	0.48 JD	ND
Total Xylenes	ND	ND	**1.7** JD	ND
SVOCs (mg/kg)				
Benzo(a)anthracene	0.111 D	0.151 D	0.172 D	NA
Benzo(a)pyrene	0.0944 D	0.128 D	0.151 D	NA
Benzo(b)fluoranthene	0.0774 JD	0.108 D	0.142 D	NA
Benzo(k)fluoranthene	0.0767 JD	0.101 D	0.122 D	NA
Chrysene	0.136 D	0.166 D	0.289 D	NA
Dibenz(a,h)anthracene	ND	ND	ND	NA
Indeno(1,2,3-cd)pyrene	0.0625 JD	0.0735 JD	0.117 D	NA
Naphthalene	ND	ND	0.906 D	NA
Pesticides (mg/kg)				
4,4'-DDE	ND	ND	ND	NA
Inorganics (mg/kg)				
Arsenic	11.3	3.73	7.88	11.4
Barium	57	83.7	194	54.9
Chromium, Hexavalent	ND	**6.81**	ND	NA
Chromium, Trivalent	20.8	21.8	16.9	NA
Copper	**737**	32.2	**123**	15
Lead	576	179	**392**	13
Mercury	ND	0.0384	**2.22**	ND
Nickel	13.2	11.8	22.7	**32.9**
Selenium	3.29	ND	ND	ND
Zinc	93.2	46.3	**353**	86.3

Sample ID	SB07_0-2	SB07_6-8	SB07_13-15
Sample Date	3/4/2021	3/4/2021	3/4/2021
Sample Depth (feet bgs)	0-2	6-8	13-15
VOCs (mg/kg)			
1,2,4-Trimethylbenzene	ND	**430** D	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	**160** D	ND
Acetone	0.017	ND	0.023
Benzene	ND	ND	**0.083**
Ethylbenzene	ND	**99** D	ND
n-Butylbenzene	ND	**40** D	ND
n-Propylbenzene	ND	**65** D	ND
Toluene	ND	ND	ND
Total Xylenes	ND	**360** D	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	0.483 D	0.815 D	NA
Benzo(a)pyrene	0.492 D	0.943 D	NA
Benzo(b)fluoranthene	0.376 D	0.726 D	NA
Benzo(k)fluoranthene	0.392 D	0.784 D	NA
Chrysene	0.464 D	0.846 D	NA
Dibenz(a,h)anthracene	0.117 D	0.223 D	NA
Indeno(1,2,3-cd)pyrene	0.324 D	**0.604** D	NA
Naphthalene	0.0749 JD	3.19 D	NA
Pesticides (mg/kg)			
4,4'-DDE	ND	ND	NA
Inorganics (mg/kg)			
Arsenic	6.45	4.74	3.44
Barium	79.2	74.5	107
Chromium, Hexavalent	ND	ND	NA
Chromium, Trivalent	26.6	12.8	NA
Copper	33.1	26.4	17.2
Lead	34	**1,750**	10.2
Mercury	0.0884	**0.62**	ND
Nickel	13.8	17.6	24.3
Selenium	ND	ND	ND
Zinc	79.3	**518**	46.2

Sample ID	SB04_0-0.5	SB04_6-8	SB04_12-14
Sample Date	3/2/2021	3/2/2021	3/2/2021
Sample Depth (feet bgs)	0-0.5	6-8	12-14
VOCs (mg/kg)			
1,2,4-Trimethylbenzene	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene	ND	ND	ND
Acetone	0.0097 J	0.0049 J	0.02 J
Benzene	ND	ND	0.05 J
Ethylbenzene	ND	ND	ND
n-Butylbenzene	ND	ND	0.0064 J
n-Propylbenzene	ND	ND	0.0065 J
Toluene	ND	ND	0.0048 J
Total Xylenes	ND	ND	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	0.812 D	0.502 D	ND
Benzo(a)pyrene	0.711 D	0.4 D	ND
Benzo(b)fluoranthene	0.639 D	0.309 D	ND
Benzo(k)fluoranthene	0.632 D	0.322 D	ND
Chrysene	0.82 D	0.552 D	0.0646 JD
Dibenz(a,h)anthracene	0.171 D	0.0992 D	ND
Indeno(1,2,3-cd)pyrene	0.422 D	0.225 D	ND
Naphthalene	0.0874 JD	0.0804 JD	ND
Pesticides (mg/kg)			
4,4'-DDE	**0.00709** D	ND	ND
Inorganics (mg/kg)			
Arsenic	**14.6**	4.16	2.19
Barium	139	99.4	33.7
Chromium, Hexavalent	**1.31**	ND	ND
Chromium, Trivalent	21.7	15.9	14.5
Copper	23.1	41.2	14.2
Lead	**65.4**	**120**	13.3
Mercury	0.118	**0.296**	ND
Nickel	20.5	13.4	15.9
Selenium	ND	ND	ND
Zinc	88.2	101	36.6

Sample ID	SB09_6-8	SB09_8-10	SB09_18-20
Sample Date	3/2/2021	3/2/2021	3/2/2021
Sample Depth (feet bgs)	6-8	8-10	18-20
VOCs (mg/kg)			
1,2,4-Trimethylbenzene	ND	2.5 D	0.0026 J
1,3,5-Trimethylbenzene (Mesitylene	ND	1.2 D	ND
Acetone	0.028	ND	ND
Benzene	ND	ND	0.049
Ethylbenzene	ND	ND	ND
n-Butylbenzene	ND	ND	ND
n-Propylbenzene	ND	0.24 JD	ND
Toluene	ND	ND	ND
Total Xylenes	ND	ND	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	ND	ND	NA
Benzo(a)pyrene	ND	ND	NA
Benzo(b)fluoranthene	ND	ND	NA
Benzo(k)fluoranthene	ND	ND	NA
Chrysene	ND	0.29 D	NA
Dibenz(a,h)anthracene	ND	ND	NA
Indeno(1,2,3-cd)pyrene	ND	ND	NA
Naphthalene	ND	0.245 D	NA
Pesticides (mg/kg)			
4,4'-DDE	ND	ND	NA
Inorganics (mg/kg)			
Arsenic	8.38	ND	NA
Barium	**377**	144	NA
Chromium, Hexavalent	ND	ND	NA
Chromium, Trivalent	25.5	27.7	NA
Copper	37	15.6	NA
Lead	272	21.5	NA
Mercury	ND	0.131	NA
Nickel	16.5	17.8	NA
Selenium	ND	ND	NA
Zinc	**127**	40.2	NA

Sample ID	SB10_0-2	SB10_13-15	SB10_22-24
Sample Date	3/9/2021	3/9/2021	3/9/2021
Sample Depth (feet bgs)	0-2	13-15	22-24
VOCs (mg/kg)			
1,2,4-Trimethylbenzene	ND	0.34 JD	0.0026 J
1,3,5-Trimethylbenzene (Mesitylene	ND	ND	0.0072
Acetone	0.013 J	ND	0.013 J
Benzene	ND	ND	0.0043 J
Ethylbenzene	ND	ND	ND
n-Butylbenzene	ND	0.29 JD	ND
n-Propylbenzene	ND	0.26 JD	ND
Toluene	ND	ND	ND
Total Xylenes	ND	ND	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	0.702 D	**9.61** D	ND
Benzo(a)pyrene	0.671 D	**6.78** D	ND
Benzo(b)fluoranthene	0.371 D	**2.79** D	ND
Benzo(k)fluoranthene	0.432 D	**4.36** D	ND
Chrysene	0.727 D	**9.1** D	ND
Dibenz(a,h)anthracene	0.0994 D	**0.83** D	ND
Indeno(1,2,3-cd)pyrene	0.273 D	**2.19** D	ND
Naphthalene	0.0808 JD	0.809 D	0.4 D
Pesticides (mg/kg)			
4,4'-DDE	ND	ND	ND
Inorganics (mg/kg)			
Arsenic	7	5.43	8.83
Barium	140	44.9	46.8
Chromium, Hexavalent	ND	ND	ND
Chromium, Trivalent	28.2	10.7	21.3
Copper	28	22.6	14.3
Lead	**90**	**92.5**	9.29
Mercury	**0.182**	**0.407**	ND
Nickel	19	9.89	22
Selenium	ND	ND	ND
Zinc	92.5 B	69.6 J	52.5 J

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	3.6	190
1,3,5-Trimethylbenzene (Mecitylene	8.4	190
Acetone	0.05	500
Benzene	0.06	44
Ethylbenzene	1	390
n-Butylbenzene	12	500
n-Propylbenzene	3.9	500
Toluene	0.7	500
Total Xylenes	0.26	500
SVOCs (mg/kg)		
Benzo(a)anthracene	1	5.6
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	5.6
Benzo(k)fluoranthene	0.8	56
Chrysene	1	56
Dibenz(a,h)anthracene	0.33	0.56
Indeno(1,2,3-cd)pyrene	0.5	5.6
Naphthalene	12	500
Pesticides (mg/kg)		
4,4'-DDE	0.0033	62
Inorganics (mg/kg)		
Arsenic	13	16
Barium	350	400
Chromium, Hexavalent	1	400
Chromium, Trivalent	30	1,500
Copper	50	270
Lead	63	1,000
Mercury	0.18	2.8
Nickel	30	310
Selenium	3.9	1,500
Zinc	109	10,000

Notes:
1. WORLD STREET BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. SAMPLING LOCATIONS ARE APPROXIMATE.
3. 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 COMMERCIAL SOIL CLEANUP OBJECTIVES (SCOS).
4. ONLY COMPOUNDS DETECTED ABOVE THEIR RESPECTIVE SCOS ARE SHOWN.
5. CONCENTRATIONS ABOVE NYSDEC PART 375 UNRESTRICTED USE SCOS ARE BOLDED.
6. CONCENTRATIONS ABOVE NYSDEC PART 375 RESTRICTED USE COMMERCIAL SCOS ARE SHADED AND BOLDED.
7. MG/KG = MILLIGRAMS PER KILOGRAM
8. NA = NOT ANALYZED
9. ND = NOT DETECTED
10. PCB = POLYCHLORINATED BIPHENYL
11. SVOC = SEMIVOLATILE ORGANIC COMPOUND
12. VOC = VOLATILE ORGANIC COMPOUND
13. D = THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE.
14. J = THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE.
15. B = THE ANALYTE WAS FOUND IN THE ASSOCIATED ANALYSIS BATCH BLANK.

Legend
- Approximate Site Boundary
- Soil Sample Location

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC

Collectively known as Langan

Project
240 HUNTINGTON STREET
BLOCK No. 477, LOT No. 8
BROOKLYN NEW YORK

Drawing Title
SOIL SAMPLE ANALYTICAL RESULTS MAP

Project No. 170430001
Date 6/9/2021
Scale 1"=75'
Drawn By JF
Submission Date

Figure 8
Sheet 9 of 11

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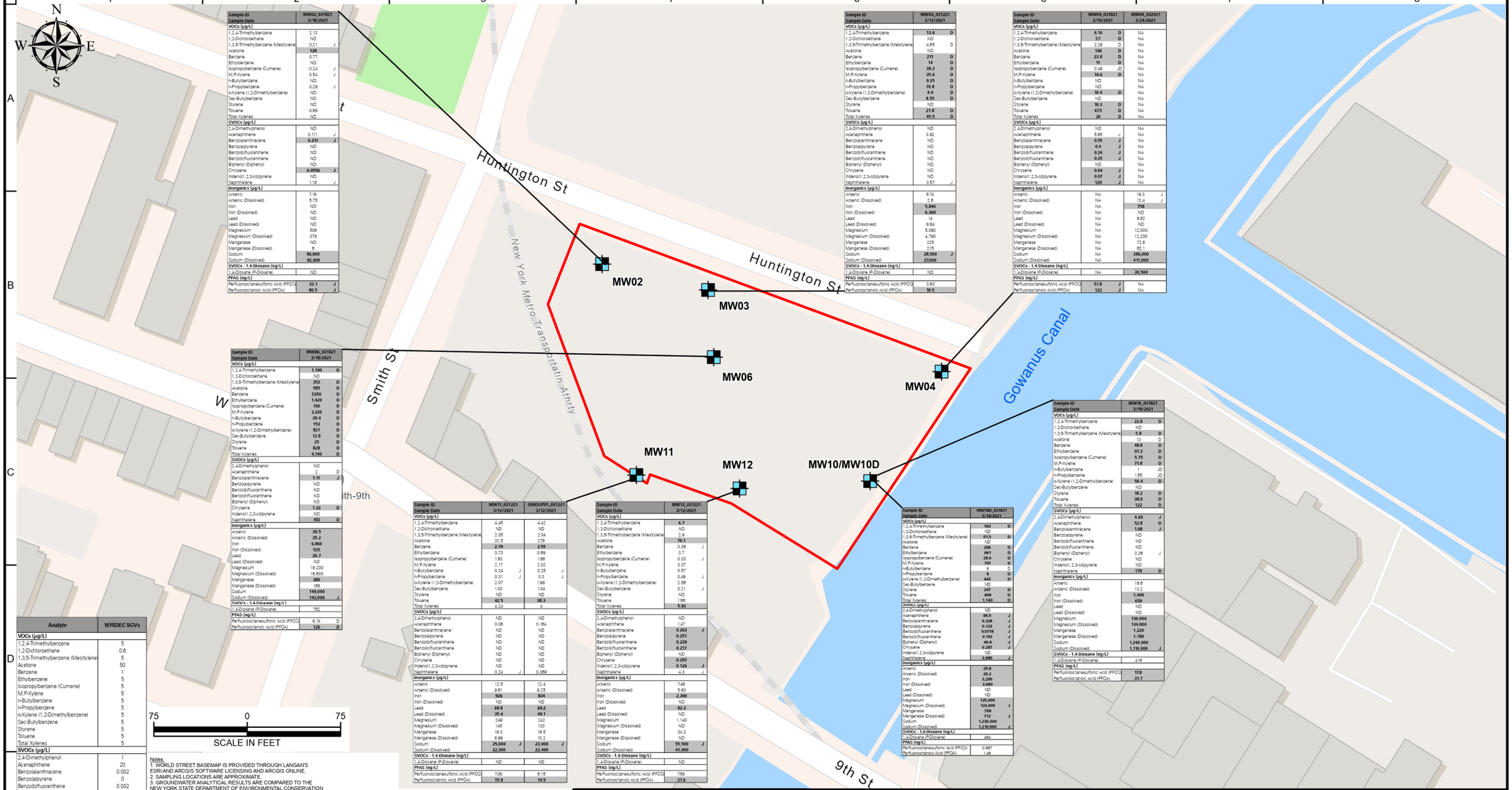

Sample ID	MW02_031821
Sample Date	3/18/2021
VOCs (µg/L)	
1,2,4-Trimethylbenzene	2.13
1,2-Dichloroethane	ND
1,3,5-Trimethylbenzene (Mesitylene)	0.21 J
Acetone	**128**
Benzene	0.77
Ethylbenzene	ND
Isopropylbenzene (Cumene)	0.24 J
M,P-Xylene	0.54 J
n-Butylbenzene	ND
n-Propylbenzene	0.28 J
o-Xylene (1,2-Dimethylbenzene)	ND
Sec-Butylbenzene	ND
Styrene	ND
Toluene	0.68
Total Xylenes	ND
SVOCs (µg/L)	
2,4-Dimethylphenol	ND
Acenaphthene	0.111 J
Benzo(a)anthracene	**0.211 J**
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Biphenyl (Diphenyl)	ND
Chrysene	**0.0556 J**
Indeno(1,2,3-cd)pyrene	ND
Naphthalene	1.18 J
Inorganics (µg/L)	
Arsenic	7.18
Arsenic (Dissolved)	5.76
Iron	ND
Iron (Dissolved)	ND
Lead	ND
Lead (Dissolved)	ND
Magnesium	508
Magnesium (Dissolved)	378
Manganese	ND
Manganese (Dissolved)	6
Sodium	**86,900**
Sodium (Dissolved)	**92,000**
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	ND
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	**33.1 J**
Perfluorooctanoic Acid (PFOA)	**80.5 J**

Sample ID	MW03_031221
Sample Date	3/12/2021
VOCs (µg/L)	
1,2,4-Trimethylbenzene	**13.6 D**
1,2-Dichloroethane	ND
1,3,5-Trimethylbenzene (Mesitylene)	4.65 D
Acetone	ND
Benzene	**211 D**
Ethylbenzene	**14 D**
Isopropylbenzene (Cumene)	**39.2 D**
M,P-Xylene	**35.6 D**
n-Butylbenzene	**9.35 D**
n-Propylbenzene	**70.8 D**
o-Xylene (1,2-Dimethylbenzene)	**9.9 D**
Sec-Butylbenzene	**8.55 D**
Styrene	ND
Toluene	**21.8 D**
Total Xylenes	**45.5 D**
SVOCs (µg/L)	
2,4-Dimethylphenol	ND
Acenaphthene	3.92
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Biphenyl (Diphenyl)	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
Naphthalene	3.87 J
Inorganics (µg/L)	
Arsenic	6.74
Arsenic (Dissolved)	2.6
Iron	**5,940**
Iron (Dissolved)	**6,360**
Lead	14
Lead (Dissolved)	8.84
Magnesium	5,090
Magnesium (Dissolved)	4,790
Manganese	225
Manganese (Dissolved)	215
Sodium	**28,500 J**
Sodium (Dissolved)	**27,600**
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	ND
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	3.63
Perfluorooctanoic Acid (PFOA)	**10.5**

Sample ID	MW04_031921	MW04_032421
Sample Date	3/19/2021	3/24/2021
VOCs (µg/L)		
1,2,4-Trimethylbenzene	**6.16 D**	NA
1,2-Dichloroethane	**7.7 D**	NA
1,3,5-Trimethylbenzene (Mesitylene)	2.28 D	NA
Acetone	**146 D**	NA
Benzene	**23.8 D**	NA
Ethylbenzene	**11 D**	NA
Isopropylbenzene (Cumene)	0.48 JD	NA
M,P-Xylene	**16.6 D**	NA
n-Butylbenzene	ND	NA
n-Propylbenzene	ND	NA
o-Xylene (1,2-Dimethylbenzene)	**10.4 D**	NA
Sec-Butylbenzene	ND	NA
Styrene	**10.3 D**	NA
Toluene	**47.5 D**	NA
Total Xylenes	**26 D**	NA
SVOCs (µg/L)		
2,4-Dimethylphenol	ND	NA
Acenaphthene	5.65 J	NA
Benzo(a)anthracene	**0.55 J**	NA
Benzo(a)pyrene	**0.4 J**	NA
Benzo(b)fluoranthene	**0.24 J**	NA
Benzo(k)fluoranthene	**0.35 J**	NA
Biphenyl (Diphenyl)	ND	NA
Chrysene	**0.64 J**	NA
Indeno(1,2,3-cd)pyrene	**0.07 J**	NA
Naphthalene	**129 J**	NA
Inorganics (µg/L)		
Arsenic	NA	19.3 J
Arsenic (Dissolved)	NA	13.4 J
Iron	NA	**758**
Iron (Dissolved)	NA	ND
Lead	NA	8.62
Lead (Dissolved)	NA	ND
Magnesium	NA	12,000
Magnesium (Dissolved)	NA	12,200
Manganese	NA	72.8
Manganese (Dissolved)	NA	60.1
Sodium	NA	**386,000**
Sodium (Dissolved)	NA	**411,000**
SVOCs - 1,4-Dioxane (ng/L)		
1,4-Dioxane (P-Dioxane)	NA	**30,500**
PFAS (ng/L)		
Perfluorooctanesulfonic Acid (PFOS)	**51.8 J**	NA
Perfluorooctanoic Acid (PFOA)	**122 J**	NA

Sample ID	MW06_031821
Sample Date	3/18/2021
VOCs (µg/L)	
1,2,4-Trimethylbenzene	**1,190 D**
1,2-Dichloroethane	ND
1,3,5-Trimethylbenzene (Mesitylene)	**353 D**
Acetone	**585 D**
Benzene	**7,650 D**
Ethylbenzene	**1,420 D**
Isopropylbenzene (Cumene)	**100 D**
M,P-Xylene	**3,320 D**
n-Butylbenzene	**39.4 D**
n-Propylbenzene	**153 D**
o-Xylene (1,2-Dimethylbenzene)	**821 D**
Sec-Butylbenzene	**12.8 D**
Styrene	**25 D**
Toluene	**828 D**
Total Xylenes	**4,140 D**
SVOCs (µg/L)	
2,4-Dimethylphenol	ND
Acenaphthene	2 D
Benzo(a)anthracene	**1.11 J**
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Biphenyl (Diphenyl)	ND
Chrysene	**1.33 D**
Indeno(1,2,3-cd)pyrene	ND
Naphthalene	**153 D**
Inorganics (µg/L)	
Arsenic	**39.5**
Arsenic (Dissolved)	**25.2**
Iron	**6,960**
Iron (Dissolved)	**535**
Lead	**26.7**
Lead (Dissolved)	ND
Magnesium	18,200
Magnesium (Dissolved)	16,600
Manganese	**380**
Manganese (Dissolved)	188
Sodium	**149,000**
Sodium (Dissolved)	**143,000 J**
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	782
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	8.74 D
Perfluorooctanoic Acid (PFOA)	**126 D**

Sample ID	MW10_031821
Sample Date	3/18/2021
VOCs (µg/L)	
1,2,4-Trimethylbenzene	**22.8 D**
1,2-Dichloroethane	ND
1,3,5-Trimethylbenzene (Mesitylene)	**5.8 D**
Acetone	13 D
Benzene	**48.8 D**
Ethylbenzene	**91.3 D**
Isopropylbenzene (Cumene)	**5.75 D**
M,P-Xylene	**71.8 D**
n-Butylbenzene	1 JD
n-Propylbenzene	1.55 JD
o-Xylene (1,2-Dimethylbenzene)	**50.4 D**
Sec-Butylbenzene	ND
Styrene	**18.2 D**
Toluene	**38.9 D**
Total Xylenes	**122 D**
SVOCs (µg/L)	
2,4-Dimethylphenol	**4.69 J**
Acenaphthene	**52.8 D**
Benzo(a)anthracene	**1.08 J**
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Biphenyl (Diphenyl)	3.36 J
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
Naphthalene	**179 D**
Inorganics (µg/L)	
Arsenic	18.6
Arsenic (Dissolved)	13.2
Iron	**1,400**
Iron (Dissolved)	**659**
Lead	ND
Lead (Dissolved)	ND
Magnesium	**136,000**
Magnesium (Dissolved)	**134,000**
Manganese	**1,220**
Manganese (Dissolved)	**1,180**
Sodium	**1,240,000**
Sodium (Dissolved)	**1,150,000 J**
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	416
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	**17.8**
Perfluorooctanoic Acid (PFOA)	**31.7**

Sample ID	MW11_031221	GWDUP01_031221
Sample Date	3/12/2021	3/12/2021
VOCs (µg/L)		
1,2,4-Trimethylbenzene	4.45	4.42
1,2-Dichloroethane	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)	2.05	2.04
Acetone	32.5	27.6
Benzene	**2.29**	**2.25**
Ethylbenzene	0.73	0.69
Isopropylbenzene (Cumene)	1.83	1.88
M,P-Xylene	2.17	2.02
n-Butylbenzene	0.24 J	0.25 J
n-Propylbenzene	0.31 J	0.3 J
o-Xylene (1,2-Dimethylbenzene)	2.07	1.98
Sec-Butylbenzene	1.03	1.04
Styrene	ND	ND
Toluene	**42.5**	**38.3**
Total Xylenes	4.24	4
SVOCs (µg/L)		
2,4-Dimethylphenol	ND	ND
Acenaphthene	0.08	0.164
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Biphenyl (Diphenyl)	ND	ND
Chrysene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Naphthalene	0.24 J	0.369 J
Inorganics (µg/L)		
Arsenic	12.5	12.4
Arsenic (Dissolved)	9.61	9.25
Iron	**926**	**834**
Iron (Dissolved)	ND	ND
Lead	**68.8**	**69.2**
Lead (Dissolved)	**35.4**	**49.1**
Magnesium	249	242
Magnesium (Dissolved)	145	133
Manganese	19.3	18.5
Manganese (Dissolved)	8.99	10.2
Sodium	**25,000 J**	**23,000 J**
Sodium (Dissolved)	**22,300**	**22,400**
SVOCs - 1,4-Dioxane (ng/L)		
1,4-Dioxane (P-Dioxane)	ND	ND
PFAS (ng/L)		
Perfluorooctanesulfonic Acid (PFOS)	7.08	6.15
Perfluorooctanoic Acid (PFOA)	**15.9**	**14.5**

Sample ID	MW12_031221
Sample Date	3/12/2021
VOCs (µg/L)	
1,2,4-Trimethylbenzene	**6.7**
1,2-Dichloroethane	ND
1,3,5-Trimethylbenzene (Mesitylene)	2.9
Acetone	**76.1**
Benzene	0.38 J
Ethylbenzene	0.7
Isopropylbenzene (Cumene)	0.33 J
M,P-Xylene	3.37
n-Butylbenzene	0.57
n-Propylbenzene	0.49 J
o-Xylene (1,2-Dimethylbenzene)	2.56
Sec-Butylbenzene	0.21 J
Styrene	ND
Toluene	1.66
Total Xylenes	**5.93**
SVOCs (µg/L)	
2,4-Dimethylphenol	ND
Acenaphthene	1.47
Benzo(a)anthracene	**0.263 J**
Benzo(a)pyrene	**0.251**
Benzo(b)fluoranthene	**0.229**
Benzo(k)fluoranthene	**0.217**
Biphenyl (Diphenyl)	ND
Chrysene	**0.297**
Indeno(1,2,3-cd)pyrene	**0.126 J**
Naphthalene	4.3 J
Inorganics (µg/L)	
Arsenic	7.46
Arsenic (Dissolved)	5.63
Iron	**2,300**
Iron (Dissolved)	ND
Lead	**92.3**
Lead (Dissolved)	ND
Magnesium	1,140
Magnesium (Dissolved)	ND
Manganese	34.3
Manganese (Dissolved)	ND
Sodium	**55,500 J**
Sodium (Dissolved)	**41,000**
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	ND
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	7.59
Perfluorooctanoic Acid (PFOA)	**21.6**

Sample ID	MW10D_031921
Sample Date	3/19/2021
VOCs (µg/L)	
1,2,4-Trimethylbenzene	**193 D**
1,2-Dichloroethane	ND
1,3,5-Trimethylbenzene (Mesitylene)	**51.5 D**
Acetone	ND
Benzene	**266 D**
Ethylbenzene	**96.1 D**
Isopropylbenzene (Cumene)	**28.6 D**
M,P-Xylene	**701 D**
n-Butylbenzene	5 D
n-Propylbenzene	**9 D**
o-Xylene (1,2-Dimethylbenzene)	**443 D**
Sec-Butylbenzene	ND
Styrene	**247 D**
Toluene	**409 D**
Total Xylenes	**1,140 D**
SVOCs (µg/L)	
2,4-Dimethylphenol	ND
Acenaphthene	**85.5 J**
Benzo(a)anthracene	**0.328 J**
Benzo(a)pyrene	**0.133 J**
Benzo(b)fluoranthene	**0.0718 J**
Benzo(k)fluoranthene	**0.103 J**
Biphenyl (Diphenyl)	**46.9 J**
Chrysene	**0.287 J**
Indeno(1,2,3-cd)pyrene	ND
Naphthalene	**3,980 J**
Inorganics (µg/L)	
Arsenic	**25.9**
Arsenic (Dissolved)	**26.2**
Iron	**3,200**
Iron (Dissolved)	**3,080**
Lead	ND
Lead (Dissolved)	ND
Magnesium	**125,000**
Magnesium (Dissolved)	**124,000 J**
Manganese	**709**
Manganese (Dissolved)	**712 J**
Sodium	**1,230,000**
Sodium (Dissolved)	**1,210,000 J**
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	484
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	0.987
Perfluorooctanoic Acid (PFOA)	1.48

Analyte	NYSDEC SGVs
VOCs (µg/L)	
1,2,4-Trimethylbenzene	5
1,2-Dichloroethane	0.6
1,3,5-Trimethylbenzene (Mesitylene)	5
Acetone	50
Benzene	1
Ethylbenzene	5
Isopropylbenzene (Cumene)	5
M,P-Xylene	5
n-Butylbenzene	5
n-Propylbenzene	5
o-Xylene (1,2-Dimethylbenzene)	5
Sec-Butylbenzene	5
Styrene	5
Toluene	5
Total Xylenes	5
SVOCs (µg/L)	
2,4-Dimethylphenol	1
Acenaphthene	20
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Biphenyl (Diphenyl)	5
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Naphthalene	10
Inorganics (µg/L)	
Arsenic	25
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Sodium	20,000

Analyte	January 2021 Guidance Values
SVOCs - 1,4-Dioxane (ng/L)	
1,4-Dioxane (P-Dioxane)	1,000
PFAS (ng/L)	
Perfluorooctanesulfonic Acid (PFOS)	10
Perfluorooctanoic Acid (PFOA)	10

Notes:
1. WORLD STREET BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. SAMPLING LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES SGV(S) FOR CLASS GA (DRINKING WATER). NYSDEC PART 375 REMEDIAL PROGRAMS GUIDELINES FOR SAMPLING AND ANALYSIS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) (JANUARY 2021) AND THE 1,4-DIOXANE VALUE REFLECTS THE DRINKING WATER MAXIMUM CONTAMINANT LEVEL (MCL) ADOPTED BY NEW YORK STATE FOR PUBLIC WATER SYSTEMS (JULY 2020). PURSUANT TO PART 375-1.7(F)(2), THE NYSDEC WILL TREAT THE MCL AS RELEVANT AND APPROPRIATE AND WILL CONSIDER THIS VALUE IN REMEDY SELECTION.
4. ONLY COMPOUNDS DETECTED ABOVE THEIR RESPECTIVE CLASS GA SGV/S, GUIDANCE VALUES, OR MCL ARE SHOWN.
5. MG/L = MICROGRAMS PER LITER
6. NG/L - NANOGRAMS PER LITER
7. PCB = POLYCHLORINATED BIPHENYL
8. SVOC = SEMIVOLATILE ORGANIC COMPOUND
9. VOC = VOLATILE ORGANIC COMPOUND
10. NA = NOT ANALYZED
11. ND = NOT DETECTED
12. D = THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE.
13. J = THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE.

Legend

- Approximate Site Boundary
- Groundwater Sampling Location

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Langan International LLC

Collectively known as Langan

Project

240 HUNTINGTON STREET

BLOCK No. 477, LOT No. 8

BROOKLYN NEW YORK

Drawing Title

GROUNDWATER SAMPLING ANALYTICAL RESULTS MAP

Project No. 170430001	Figure 9
Date 12/16/2021	
Scale 1"=75'	
Drawn By LDB	
Submission Date	Sheet 10 of 11

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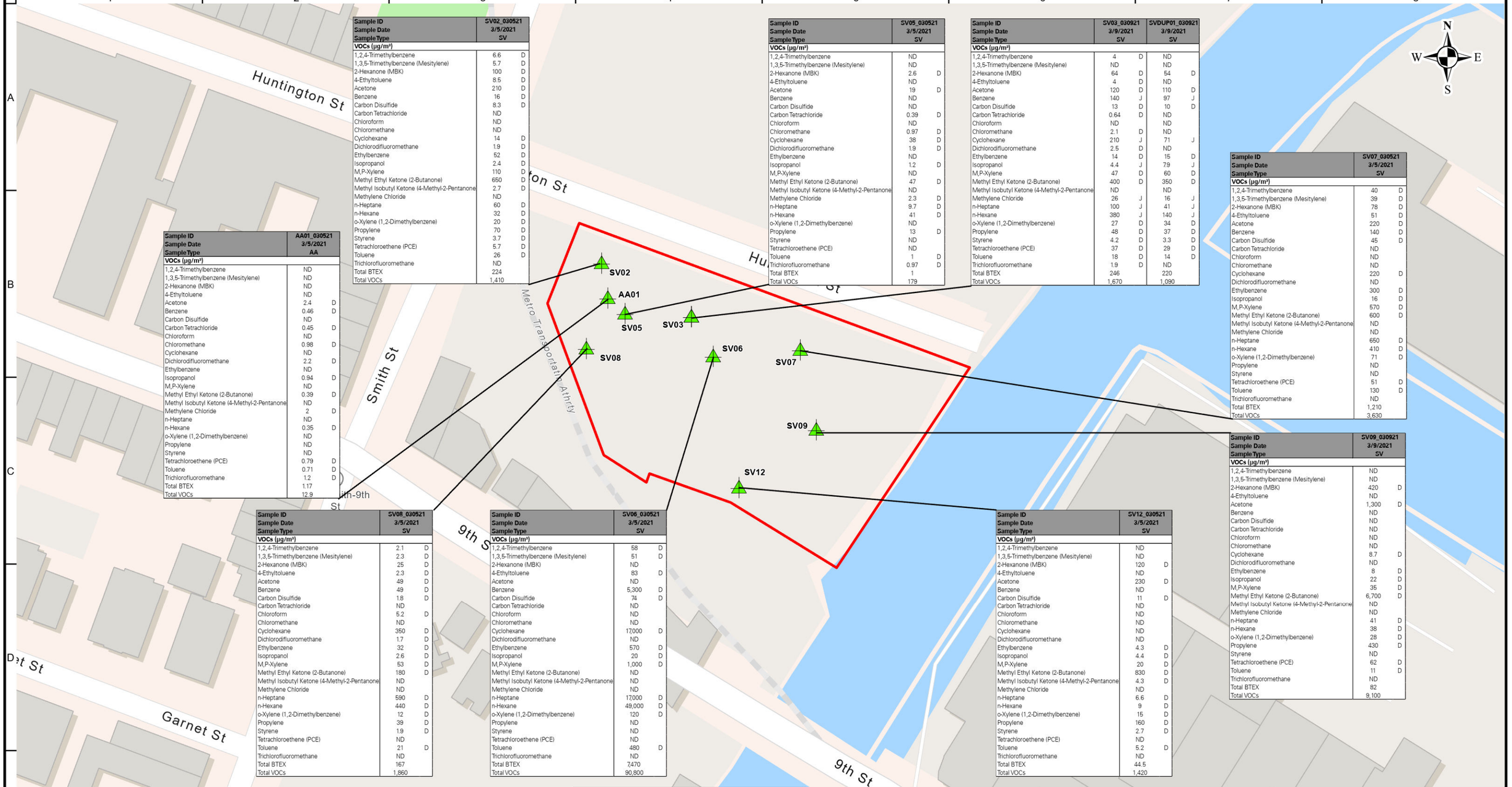
Path: \\langan.com\data\NYC\data0\170430001\ArcGIS\APRX\300Huntington_v3\300Huntington.aprx Date: 12/16/2021 User: Gsajbel Time: 12:34 PM



Sample ID	SV02_030521	
Sample Date	3/5/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	6.6	D
1,3,5-Trimethylbenzene (Mesitylene)	5.7	D
2-Hexanone (MBK)	100	D
4-Ethyltoluene	8.5	D
Acetone	210	D
Benzene	16	D
Carbon Disulfide	8.3	D
Carbon Tetrachloride	ND	
Chloroform	ND	
Chloromethane	ND	
Cyclohexane	14	D
Dichlorodifluoromethane	1.9	D
Ethylbenzene	52	D
Isopropanol	2.4	D
M,P-Xylene	110	D
Methyl Ethyl Ketone (2-Butanone)	650	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	2.7	D
Methylene Chloride	ND	
n-Heptane	60	D
n-Hexane	32	D
o-Xylene (1,2-Dimethylbenzene)	20	D
Propylene	70	D
Styrene	3.7	D
Tetrachloroethene (PCE)	5.7	D
Toluene	26	D
Trichlorofluoromethane	ND	
Total BTEX	224	
Total VOCs	1,410	

Sample ID	SV05_030521	
Sample Date	3/5/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	ND	
1,3,5-Trimethylbenzene (Mesitylene)	ND	
2-Hexanone (MBK)	2.6	D
4-Ethyltoluene	ND	
Acetone	19	D
Benzene	ND	
Carbon Disulfide	ND	
Carbon Tetrachloride	0.39	D
Chloroform	ND	
Chloromethane	0.97	D
Cyclohexane	38	D
Dichlorodifluoromethane	1.9	D
Ethylbenzene	ND	
Isopropanol	1.2	D
M,P-Xylene	ND	
Methyl Ethyl Ketone (2-Butanone)	47	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND	
Methylene Chloride	2.3	D
n-Heptane	9.7	D
n-Hexane	41	D
o-Xylene (1,2-Dimethylbenzene)	ND	
Propylene	13	D
Styrene	ND	
Tetrachloroethene (PCE)	ND	
Toluene	1	D
Trichlorofluoromethane	0.97	D
Total BTEX	1	
Total VOCs	179	

Sample ID	SV03_030921		SVDUP01_030921	
Sample Date	3/9/2021		3/9/2021	
Sample Type	SV		SV	
VOCs (µg/m³)				
1,2,4-Trimethylbenzene	4	D	ND	
1,3,5-Trimethylbenzene (Mesitylene)	ND		ND	
2-Hexanone (MBK)	64	D	54	D
4-Ethyltoluene	4	D	ND	
Acetone	120	D	110	D
Benzene	140	J	97	J
Carbon Disulfide	13	D	10	D
Carbon Tetrachloride	0.64	D	ND	
Chloroform	ND		ND	
Chloromethane	2.1	D	ND	
Cyclohexane	210	J	71	J
Dichlorodifluoromethane	2.5	D	ND	
Ethylbenzene	14	D	15	D
Isopropanol	4.4	J	79	J
M,P-Xylene	47	D	60	D
Methyl Ethyl Ketone (2-Butanone)	400	D	350	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND		ND	
Methylene Chloride	26	J	16	J
n-Heptane	100	J	41	J
n-Hexane	380	J	140	J
o-Xylene (1,2-Dimethylbenzene)	27	D	34	D
Propylene	48	D	37	D
Styrene	4.2	D	3.3	D
Tetrachloroethene (PCE)	37	D	29	D
Toluene	18	D	14	D
Trichlorofluoromethane	1.9	D	ND	
Total BTEX	246		220	
Total VOCs	1,670		1,090	

Sample ID	AA01_030521	
Sample Date	3/5/2021	
Sample Type	AA	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	ND	
1,3,5-Trimethylbenzene (Mesitylene)	ND	
2-Hexanone (MBK)	ND	
4-Ethyltoluene	ND	
Acetone	2.4	D
Benzene	0.46	D
Carbon Disulfide	ND	
Carbon Tetrachloride	0.45	D
Chloroform	ND	
Chloromethane	0.98	D
Cyclohexane	ND	
Dichlorodifluoromethane	2.2	D
Ethylbenzene	ND	
Isopropanol	0.94	D
M,P-Xylene	ND	
Methyl Ethyl Ketone (2-Butanone)	0.39	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND	
Methylene Chloride	2	D
n-Heptane	ND	
n-Hexane	0.35	D
o-Xylene (1,2-Dimethylbenzene)	ND	
Propylene	ND	
Styrene	ND	
Tetrachloroethene (PCE)	0.79	D
Toluene	0.71	D
Trichlorofluoromethane	1.2	D
Total BTEX	1.17	
Total VOCs	12.9	

Sample ID	SV07_030521	
Sample Date	3/5/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	40	D
1,3,5-Trimethylbenzene (Mesitylene)	39	D
2-Hexanone (MBK)	78	D
4-Ethyltoluene	51	D
Acetone	220	D
Benzene	140	D
Carbon Disulfide	45	D
Carbon Tetrachloride	ND	
Chloroform	ND	
Chloromethane	ND	
Cyclohexane	220	D
Dichlorodifluoromethane	ND	
Ethylbenzene	300	D
Isopropanol	16	D
M,P-Xylene	570	D
Methyl Ethyl Ketone (2-Butanone)	600	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND	
Methylene Chloride	ND	
n-Heptane	650	D
n-Hexane	410	D
o-Xylene (1,2-Dimethylbenzene)	71	D
Propylene	ND	
Styrene	ND	
Tetrachloroethene (PCE)	51	D
Toluene	130	D
Trichlorofluoromethane	ND	
Total BTEX	1,210	
Total VOCs	3,630	

Sample ID	SV09_030921	
Sample Date	3/9/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	ND	
1,3,5-Trimethylbenzene (Mesitylene)	ND	
2-Hexanone (MBK)	420	D
4-Ethyltoluene	ND	
Acetone	1,300	D
Benzene	ND	
Carbon Disulfide	ND	
Carbon Tetrachloride	ND	
Chloroform	ND	
Chloromethane	ND	
Cyclohexane	8.7	D
Dichlorodifluoromethane	ND	
Ethylbenzene	8	D
Isopropanol	22	D
M,P-Xylene	35	D
Methyl Ethyl Ketone (2-Butanone)	6,700	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND	
Methylene Chloride	ND	
n-Heptane	41	D
n-Hexane	38	D
o-Xylene (1,2-Dimethylbenzene)	28	D
Propylene	430	D
Styrene	ND	
Tetrachloroethene (PCE)	62	D
Toluene	11	D
Trichlorofluoromethane	ND	
Total BTEX	82	
Total VOCs	9,100	

Sample ID	SV08_030521	
Sample Date	3/5/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	2.1	D
1,3,5-Trimethylbenzene (Mesitylene)	2.3	D
2-Hexanone (MBK)	25	D
4-Ethyltoluene	2.3	D
Acetone	49	D
Benzene	49	D
Carbon Disulfide	1.8	D
Carbon Tetrachloride	ND	
Chloroform	5.2	D
Chloromethane	ND	
Cyclohexane	350	D
Dichlorodifluoromethane	1.7	D
Ethylbenzene	32	D
Isopropanol	2.6	D
M,P-Xylene	53	D
Methyl Ethyl Ketone (2-Butanone)	180	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND	
Methylene Chloride	ND	
n-Heptane	590	D
n-Hexane	440	D
o-Xylene (1,2-Dimethylbenzene)	12	D
Propylene	39	D
Styrene	1.9	D
Tetrachloroethene (PCE)	ND	
Toluene	21	D
Trichlorofluoromethane	ND	
Total BTEX	167	
Total VOCs	1,860	

Sample ID	SV06_030521	
Sample Date	3/5/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	58	D
1,3,5-Trimethylbenzene (Mesitylene)	51	D
2-Hexanone (MBK)	ND	
4-Ethyltoluene	83	D
Acetone	ND	
Benzene	5,300	D
Carbon Disulfide	74	D
Carbon Tetrachloride	ND	
Chloroform	ND	
Chloromethane	ND	
Cyclohexane	17000	D
Dichlorodifluoromethane	ND	
Ethylbenzene	570	D
Isopropanol	20	D
M,P-Xylene	1,000	D
Methyl Ethyl Ketone (2-Butanone)	ND	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	ND	
Methylene Chloride	ND	
n-Heptane	17000	D
n-Hexane	49,000	D
o-Xylene (1,2-Dimethylbenzene)	120	D
Propylene	ND	
Styrene	ND	
Tetrachloroethene (PCE)	ND	
Toluene	480	D
Trichlorofluoromethane	ND	
Total BTEX	7,470	
Total VOCs	90,800	

Sample ID	SV12_030521	
Sample Date	3/5/2021	
Sample Type	SV	
VOCs (µg/m³)		
1,2,4-Trimethylbenzene	ND	
1,3,5-Trimethylbenzene (Mesitylene)	ND	
2-Hexanone (MBK)	120	D
4-Ethyltoluene	ND	
Acetone	230	D
Benzene	ND	
Carbon Disulfide	11	D
Carbon Tetrachloride	ND	
Chloroform	ND	
Chloromethane	ND	
Cyclohexane	ND	
Dichlorodifluoromethane	ND	
Ethylbenzene	4.3	D
Isopropanol	4.4	D
M,P-Xylene	20	D
Methyl Ethyl Ketone (2-Butanone)	830	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	4.3	D
Methylene Chloride	ND	
n-Heptane	6.6	D
n-Hexane	9	D
o-Xylene (1,2-Dimethylbenzene)	15	D
Propylene	160	D
Styrene	2.7	D
Tetrachloroethene (PCE)	ND	
Toluene	5.2	D
Trichlorofluoromethane	ND	
Total BTEX	44.5	
Total VOCs	1,420	

Notes:
1. WORLD STREET BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
2. SAMPLING LOCATIONS ARE APPROXIMATE
3. ONLY DETECTED COMPOUNDS ARE SHOWN.
4. VOC = VOLATILE ORGANIC COMPOUND
5. BTEX = BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
6. µg/m3 = MICROGRAMS PER CUBIC METER
7. AA = Ambient Air
8. SV = Soil Vapor
7. D = RESULT IS FROM AN ANALYSIS THAT REQUIRED A DILUTION
8. D = The concentration reported is a result of a diluted sample.
9. ND = NOT DETECTED

75 0 75
SCALE IN FEET

Legend
- Approximate Site Boundary
- Soil Vapor Sample Locations

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001-2727
T: 212.479.5400 F: 212.479.5444 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC

Collectively known as Langan

Project
240 HUNTINGTON STREET
BLOCK No. 477, LOT No. 8
BROOKLYN NEW YORK

Drawing Title
SOIL VAPOR SAMPLING ANALYTICAL RESULTS MAP

Project No.	170430001
Date	6/9/2021
Scale	1"=75'
Drawn By	JF
Submission Date	
Figure	10
	Sheet 11 of 11

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Path: \\langan.com\data\NYC\data0\170430001\ArcGIS\APRX\300Huntington_v3\300Huntington.aprx Date: 6/9/2021 User: mgeorgalas Time: 10:51 AM

APPENDIX A

PREVIOUS ENVIRONMENTAL REPORTS

APPENDIX B

GEOPHYSICAL SURVEY REPORT

HAGER-RICHTER
GEOSCIENCE, INC.

GEOPHYSICAL SURVEY
240 HUNTINGTON 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 21AF01
March, 2021

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HAGER-RICHTER
GEOSCIENCE, INC.

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

March 31, 2021
File 21AF01

Elizabeth Burgess, EIT
Senior Staff Engineer
LANGAN
21 Penn Plaza
360 W 31st Street, 8th Floor
New York, New York 10001-2727

Tel: 212.479.5499 x5631
Cell: 203.710.7157
Email: eburgess@langan.com

RE: Geophysical Survey
240 Huntington Street
Brooklyn, New York

Dear Ms. Burgess:

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 March 2021. The scope of the survey and area of interest were specified by LANGAN.

INTRODUCTION

The site is located at 240 Huntington Street, in Brooklyn, New York. The site is currently a gravel covered lot, approximately 320 ft x 200 ft in size. The general location of the site is shown in Figure 1. LANGAN required a geophysical survey to determine the locations of possible subsurface utilities, underground storage tanks (USTs), etc. LANGAN was also interested in clearing utilities at 12 proposed boring locations. Portions of the site were inaccessible due to the presence of a large pile of rubble, standing water and trailers. The sidewalk on Huntington Street was also inaccessible due to parked cars.

OBJECTIVE

The objective of the geophysical survey was to detect, and if detected, to locate possible utilities, USTs, etc. in the exterior accessible portions of the specified areas of interest, and to clear utilities in the vicinity of 12 proposed boring locations.

THE SURVEY

Alexis Martinez, Jose Cambero, P.G., and Amanda Fabian, P.G. of HRGS conducted the geophysical survey on March 1st and 2nd, 2021. The project was coordinated with Ms. Elizabeth

Burgess of LANGAN. Ms. Ashley Stappenbeck, also of LANGAN, was on site for the duration of the survey.

The geophysical survey of the specified area 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 areas of interest. The EM survey detects buried metal. However, the EM method cannot provide information on the type of objects causing an EM anomaly.

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 areas of interest. 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 hydrants, valves, and other exposed pipes or conduits.

The locations of utilities detected at the time of the survey with the PUL were marked on site and their locations were recorded with respect to the local survey grid for inclusion on the site plan. The geophysical data were reviewed in the office and additional utility segments were identified, and their locations are shown on the plan included in this report.

The proposed locations of the boreholes were marked in the field by LANGAN at the beginning of the survey. The locations of the proposed borings on the plan included in this report are shown as the final locations when the survey was completed. Utilities and other features detected in the vicinity of proposed borings were marked on the ground at the time of the survey. Ms. Stappenbeck was notified where proposed boring locations conflicted with detected utilities or features.

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 76 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 site specified by LANGAN. Figure 2 shows a color contour plot of the EM61 survey results, and Figure 3 shows the locations of the GPR traverses and the integrated interpretation of the geophysical data.

EM61. The EM61 data were acquired at approximately 8-inch intervals along survey lines spaced 5 feet apart across the accessible portions of the areas of interest. As indicated above, the results of the EM61 survey are shown in color contour form in Figure 2. 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 area of interest. Some anomalies are attributed to surface features such as chain link fencing, staged equipment, etc. The locations of anomalies attributed to surface metal objects are depicted as blue hatched areas in the integrated interpretation shown in Figure 3. 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.

Many EM anomalies, ranging from low to high amplitude and not attributable to surface metal, were detected throughout the AOI. 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 and their locations are shown on Figure 3 as red-hatched areas. Although the GPR records did not identify the cause for the large, buried metal anomaly along the eastern portion of the site, it may indicate the presence of metal possibly associated with a former bulkhead.

GPR Survey and Integrated Interpretation. The locations of the GPR traverses and the integrated interpretation of the geophysical data are shown in Figure 3. Apparent GPR signal penetration was good, with two-way travel time reflections received from 30-40 ns. Based upon site specific velocity matching calibrations, the GPR signal penetration is estimated to have been 4-5 feet.

The GPR records exhibit linear alignments of reflections interpreted as possible utilities or segments of utilities, and their locations are shown as black-dashed lines on Figure 3. Linear features detected on the eastern edge of the area of interest along the retaining wall are attributed to possible tiebacks associated with the wall. GPR reflections typical for underground storage tanks (USTs) were not observed in the GPR records. Whether other buried structures such as utilities or underground storage tanks (USTs) occur at a depth greater than the effective depth of investigation of the GPR (about 4-5 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

PUL. We also conducted a PUL survey in "passive" mode to detect signals carried by utilities from nearby power lines. An electric utility was detected in the street near the site entrance. No additional utilities were detected with the PUL. The locations of detected utilities are shown on Figure 3.

CONCLUSIONS

Based upon the geophysical survey conducted by HRGS at the 240 Huntington Street for LANGAN in March 2021, we conclude:

- Many areas of buried metal were detected throughout the area of interest.
- Unidentified possible utilities were detected throughout the site.
- Possible tiebacks were detected along the eastern edge of the area of interest.
- No other subsurface features, such as utilities or USTs, were detected within the effective depth of penetration of the GPR signal (about 4-5 feet).

LIMITATIONS ON USE OF THIS REPORT

This letter report was prepared for the exclusive use of LANGAN (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

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

Alexis Martinez
Senior Geophysicist

Attachments: Figures 1 – 3

N

H-R

APPROXIMATE SCALE (feet)

0 300 600

LOCATION

NOTE:

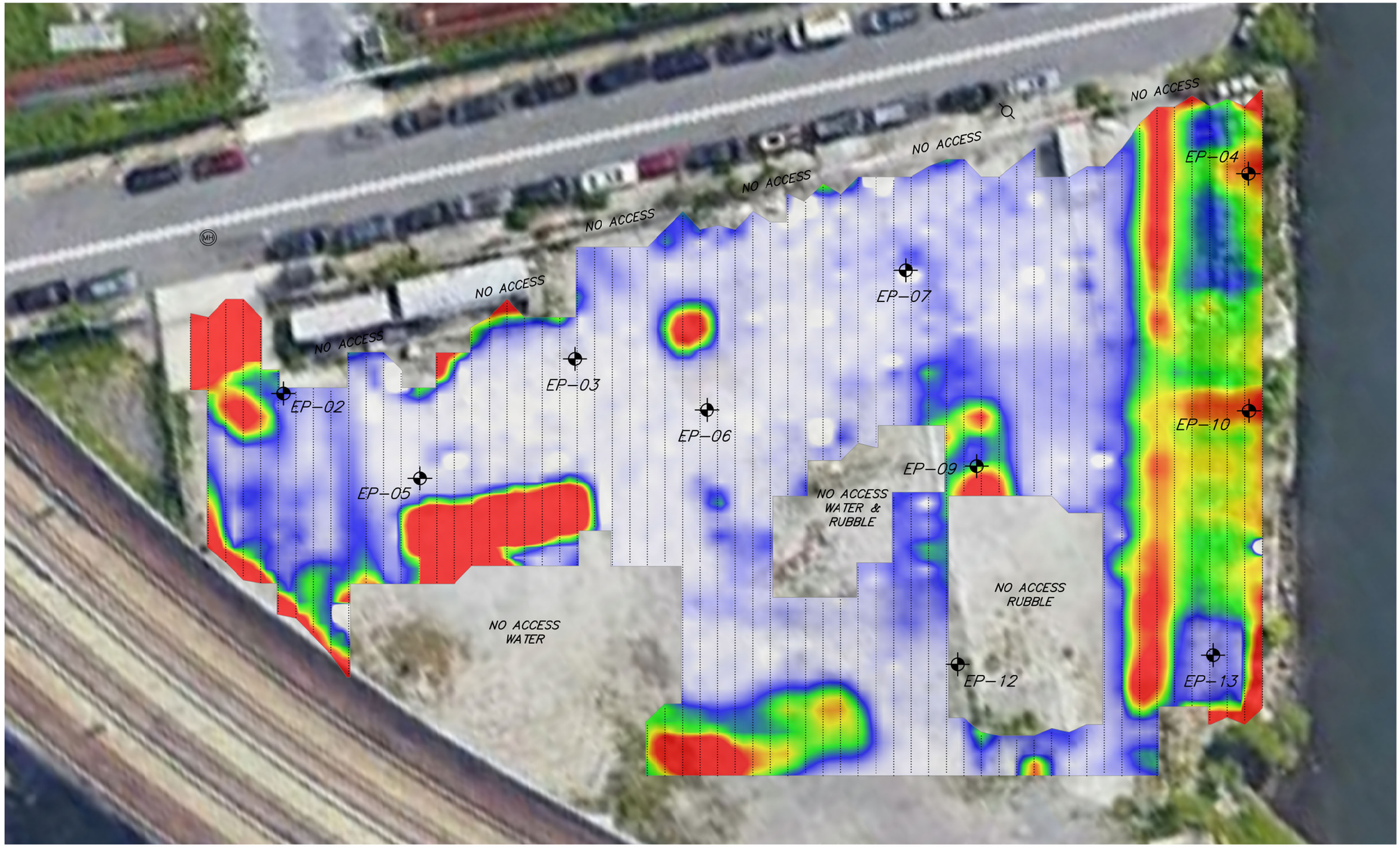
Modified from Google Earth Pro aerial photograph.

* DBA HR Geological Services in New York

Figure 1
General Site Location
240 Huntington Street
Brooklyn, New York

File 21AF01 | March, 2021

HAGER–RICHTER*
Salem, NH | Fords, NJ



LEGEND

- DATA STATIONS
- PROPOSED BORING
- UTILITY POLE
- MANHOLE

SCALE (feet)

0 30 60

NOTES:

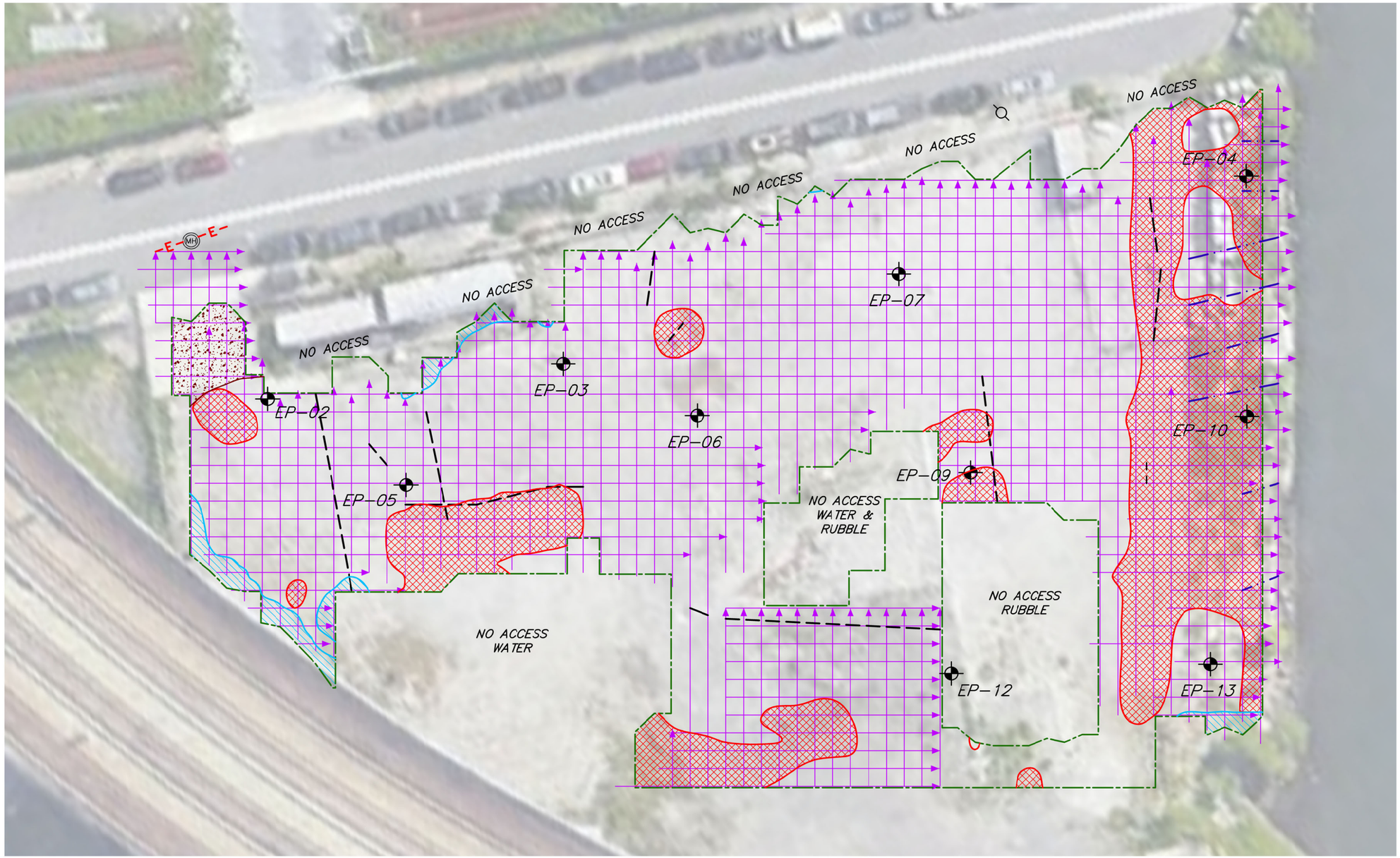
1. Modified from Google Earth Pro aerial photograph.
2. Data were acquired with Geonics EM61–MK2. Differential response shown.
3. Differential response equals top coil response – bottom coil response.

* DBA HR Geological Services in New York

Figure 2
EM Survey
240 Huntington Street
Brooklyn, New York

File 21AF01 | March, 2021

HAGER–RICHTER*
Salem, NH | Fords, NJ



N

LEGEND

- APPROXIMATE LIMITS OF EM SURVEY AREA
- GPR TRAVERSE
- AREA OF POSSIBLE BURIED METAL
- E — ELECTRIC LINE
- POSSIBLE UTILITY
- POSSIBLE TIEBACK
- AREA OF REINFORCED CONCRETE
- EM ANOMALY ATTRIBUTED TO EFFECTS OF SURFACE OBJECTS. THE PRESENCE OR ABSENCE OF BURIED METAL WITHIN THIS AREA CANNOT BE DETERMINED ON THE BASIS OF THE EM61 DATA ALONE.
- PROPOSED BORING
- UTILITY POLE
- MH — MANHOLE

SCALE (feet)

0 30 60

NOTE:

Modified from Google Earth Pro aerial photograph.

* DBA HR Geological Services in New York

Figure 3
GPR Survey &
Integrated Interpretation
240 Huntington Street
Brooklyn, New York

File 21AF01 | March, 2021

HAGER–RICHTER*
Salem, NH | Fords, NJ

APPENDIX C

SOIL BORING LOGS

LANGAN

Log of Boring **SB02/MW02** Sheet 1 of 2

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 15 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/08/2021 / Date Finished: 03/08/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 25 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 6 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 / Completion ▼ 9.7 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Lexi Haley
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-4"): Light gray fine SAND, some fine gravel, trace medium sand (dry)[FILL]	0					0.2	
		R1b (4-11"): Light gray fine SAND, trace fine gravel, concrete (dry)[FILL]	1					3.5	Sample SB02_0-0.5
			1					1.8	
			2	M-1	Macrocore	11/48			Samples SB02_0.5-2 and SODUP02_030821
			3						0-1 ft, petroleum-like odor
			4						
		R2a (0-13"): Gray fine SAND, trace fine gravel, concrete (dry)[FILL]	5					0.5	5-8 ft, petroleum-like odor
			5					0.4	
		R2b (13-26"): Grayish brown to black medium SAND, trace fine sand, trace fine gravel (moist)[FILL]	6	M-2	Macrocore	38/48		0.0	
			6					0.4	Sample SB02_6-8
		R2c (26-33"): Grayish brown to black medium SAND, some fine gravel, trace fine sand (wet)[FILL]	7 ▽					22.2	
			7					136.3	
		R2d (33-38"): Light gray to black medium SAND, some fine gravel, trace fine sand, timber (wet)[FILL]	8					5.8	8-10 ft, petroleum-like odor
		R3a (0-8"): Light gray to black medium SAND, some fine gravel, trace sand, timber (wet)[FILL]	8					29	
			9	M-3	Macrocore	18/24		4.8	
		R3b (8-18"): Reddish brown fine SAND, some clay, trace gravel (wet) [SC]	9 ▼					2.9	
			10						
			11						
			12	M-4	Macrocore	24/60			
		R4a (0-22"): Grayish brown CLAY, trace fine sand, trace fine gravel (wet) [CL]	13					1.2	
			13					0.0	
			14					0.0	Sample SB02_13-15
		R4b (22-24"): Grayish brown CLAY, some fine sand, trace fine gravel (wet) [CL]	14					0.0	
			15					0.0	
			16						
		R5a (0-24"): Brown fine SAND, trace medium sand (wet) [SP]	16					0.0	
			17					0.0	
			17	M-5	Macrocore	44/60		0.0	
			18					0.0	
		R5b (24-28"): Dark brown medium SAND, trace clay, trace coarse sand, trace fine gravel (wet) [SP]	18					0.0	
			19					0.0	
		R5c (28-34"): Dark brown medium SAND, trace clay, trace fine gravel (wet) [SP]	19					0.0	
			20					0.0	

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LANGAN

Log of Boring **SB02/MW02** Sheet 2 of 2

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 15 feet based on local topography map

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R5d (34-44"): Dark gray to black CLAY, trace fine sand (wet) [CL]	20						
			21						
			22	M-6	Macrocore	29/60		0.0	
		R6a (0-20"): Dark gray CLAY, peat nodules (wet) [CL]	23					0.0	
								0.0	
			24					0.8	
		R6b (20-29"): Dark gray to black silty CLAY, trace fine sand (wet) [CL]						0.0	
			25					0.0	EOB at 25. Set 10' of 0.010 slot screen 3' to 13'.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
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			43						
			44						
			45						

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Log of Boring **SB03/MW03** Sheet 1 of 2

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 11 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/05/3021 / Date Finished: 03/05/3021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 25 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 6 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 3 / Completion ▼ 4.3 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-11"): Brown to black fine SAND, trace silt, trace coarse sand, trace fine gravel (moist)[FILL]	0					2.4	
			1					139.2	Sample SB03_0-0.5
			2	M-1	Macrocore	11/48			Sample SB03_0.5-2
			3 ▽						
			4 ▼						
			5						
			6	M-2	Macrocore	16/48			
		R2a (0-10"): Brown to black fine SAND, trace silt, trace coarse sand, trace fine gravel, brick (wet)[FILL]	7					238.9	Sample SB03_6-8
		R2b (10-16"): Grayish brown fine SAND, trace silt, trace fine gravel (wet) [SP]	8					272.6 1013	7-7.5 ft, black staining
			9	M-3	Macrocore	4/24			
		R3 (0-4"): Grayish brown fine SAND, trace silt, trace fine gravel (wet) [SP]	10					51.5	
			11						
			12						
			13	M-4	Macrocore	17/60			
		R4 (0-17"): Brown fine SAND, trace clay, (wet) [SP]	14					1.8 4.9	
			15					10.7	
			16					1.4	
		R5a (0-41"): Brown fine SAND, trace clay, (wet) [SP]	17					1.7 1.8 2.1	
			18	M-5	Macrocore	50/60		1.5 2.2	
			19					1.8	
		R5b (41-50"): Gray fine SAND, trace clay, (wet) [SP]	20					1.4 1.1	

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Log of Boring **SB03/MW03** Sheet 2 of 2

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 11 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			20						
			21						
			22	M-6	Macrocore	22/60			Sample SB03_21-23
			23						
		R6a (0-6"): Gray CLAY, trace silt (moist) [CL]						2.0	
		R6b (6-18"): Dark brown PEAT (moist)	24					1.4	
								1.6	
		R6c (18-22"): Gray fine SAND (moist) [SP]	25					1.4	EOB at 25. Set 10' of 0.010 slot screen 2' to 12'.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **SB04** Sheet 1 of 1

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 9 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/02/2021 / Date Finished: 03/02/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 17 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 5 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 6 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-11"): Brownish brown fine SAND, trace coarse sand, trace fine gravel, brick (dry)[FILL]	0					0.0	
								0.0	Sample SB04_0-0.5
			1	M-1	Macrocore	11/48			
			2						
			3						
			4						
			5						
		R2a (0-25"): Brownish brown fine SAND, trace coarse sand, trace fine gravel, brick (dry)[FILL] ▽	6	M-2	Macrocore	29/48		0.0	
								0.0	
			7					0.0	Sample SB04_6-8
		R2b (25-29"): Brownish brown to gray fine SAND, trace coarse sand, trace fine gravel, brick (wet)[FILL]						0.7	
			8					0.8	
		R3a (0-12"): Brownish gray fine SAND, trace coarse sand, trace fine gravel, brick (wet)[FILL]						0.0	
			9	M-3	Macrocore	16/24		3.5	
		R3b (12-16"): Brownish gray fine SAND, trace silt (wet)[FILL]						12.5	
			10					11.2	
			11						
			12					19.1	12-13 ft, petroleum-like odor and black staining
		R4 (0-39"): Dark gray to black fine SAND, some clay (wet)[FILL]						119.7	
			13	M-4	Macrocore	39/60		4.2	Sample SB04_12-14
								5.4	
			14					3.6	
								4.2	
			15					4.1	
		R5a (0-18"): Light brown fine SAND, trace clay (wet)[FILL]						2.8	
			16	M-5	Macrocore	24/24		2.7	
		R5b (18-24"): Light brown fine SAND, trace clay, timber (wet)[FILL]						2.9	
			17					5.2	EOB at 17 (refusal). Backfilled with clean sand.
			18						
			19						
			20						

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Log of Boring **SB04A/MW04** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 8 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/09/2021 / Date Finished: 03/09/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 60 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 6 / Completion ▼ 5.3 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-21"): Light grayish brown fine SAND, trace coarse sand, trace fine gravel (dry)[FILL]	0	M-1	Macrocore	21/48		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4	M-2	Macrocore	0/48			No Recovery
			5 ▼						
			6 ▽						
			7						
			8	M-3	Macrocore	7/24			
		R3 (0-7"): Dark brown fine SAND, trace silt, trace coarse sand, trace fine gravel, timber (wet)[FILL]	9					2.1	9.25-10 ft, creosote-like odors
			10	M-4	Macrocore	37/60		40.3	
			11						
		R4 (0-37"): Grayish brown to black fine SAND, trace silt (wet) [SP]	12					20.5	
			13					8.7	
			14					38.4	12-15 ft, petroleum-like odor
			15					17.1	
			16					9.1	
			17					15.2	
			18	M-5	Macrocore	17/60		6.6	
		R5 (0-17"): Gray to black fine SAND, some clay (wet) [SC]	19					4.4	18.5-20 ft, coal tar-like odor
			20					4.1	
								2.3	

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Log of Boring **SB04A/MW04** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 8 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-50"): Gray fine SAND, trace silt (wet) [SP]	20						
			21	M-6	Macrocore	50/60		147.9	21-25 ft, coal tar-like odor
								233	
			22					292.1	
			23					264.1	
								280.4	
			24					347.9	
								229.5	
			25					354.8	
								467.8	
		R7 (0-37"): Gray to brown fine SAND, trace clay (wet) [SP]	26	M-7	Macrocore	37/60		480.9	27-30 ft, coal tar-like odor
			27					417.9	
								555.5	
			28					505.2	
								530.7	Sample SB04A_28-30
			29					549.3	29.5-30 ft, black staining
								709.5	
			30						
		R8 (0-35"): Gray to black fine SAND, trace clay (wet) [SP]	31	M-8	Macrocore	35/60			32-35 ft, coal tar-like odor
			32					559.5	32-33 ft, black staining
								341.2	
			33					151.9	
								128.5	
			34					63.2	
								141.6	
			35						
		R9 (0-32"): Gray silty fine SAND (wet) [SP]	36	M-9	Macrocore	32/60		34.4	27.5-40 ft, coal tar-like odor
			37					47.8	
								23.0	
			38					31.4	
								74.0	
			39					35.0	
			40						
		R10 (0-35"): Gray to black silty fine SAND, trace clay (wet) [SM]	41	M-10	Macrocore	35/60			42-45 ft, coal tar-like odor
			42					306.5	
								529.1	
			43					386.4	
								281.0	
			44					502.9	
								260.9	
			45						

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Log of Boring **SB04A/MW04** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 8 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R11 (0-33"): Gray to black silty fine SAND, trace clay (wet) [SM]	45	M-11	Macrocore	33/60		529.9	47.5-50 ft, coal tar-like odor
			46					512.8	47.5-49 ft, black staining
			47					376.9	
			48					280.0	
			49					158.8	
		R12a (0-28"): Gray CLAY, trace silt, trace fine sand (moist) [CL]	50	M-12	Macrocore	60/60		138.1	50-55 ft, coal tar-like odor
			51					107.8	
			52					105.3	
		R12b (28-60"): Gray CLAY, some fine sand, trace silt (moist) [CL]	53					104.9	
			54					80.9	
			55					81.2	
		R13a (0-52"): Gray CLAY, trace silt, trace fine sand (moist) [CL]	56	M-13	Macrocore	60/60		58.9	
			57					57.1	
			58					51.9	
			59					49.6	
		R13b (52-55"): Black fine SAND (wet) [SP]	60					56.8	55-60 ft, coal tar-like odor
		R13c (55-60"): Gray CLAY, trace silt, trace fine sand (moist) [CL]	61					41.3	
			62					41.5	
			63					37.7	
			64					32.6	
			65					32.0	
			66					29.1	Sample SB04A_58-60
			67					31.9	
			68					19.2	59-60 ft, black staining
			69					282.2	
			70					93.4	EOB at 60. Set 10' of 0.010 slot screen 3' to 13'.

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Log of Boring **SB05** Sheet 1 of 2

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 11 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/08/2021 / Date Finished: 03/08/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 25 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 6, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 5, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Lexi Haley
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-20"): Gray medium SAND, some fine gravel, trace fine sand, concrete (dry)[FILL]	0					0.0	
			1					0.5	0-2 ft, black staining and petroleum-like odor
								3.9	
		R1b (20-28"): Dark gray to black medium SAND, trace fine sand, trace fine gravel, concrete (dry)[FILL]	2	M-1	Macrocore	28/48		95.0	Sample SB05_0-2
			3					7.6	
			4						
			5 ▽						
			6	M-2	Macrocore	20/48			6-8 ft, black staining and petroleum-like odor
		R2 (0-20"): Brown to black medium SAND, concrete, some fine gravel, trace fine sand, timber (dry)[FILL]	7					15.0	
								12.0	
								24.0	
		R3a (0-12"): Brownish gray to black fine SAND, some fine gravel, trace clay (wet)[FILL]	8					250.0	8-10 ft, black staining and petroleum-like odor
								29.7	
		R3b (12-24"): Tannish brown CLAY, some fine sand, trace fine gravel (wet) [CL]	9	M-3	Macrocore	24/24		422.7	Sample SB05_8-10
								1409	
			10					655.5	
			11						
			12	M-4	Macrocore	18/60			
			13						
		R4a (0-6"): Brown fine SAND, trace clay (wet) [SP]						203.8	
		R4b (6-18"): Brown CLAY, trace fine sand (wet) [CL]	14					210.9	13.5-15 ft, petroleum-like odor
								30.0	
			15					2.2	
			16						
		R5a (0-11"): Grayish brown CLAY, some fine sand (wet) [CL]	17	M-5	Macrocore	38/60		4.8	
								0.6	
		R5b (11-25"): Dark gray sandy CLAY (wet) [CL]	18					0.0	
								0.0	
		R5c (25-38"): Dark gray CLAY, peat nodules (wet) [CL]	19					0.0	Sample SB05_18-20
								0.0	
			20					0.5	

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Log of Boring **SB05** Sheet 2 of 2

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 11 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6a (0-16"): Dark brown PEAT, trace clay (wet)	20	M-6	Macrocore	40/60		4.0	
			21					0.4	
			22					0.0	
		R6b (16-32"): Gray CLAY, trace silt (wet) [CL]	23					0.0	
			24					0.0	
		R6c (32-40"): Brownish gray SILT (wet) [ML]	25					0.0	EOB at 25. Backfilled with clean sand.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
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			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **SB06/MW06** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 11 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/04/2021 / Date Finished: 03/04/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 60 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 5.5 / Completion ▼ 5.1 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-35"): Brown to gray fine SAND, trace coarse sand, trace fine gravel, brick (dry)[FILL]	0	M-1	Macrocore	35/48		14.4	
			1					17.1	Sample SB06_0-0.5
								19.0	
			2					110.5	Sample SB06_0.5-2
								118.9	
			3					61.8	0-3 ft, petroleum-like odor
			4						
		R2a (0-5"): Brown to gray fine SAND, trace coarse sand, trace fine gravel, brick (dry)[FILL]	5	M-2	Macrocore	34/48			5-8 ft, petroleum-like odor
		R2b (5-26"): Black fine SAND, trace fine gravel, brick (wet)[FILL]	6					261.8	
								15,000	
								15,000	
			7					15,000	Samples SB06_6-8 and SODUP01_030421
		R2c (26-34"): Dark brown CLAY, trace fine sand, trace fine gravel (moist) [CL]						1,799	
			8					362.3	
		R3 (0-11"): Dark brown CLAY, trace fine sand (moist) [CL]	9	M-3	Macrocore	11/24			9-10 ft, petroleum-like odor
								3,937	
			10					218.4	
			11						
		R4 (0-36"): Brown fine SAND, trace clay, trace fine gravel (wet) [SP]	12	M-4	Macrocore	36/60		26.2	12-15 ft, petroleum-like odor
								27.1	
			13					20.9	
								6.7	
			14					5.3	
								4.2	
			15					6.4	
			16						
			17						
		R5a (0-18"): Brown fine SAND, trace silt, trace fine gravel (wet) [SP]		M-5	Macrocore	31/60		1.2	
			18					1.3	
								2.4	
		R5b (18-24"): Brown fine SAND, some clay, trace fine gravel (wet) [SC]	19					5.9	
								0.6	
			20					3.4	

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Log of Boring **SB06/MW06** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 11 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R5c (24-31"): Dark olive CLAY, trace fine sand, shell fragments (moist) [CL]	20						
			21						
			22						
		R6a (0-18"): Dark olive CLAY, trace fine sand, shell fragments (moist) [CL]	23	M-6	Macrocore	32/60		0.0 0.4	Sample SB06_22-24
		R6b (18-25"): Dark brown PEAT (moist)	24					0.0 0.0 0.0	
		R6c (25-32"): Brownish gray fine SAND, trace clay (moist) [SP]	25					2.1	
		R7a (0-28"): Brownish gray fine SAND, trace clay (moist) [SP]	26	M-7	Macrocore	42/60		0.0	
			27					0.0	
			28					0.0 0.0	
		R7b (28-38"): Light orangish brown fine SAND, trace clay (moist) [SP]	29					0.0 0.0	
		R7c (38-42"): Gray fine SAND, trace clay (moist) [SP]	30					0.0	
		R8a (0-7"):Gray fine SAND, trace clay (moist) [SP]	31	M-8	Macrocore	54/60		0.0 0.0	
		R8b (7-54"): Orangish brown to brown fine SAND (wet) [SP]	32					0.0	
			33					0.0 0.0	
			34					0.0 0.0	
			35	M-9	Macrocore	0/60		0.0	No Recovery
			36						
			37						
			38						
			39						
			40						
		R10 (0-43"): Brown fine SAND (wet) [SP]	41	M-10	Macrocore	43/60		0.0	
			42					0.0 0.0	
			43					0.0 0.0	
			44					0.0 0.0	
			45					0.0	

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Log of Boring **SB06/MW06** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 11 feet based on local topography map

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R11 (0-17"): Brown fine SAND (wet) [SP]	45						
			46						
			47	M-11	Macrocore	27/60		0.0	
			48					0.0	
		R11b (17-27"): Brown fine SAND, some silt (wet) [SM]	49					0.0	
								0.0	
		R12 (0-60"): Dark gray fine SAND, trace clay (wet) [SP]	50					0.0	
								0.0	
			51					0.0	
								0.0	
			52	M-12	Macrocore	60/60		0.0	
								0.0	
			53					0.0	
								0.0	
			54					0.0	
								0.0	
			55					0.0	
			56						
			57						
			58	M-13	Macrocore	10/60			
		R13 (0-10"): Dark gray fine SAND, trace clay (wet) [SP]	59					0.0	
			60					0.0	EOB at 60. Set 10' of 0.010 slot screen 2' to 12'.
			61						
			62						
			63						
			64						
			65						
			66						
			67						
			68						
			69						
			70						

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Log of Boring **SB07** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 12 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/04/2021 / Date Finished: 03/04/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 60 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-18"): Light gray fine SAND, trace clay, trace fine gravel, concrete, brick (dry)[FILL]	0	M-1	Macrocore	18/48		4.9	
			1					31.4	
								7.0	Sample SB07_0-2
			2						
			3						
			4	M-2	Macrocore	43/48		3.0	
								2.1	
			5					100.6	
		R2a (0-30"): Light gray fine SAND, trace clay, trace fine gravel, concrete, brick (dry)[FILL]						95.4	
			6					1167	Sample SB07_6-8
								3089	
		R2b (30-43"): Black fine SAND, trace clay, trace fine gravel, brick (moist)[FILL] ▽	7					8675	7-8 ft, black staining and petroleum-like odor
								838.4	
			8	M-3	Macrocore	19/24		148.9	
		R3 (0-19"):Brown CLAY, trace fine sand (moist) [CL]						112.3	
			9					41.5	
								26.9	
			10					12.8	
			11	M-4	Macrocore	38/60			
		R4 (0-38"): Brown CLAY, trace fine sand (moist) [CL]	12					8.0	
								5.6	
			13					5.4	
								5.3	Sample SB07_13-15
			14					1.1	
			15					2.1	
			16	M-5	Macrocore	30/60			
		R5a (0-20"): Brown CLAY, trace fine sand (moist) [CL]	17					0.0	
								0.0	
			18					0.5	
		R5b (20-26"): Brown fine SAND, trace clay, trace gravel (moist) [SP]	19					0.4	
								3.9	
			20					2.7	

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Log of Boring **SB07** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 12 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R5c (26-30"): Dark olive PEAT (moist) R6 (0-58"): Dark olive PEAT (moist)	20	M-6	Macrocore	58/60		0.0	
			21					0.0	
								0.0	
			22					0.0	
								0.0	
			23					0.0	
								0.0	
			24					0.0	
								0.0	
			25					0.0	
		R7a (0-49"): Olive silty fine SAND, trace clay (wet) [SP]		M-7	Macrocore	58/60		0.0	
			26					0.0	
								0.0	
			27					0.0	
								0.0	
			28					0.0	
								0.0	
			29					0.0	
		R7b (49-58"): Olive to gray CLAY, some fine sand, trace silt (wet) [CL]						0.0	
			30	M-8	Macrocore	49/60		0.0	
		R8a (0-46"): Light grayish brown fine SAND (wet) [SP]	31					0.0	
								0.0	
			32					0.0	
								0.0	
			33					0.0	
								0.0	
			34					83.9	
		R8b (46-49"): Light grayish brown fine SAND (wet) [SP]						0.0	34.5 ft, coal tar-like odor, gray staining, and sheen
			35	M-9	Macrocore	43/60			
			36						
		R9 (0-43"): Light grayish brown fine SAND (wet) [SP]						21.0	36.5-40 ft, coal tar-like odor, gray staining, and sheen
			37					23.9	
								14.4	
			38					4.9	
								4.5	
			39					6.2	
								2.6	
			40					2.3	
			41	M-10	Macrocore	27/60			
			42						
		R10 (0-27"): Brown to gray fine SAND (wet) [SP]	43					1.4	
								1.4	
			44					0.0	
								0.0	
			45						

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Log of Boring **SB07** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 12 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R11 (0-22"): Brownish gray fine SAND, trace clay (wet) [SP]	45	M-11	Macrocore	22/60		0.0	
			46						
			47						
			48					0.0	
			49					0.0	
			50					0.0	
		R12 (0-52"): Brownish gray fine SAND, some clay (wet) [SC]	51	M-12	Macrocore	52/60		0.0	
			52					0.0	
			53					0.0	
			54					0.0	
			55					0.0	
		R13 (0-49"): Brownish gray fine SAND, some clay (wet) [SC]	56	M-13	Macrocore	49/60		0.0	
			57					0.0	
			58					0.0	
			59					0.8	
			60					110	58-59 ft, coal tar-like odor, gray staining, and sheen
			61					1.5	
			62					1.1	
			63					0.0	
			64					0.0	EOB at 60. Backfilled with bentonite-grout slurry.
			65						
			66						
			67						
			68						
			69						
			70						

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Log of Boring **SB08** Sheet 1 of 2

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 11 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/08/2021 / Date Finished: 03/08/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 25 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 6 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 6 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Lexi Haley
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-24"): Light gray to black fine SAND, trace fine gravel, concrete (dry)[FILL]	0	M-1	Macrocore	24/48		0.0	
			1					0.0	Sample SB08_0-0.5
								0.0	
			2					0.0	Sample SB08_0.5-2
								0.0	
			3						
			4						
		R2a (0-9"): Light gray to black fine SAND, some fine gravel, concrete (moist)[FILL]	5	M-2	Macrocore	36/48		19.5	
		R2b (9-19"): Tannish brown SILT, trace clay (moist) [ML] ▽	6					3.5	
								0.4	
		R2c (19-36"): Tannish brown CLAY, trace silt (wet) [CL]						9.0	
			7					964.2	6-8 ft, petroleum-like odor
								602.7	
		R3a (0-14"): Tannish brown CLAY, trace silt (wet) [CL]	8					463.2	8-10 ft, petroleum-like odor
								525.9	
		R3b (14-24"): Tannish brown fine SAND, trace medium sand (wet) [SP]	9	M-3	Macrocore	24/24		1227	Sample SB08_8-10
								1196	
			10					18.6	
			11						
		R4 (0-35"): Light brown medium SAND, some clay, trace fine gravel (wet) [SC]	12	M-4	Macrocore	35/60			12-15 ft, petroleum-like odor
								132.8	
			13					238.4	
								173.1	
			14					14.8	
								206.1	
			15					10.9	
		R5a (0-24"): Dark brown medium SAND, trace silt, trace fine sand (wet) [SP]	16	M-5	Macrocore	48/60		0.1	16-18 ft, petroleum-like odor
								18.9	
			17					59.3	
								14.9	
		R5b (24-48"): Dark brown CLAY, peat nodules (wet) [CL]	18					13.3	
								4.9	
			19					1.4	Sample SB08_18-20
								1.4	
			20					30.0	

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Log of Boring **SB08** Sheet 2 of 2

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 11 feet based on local topography map

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6a (0-36"): Gray fine SAND, trace silt (wet) [SP]	20	M-6	Macrocore	60/60		9.1	20-22 ft, petroleum-like odor
			21					2.6	
			22					1.2	
			23					1.0	
		R6b (36-52"): Olive brown SILT (wet) [ML]	24					0.9	
			25					1.1	
		R6c (52-60"): Olive brown SILT (wet) [ML]	26					1.0	
			27					0.0	
			28					1.2	
			29					0.9	EOB at 25. Backfilled with clean sand.
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **SB09** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 12 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/02/2021 / Date Finished: 03/03/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 60 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 5.8 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-30"): Gray to brown fine SAND, trace coarse sand, trace fine gravel, brick (dry)[FILL]	0	M-1	Macrocore	30/48		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2a (0-15"): Gray to brown fine SAND, trace coarse sand, trace fine gravel, brick (dry)[FILL]	6	M-2	Macrocore	40/48		0.0	
		R2b (15-40"): Gray CLAY, trace silt, trace fine sand, trace coarse sand (moist)[FILL]	7					0.0	
			8					0.0	
		R3 (0-24"): Dark gray fine SAND, trace clay, trace silt, trace coarse sand, trace fine gravel (wet)[FILL]	9	M-3	Macrocore	24/24		5.2	8-10 ft, petroleum-like odor
			10					4.0	
			11					32	Sample SB09_8-10
			12	M-4	Macrocore	0/60		60.9	
			13					131.6	No Recovery
			14						
		R5a (0-30"): Black to brown CLAY, trace fine sand (wet) [CL]	15						
			16					8.1	
			17					6.1	
		R5b (30-60"): Brown CLAY, trace fine sand (wet) [CL]	18	M-5	Macrocore	60/60		5.2	
			19					6.4	
			20					2.3	
								4.6	
								3.5	
								6.6	Sample SB09_18-20
								12.4	
								2.9	

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Log of Boring **SB09** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 12 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6a (0-27"): Brown CLAY, some silt, trace fine sand (wet) [CL]	20	M-6	Macrocore	60/60		3.0	
			21					8.7	
								7.6	
			22					0.0	
		R6b (27-56"): Dark olive CLAY (wet) [CL]						0.5	
			23					2.0	
								1.2	
			24					0.0	
								0.0	
		R6c (56-60"): Dark brown fine SAND, trace clay (wet) [SP]	25					0.0	
		R7 (0-60"): Brown fine SAND (wet) [SP]		M-7	Macrocore	60/60		0.0	
			26					0.0	
								0.0	
			27					0.0	
								1.6	
			28					0.0	
								0.0	
			29					0.0	
								0.7	
			30					5.2	
		R8 (0-47"): Black fine SAND (wet) [SP]	31					827.3	31-35 ft, coal tar-like odor and black staining
			32	M-8	Macrocore	47/60		585.4	
								703.3	
			33					777	
								795.1	
			34					368.9	
								721.5	
			35					645.8	
			36						
		R9a (0-15"):Dark gray fine SAND (wet) [SP]	37					116.9	37-40 ft, coal tar-like odor
								201.6	
		R9b (15-31"): Dark gray fine SAND, trace clay (wet) [SP]	38	M-9	Macrocore	39/60		81.2	
								52	
		R9c (31-34"); Orangish brown fine SAND (wet) [SP]	39					34.4	
		R9d (34-39"): Black fine SAND (wet) [SP]						21.6	
			40					15	
			41						
		R10 (0-37"): Dark gray to black silty fine SAND (wet) [SM]	42					10.7	42-45 ft, coal tar-like odor
				M-10	Macrocore	37/60		0.0	
			43					8.4	42-43 ft, black staining
								40.1	
			44					77.9	
								42.3	
			45					243.0	

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Log of Boring **SB09** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 12 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			45						
			46						
			47	M-11	Macrocore	23/60			
		R11 (0-23"): Dark olive CLAY, trace fine sand (wet) [CL]	48						48-50 ft, coal tar-like odor
			49					28.1 30.4 26.5	
		R12 (0-60"): Dark grayish olive SILT (wet) [ML]	50					26.8 18.2	
			51					8.4 11.2	
			52	M-12	Macrocore	60/60		8.7	
			53					6.7 4.7	
			54					6.4 11	
			55					7.5 4.9	
		R13a (0-36"): Gray fine SAND, trace medium sand (wet) [SP]	56						
			57					4.8 4.9	
			58	M-13	Macrocore	46/60		7.5 14.3 114.8	58.5-60 ft, coal tar-like odors
		R13b (36-44"): Black fine SAND, trace clay (wet) [SP]	59					250.9	and black staining
		R13c (44-46"): Dark olive SILT, trace fine sand (wet) [ML]						326.1	
			60					84.6	EOB at 60. Backfilled with bentonite-grout slurry.
			61						
			62						
			63						
			64						
			65						
			66						
			67						
			68						
			69						
			70						

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Log of Boring **SB10/MW10** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 8 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/09/2021 / Date Finished: 03/09/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 65 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 / Completion ▼ 5.9 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-16"): Gray fine SAND, trace silt, trace coarse sand, trace fine gravel, concrete (dry)[FILL]	0	M-1	Macrocore	16/48		4.0	
			1					3.9	Sample SB10_0-2
			2					5.8	
			3						
			4	M-2	Macrocore	18/48			
			5						
			6						
		R2a (0-7"): Gray fine SAND, trace silt, trace coarse sand, trace fine gravel, concrete (dry)[FILL]	7					5.0	
		R2b (7-18"): Brown fine SAND, trace silt, trace coarse sand, trace fine gravel (wet)[FILL]	8					1.8	
				M-3	Macrocore	17/24		5.4	
		R3a (0-6"): Brown fine SAND, trace silt, trace coarse sand, trace fine gravel (wet)[FILL]	9					6.1	9-10 ft, black staining and petroleum-like odor
		R3b (6-17"): Black fine SAND, trace fine gravel, coal (wet)[FILL]	10					3.7	
			11	M-4	Macrocore	20/60			
			12						
		R4a (0-16"): Dark grayish brown fine SAND, trace clay, trace coarse sand, trace fine gravel (wet)[FILL]	13					13.8	Sample SB10_13-15
			14					56.3	13.5-15 ft, black staining and petroleum-like odor
		R4b (16-20"): Dark grayish brown fine SAND, some clay, trace coarse sand, trace fine gravel (wet)[FILL]	15					20.6	
			16					11.1	
			17	M-5	Macrocore	27/60			
		R5 (0-27"): Dark gray CLAY, trace fine sand (wet) [CL]	18					8.8	18-20 ft, black staining and petroleum-like odor
			19					5.2	
			20					7.7	
								6.0	
								5.5	

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Log of Boring **SB10/MW10** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 8 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			20						
			21						
		R6a (0-21"): Light gray silty fine SAND, trace clay (wet) [SM]	22	M-6	Macrocore	37/60		3.1	
								2.8	
			23					2.2	Sample SB10_22-24
								3.5	
		R6b (21-37"): Brown fine SAND (wet) [SP]	24					64.0	
								86.4	
			25					113.6	25-30ft, coal tar-like odor
		R7 (0-55"): Dark grayish brown fine SAND (wet) [SP]		M-7	Macrocore	55/60		72.5	
			26					212.5	
								126.7	
			27					132.3	
								151.2	
			28					134.9	
								148.9	28.5-30 ft, black staining
			29					137.8	
								227.9	
			30						
			31						
		R8 (0-44"); Dark grayish brown to black fine SAND (wet) [SP]						158.2	31.5-35 ft, coal tar-like odor
			32	M-8	Macrocore	44/60		155.0	
								217.2	
			33					160.7	
								117.9	
			34					195.2	
								46.3	34.5-35 ft, dark gray staining
			35					54.7	
			36						
		R9a (0-26"): Dark grayish brown to black fine SAND (wet) [SP]	37						37-40 ft, coal tar-like odor
				M-9	Macrocore	35/60		18.8	
			38					133.9	
								233.8	
		R9b (26-35"): Dark gray silty fine SAND (wet) [SP]	39					160.9	
								110.4	
			40					70	
			41						
			42						
				M-10	Macrocore	11/60			
			43						
			44						
		R10 (0-11"): Gray silty fine SAND (wet) [SP]						46.5	44-45 ft, coal tar-like odor
			45					28.9	

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Log of Boring **SB10/MW10** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 8 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			45						
			46						
			47	M-11	Macrocore	31/60			
		R11 (0-31"): Gray CLAY, trace fine sand (wet) [CL]	48					14.6	
								13.6	
			49					13.4	
								10.8	
			50					13.3	
								11.1	
			51						
		R12a (0-23"): Gray CLAY, trace fine sand (wet) [CL]	52	M-12	Macrocore	40/60		5.8	
								9.3	
			53					3.7	53-55 ft, coal tar-like odor
		R12b (23-40"): Dark gray fine SAND, trace clay (wet) [SP]						10.6	
			54					19.6	
								18.4	
			55					121.8	
			56						
			57	M-13	Macrocore	26/60			
		R13 (0-26"): Dark gray fine SAND, trace clay (wet) [SP]							
			58					150.9	58-60 ft, dark gray staining and coal tar-like odor
								139.5	
			59					140.6	Sample SB10_58-60
								142.2	
			60					204.7	EOB at 60. Set 10' of 0.010 slot screen 53' to 63' and 2' to 12' in same borehole.
			61						
			62						
			63						
			64						
			65						
			66						
			67						
			68						
			69						
			70						

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Log of Boring **SB11/MW11** Sheet 1 of 2

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 11 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/05/3021 / Date Finished: 03/05/3021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 25 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 6 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 6 / Completion ▼ 7.1 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-18"): Gray fine SAND, trace coarse sand, trace fine gravel, concrete (wet)[FILL]	0	M-1	Macrocore	18/48		0.0	Sample SB11_0-2
			1					0.0	
			2					0.0	
			3					0.0	
			4						
			5	M-2	Macrocore	26/48			
		R2a (0-14"): Brown fine SAND, trace coarse sand, trace fine gravel, concrete (wet)[FILL]	6 ▽					0.0	
			7 ▼					0.0	
		R2b (14-26"): Black fine SAND, trace clay, trace coarse sand, trace fine gravel (wet)[FILL]						0.0	
		R3a (0-19"): Black fine SAND, trace clay, trace coarse sand, trace fine gravel (wet)[FILL]	8	M-3	Macrocore	24/24		0.0	
			9					0.0	Sample SB11_8-10
		R3b (19-24"): Black fine SAND, trace clay, timber (wet)[FILL]						0.0	
			10	M-4	Macrocore	11/60		0.0	
			11						
			12						
			13						
		R4 (0-11"): Dark gray fine SAND, some clay, coal (wet)[FILL]	14					0.0	
			15					0.0	
		R5a (0-39"): Dark gray to black fine SAND (wet) [SP]	16	M-5	Macrocore	50/60		0.0	
			17					0.0	
			18					0.0	Sample SB11_18-20
			19					0.0	
		R5b (39-50"): Dark gray to black fine SAND, trace coarse sand, trace fine gravel, shell fragments (wet) [SP]	20					0.0	

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Log of Boring **SB11/MW11** Sheet 2 of 2

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 11 feet based on local topography map

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-44"): Olive silty fine SAND (wet) [SM]	20	M-6	Macrocore	44/60		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
			25					0.0	EOB at 25. Set 10' of 0.010 slot screen 2' to 12'.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **SB12/MW12** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 12 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/03/2021 / Date Finished: 03/03/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 60 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 / Completion ▼ 7.3 / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-24"): Light gray to brown fine SAND, trace fine gravel, concrete (dry)[FILL]	0					1.9	
			1					1.1	Sample SB12_0-0.5
								1.7	
			2	M-1	Macrocore	24/48		1.2	Sample SB12_0.5-2
								0.0	
			3						
		R2a (0-35"): Light gray to brown fine SAND, trace fine gravel, concrete (dry)[FILL]	4					0.0	
			5					0.0	
								0.0	
			6	M-2	Macrocore	45/48		0.0	
								0.0	
		R2b (35-45"): Dark brown to black fine SAND, trace coarse sand, trace fine gravel, brick (moist)[FILL]	7 ▽▼					7.7	
								3.1	
		R3a (0-12"): Dark gray fine SAND, trace fine gravel, brick (dry)[FILL]	8					1.5	
								1.1	
		R3b (12-19"): Dark gray fine SAND, trace clay, trace fine gravel, brick (wet)[FILL]	9	M-3	Macrocore	19/24		2.6	Sample SB12_8-10
								1.2	
		R4a (0-9"): Black fine SAND, trace clay, trace fine gravel, coal, timber (wet)[FILL]	10					5.2	8-10 ft, creosote-like odor
		R4b (9-41"): Black fine SAND, trace clay, trace fine gravel, coal (wet)[FILL]	11						
			12	M-4	Macrocore	41/60		12.1	12-15 ft, creosote-like odor
								8.2	
			13					14.0	
								3.9	
			14					1.7	
								1.5	
		R5a (0-7"): Black fine SAND, trace clay, trace fine gravel, coal (wet)[FILL]	15					1.2	
		R5b (7-47"): Dark black to olive CLAY, peat nodules (moist) [CL]	16						
								1.0	
			17	M-5	Macrocore	47/60		1.1	
								0.0	
			18					0.0	
								0.0	
			19					0.0	Sample SB12_18-20
								0.0	
			20					0.0	

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Log of Boring **SB12/MW12** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 12 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6a (0-34"): Dark black to olive CLAY, peat nodules (moist) [CL]	20					0.0	
			21					0.0	
								0.0	
			22	M-6	Macrocore	60/60		0.0	
								0.0	
		R6b (34-42"): Dark brown CLAY, trace fine sand, peat nodules (moist) [CL]	23					0.0	
		R6c (42-60"): Light grayish brown CLAY, trace fine sand (moist) [CL]						0.0	
			24					0.0	
								0.0	
			25					0.0	
		R7a (0-20"): Brown fine SAND, trace clay (wet) [SP]	26						
								0.0	
			27	M-7	Macrocore	45/60		0.0	
		R7b (20-28"): Tan silty fine SAND, trace clay (wet) [SP]						0.0	
		R7c (28-34"): Orangish olive fine SAND (wet) [SP]	28					0.0	Clay lenses from 28 to 30 feet bgs.
								0.0	
		R7d (34-45"): Orangish olive CLAY, trace fine sand (moist) [CL]	29					0.0	
								0.0	
		R8 (0-55"): Light brown fine SAND, trace clay (wet) [SP]	30					0.0	
								0.0	
			31					0.0	
								0.0	
			32	M-8	Macrocore	55/60		0.0	
								0.0	
			33					0.0	
								0.0	
			34					0.0	
								0.0	
		R9 (0-39"): Light brown fine SAND, trace coarse sand (wet) [SP]	35					0.0	
			36						
								0.0	
			37	M-9	Macrocore	39/60		0.0	
								0.0	
			38					0.0	
								0.0	
			39					0.0	
								0.0	
		R10 (0-34"): Light brown fine SAND, trace clay, trace coarse sand (wet) [SP]	40					0.0	
			41						
			42	M-10	Macrocore	34/60		0.0	
								0.0	
			43					0.0	
								0.0	
			44					0.0	
								0.0	
			45					0.0	

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Log of Boring **SB12/MW12** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 12 feet based on local topography map

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R11 (0-38"): Light brown SAND, trace coarse sand, trace fine gravel (wet) [SP]	45						
			46						
			47	M-11	Macrocore	38/60		0.0	
			48					0.0	
								0.0	
			49					0.0	
								0.0	
			50					0.0	
		R12 (0-29"): Light brown SAND (wet) [SP]	51						
			52	M-12	Macrocore	29/60			
			53					0.0	
								0.0	
			54					0.0	
								0.0	
			55					0.0	
		R13a (0-11"): Light brown fine SAND, trace clay (wet) [SP]	56						
		R13b (11-35"): Light brown SAND, trace coarse sand, trace fine gravel (wet) [SP]						0.0	
			57	M-13	Macrocore	35/60		0.0	
			58					0.0	
								0.0	
			59					0.0	
								0.0	
			60					0.0	EOB at 60. Set 10' of 0.010 slot screen 5' to 15'.
			61						
			62						
			63						
			64						
			65						
			66						
			67						
			68						
			69						
			70						

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Log of Boring **SB13** Sheet 1 of 3

Project: Monadnock - 240 Huntington Street	Project No.: 170430001
Location: 240 Huntington Street	Elevation and Datum: Approximately 8 feet based on local topography map
Drilling Company: Lakewood Environmental Services Corp.	Date Started: 03/03/2021 / Date Finished: 03/03/2021
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 60 ft / Rock Depth: N/A
Size and Type of Bit: 1.25-inch Dual Tube Steel Cutting Shoe	Number of Samples: Disturbed 13 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4- to 5-foot long Acetate Liner	Field Engineer: Ashley Stappenbeck
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Sample Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-33"): Light gray fine SAND, trace coarse sand, trace fine gravel, concrete (moist)[FILL]	0					0.0	Started Drilling at 3/3/2021 2:24 PM
			1					0.0	
								0.0	
			2	M-1	Macrocore	33/48		0.0	
								0.0	
			3					0.0	
			4						
			5						
			6	M-2	Macrocore	11/48			
		R2 (0-11"); Light gray fine SAND, trace coarse sand, trace fine gravel, concrete (moist)[FILL]	7 ▽						
								0.0	
			8					0.0	No Recovery
			9	M-3	Macrocore	0/24			
			10						
			11						
		R4 (0-37"): Dark gray to black fine SAND, trace silt, trace coarse sand, trace fine gravel (wet)[FILL]	12					93.8	12-15 ft, petroleum-like odor
				M-4	Macrocore	37/60		69.7	
			13					45.1	
								13.4	
			14					5.4	
								3.1	
			15					1.9	
			16						
			17	M-5	Macrocore	7/60			
			18						
			19					1.9	
		R5 (0-7"): Dark gray to black fine SAND, trace silt, trace coarse sand, trace fine gravel (wet)[FILL]	20					1.5	19.5-20 ft, petroleum-like odor

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Log of Boring **SB13** Sheet 2 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 8 feet based on local topography map

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-42"): Dark gray to gray fine SAND, trace clay (wet) [SP]	20						
			21						
			22	M-6	Macrocore	42/60		1.4	
			23					1.0	
								1.3	
			24					1.2	
								89.1	
			25					90.3	24.5-25 ft, dark gray staining and coal tar-like odor
		R7 (0-55"): Black silty fine SAND (wet) [SP]		M-7	Macrocore	55/60		69.7	25-30 ft, dark gray staining and coal tar-like odor
			26					33.7	
								22.8	
			27					23.7	
								30.8	
			28					70.7	
								103.9	
			29					120.8	
								206.8	
			30					48.1	
								218.9	
			31						
			32						
		R8 (0-31"): Black fine SAND (wet) [SP]		M-8	Macrocore	31/60		35.0	32.5-35 ft, dark gray staining and coal tar-like odor
			33					92.1	
								60.4	
			34					151.9	
								86.5	
			35					61.2	
			36						
			37						
				M-9	Macrocore	19/60			
			38						
		R9 (0-19"): Black to olive fine SAND, trace clay (wet) [SP]						72.6	38.5-40 ft, coal tar-like odor
			39					35.9	
								36.0	
			40					32.4	
			41						
			42						
		R10 (0-34"): Dark brown to black fine SAND, trace coarse sand, trace fine gravel (wet) [SP]		M-10	Macrocore	34/60			42-45 ft, coal tar-like odor
			43					4.7	
								4.0	
			44					8.7	
								4.7	
			45					13.2	

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Log of Boring **SB13** Sheet 3 of 3

Project	Project No.
Monadnock - 240 Huntington Street	170430001
Location	**Elevation and Datum**
240 Huntington Street	Approximately 8 feet based on local topography map

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			45					10.7	
			46						
		R11 (0-35"): Grayish brown silty fine SAND, trace clay (wet) [SM]	47	M-11	Macrocore	35/60			
			48					3.5	
								5.0	
			49					5.1	
								7.3	
			50					8.5	
								6.1	
			51						
		R12a (0-11"): Olive brown fine SAND, trace clay, trace coarse sand, trace fine gravel (wet) [SP]	52	M-12	Macrocore	34/60			
								5.0	
		R12b (11-20"): Olive brown CLAY (wet) [CL]	53					4.4	
								2.3	
		R12c (20-34"): Olive brown fine SAND, trace coarse sand, trace fine gravel (wet) [SP]	54					6.0	
								2.9	
			55					2.9	
			56						
			57	M-13	Macrocore	24/60			
		R13a (0-7"): Brown medium SAND, trace coarse sand, trace fine gravel (wet) [SP]	58					1.0	
		R13b (7-20"): Brown fine SAND, trace fine gravel (wet) [SP]	59					3.2	
		R13c (20-24"): Brown fine SAND, trace clay (wet) [SP]						1.7	
			60					2.1	EOB at 60. Backfilled with bentonite-grout slurry.
			61						
			62						
			63						
			64						
			65						
			66						
			67						
			68						
			69						
			70						

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APPENDIX D

MONITORING WELL CONSTRUCTION LOGS

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW02

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 14.87 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/8/2021	3/8/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Lexi Haley	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance the boring to approximately 25 feet below grade surface (bgs). The Geoprobe® 6610 DT was then fitted with 4.25-inch augers to widen the borehole down to approximately 13 feet bgs. The borehole was backfilled with clean sand to about 13 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 3 and 13 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 1 foot bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 8, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/8/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5 gallons	

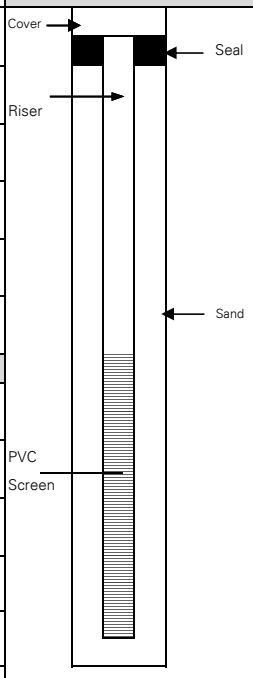
	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	0
TOP OF FILTER	N/A	1
TOP OF SCREEN	N/A	3
BOTTOM OF BORING	N/A	13
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
5.35	3/19/2021 (AM)	9.52
5.39	3/19/2021 (PM)	9.48
5.19	3/24/2021	9.68
5.38	4/23/2021	9.49

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	3.00
	13.00

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21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW03

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 10.87 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/5/2021	3/5/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Ashley Stappenbeck	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance the boring to approximately 25 feet below grade surface (bgs). The Geoprobe® 6610 DT was then fitted with 4.25-inch augers to widen the borehole down to approximately 12 feet bgs. The borehole was backfilled with clean sand to about 12 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 2 and 12 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 1 foot bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 5, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/5/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	4 gallons	

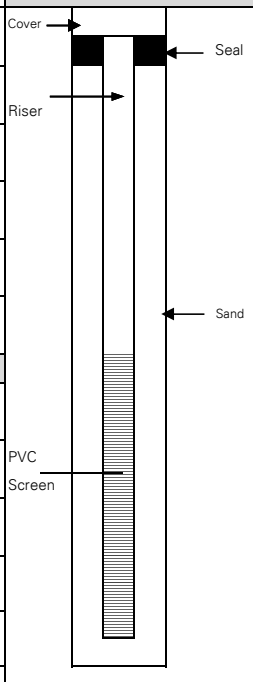
	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	0
TOP OF FILTER	N/A	1
TOP OF SCREEN	N/A	2
BOTTOM OF BORING	N/A	12
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
6.95	3/19/2021 (AM)	3.92
6.96	3/19/2021 (PM)	3.91
6.58	3/24/2021	4.29
6.55	4/23/2021	4.32

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	12.00

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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW04

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 7.43 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/11/2021	3/11/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Ashley Stappenbeck	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance the boring to approximately 60 feet below grade surface (bgs). The Geoprobe® 6610 DT was then fitted with 4.25-inch augers to widen the borehole down to approximately 13 feet bgs. The borehole was backfilled with bentonite to about 13 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 3 and 13 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 1 foot bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 11, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/11/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	3 gallons	

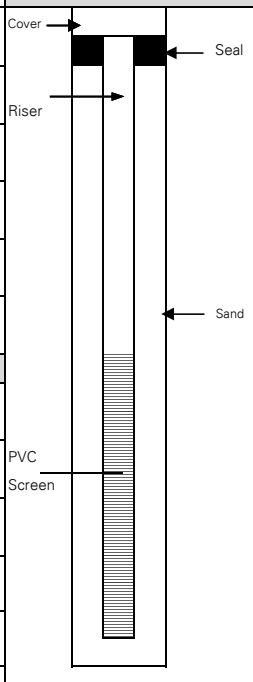
	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	0
TOP OF FILTER	N/A	1
TOP OF SCREEN	N/A	3
BOTTOM OF BORING	N/A	13
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
2.16	3/24/2021	5.27
2.25	4/23/2021	5.18

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW06

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 11.19 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/8/2021	3/8/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Lexi Haley	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance 4.25-inch augers to approximately 12 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 2 and 12 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 1 foot bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 8, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/8/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5 gallons	

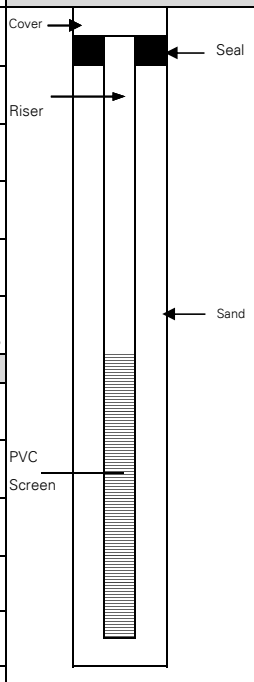
	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	0
TOP OF FILTER	N/A	1
TOP OF SCREEN	N/A	2
BOTTOM OF BORING	N/A	12
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
6.01	3/19/2021 (AM)	5.18
5.97	3/19/2021 (PM)	5.22
6.05	3/24/2021	5.14
6.18	4/23/2021	5.01

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	12.00

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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW10

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 7.97 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/10/2021	3/10/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Ashley Stappenbeck	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance the boring to approximately 60 feet below grade surface (bgs). MW10D was installed in the bottom of the borehole, as shown in the MW10D Construction Log. The Geoprobe® 6610 DT was then fitted with 4.25-inch augers to widen the borehole down to approximately 13 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 3 and 13 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 1 foot bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 10, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/10/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	7 gallons	

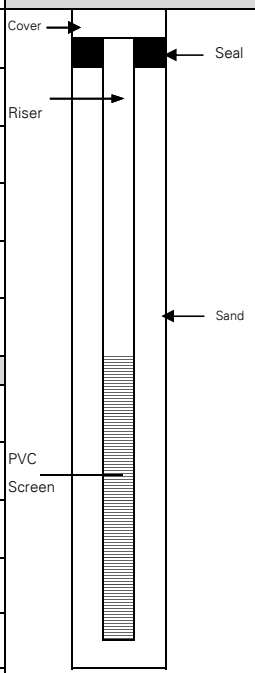
TOP OF CASING ELEVATION	DEPTH (ft)
0	0
TOP OF SEAL ELEVATION	**DEPTH (ft)**
N/A	0
TOP OF FILTER ELEVATION	**DEPTH (ft)**
N/A	1
TOP OF SCREEN ELEVATION	**DEPTH (ft)**
N/A	2
BOTTOM OF BORING ELEVATION	**DEPTH (ft)**
N/A	13
SCREEN LENGTH	10'
SLOT SIZE	No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
2.26	3/19/2021 (AM)	5.71
2.23	3/19/2021 (PM)	5.74
2.11	3/24/2021	5.86
2.14	4/23/2021	5.83

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.00
	2.00
	13.00

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21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW10D

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 8.08 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/10/2021	3/10/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Ashley Stappenbeck	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

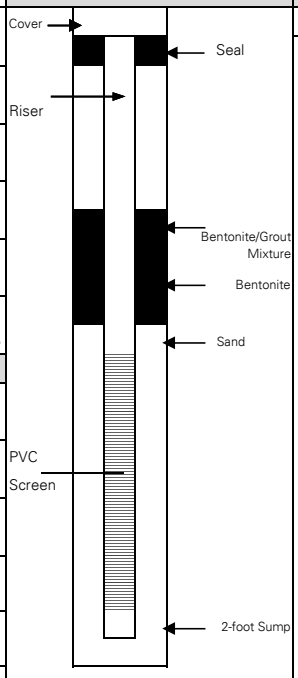
A Geoprobe® 6610 DT was used to advance the boring to approximately 60 feet below grade surface (bgs) and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 53 and 63 feet bgs with a 2-foot sump to 65 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to 51 feet bgs, then bentonite to 45 feet bgs, then a bentonite-grout seal to 40 feet bgs and then sand to the base of MW10 (as shown in the MW10 Construction Log). The well was developed by Lakewood Environmental Services, Corp. on March 10, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/10/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	17 gallons	

	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	40
TOP OF FILTER	N/A	51
TOP OF SCREEN	N/A	53
BOTTOM OF BORING	N/A	65
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	40.00
	51.00
	53.00
	63.00
	65.00

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
2.39	3/19/2021 (AM)	5.69
2.22	3/19/2021 (PM)	5.86
2.17	3/24/2021	5.91
2.17	4/23/2021	5.91

*MEASURED FROM TOP OF MONITORING WELL CASING

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21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW11

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 10.97 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/5/2021	3/5/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Ashley Stappenbeck	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance the boring to approximately 25 feet below grade surface (bgs). The Geoprobe® 6610 DT was then fitted with 4.25-inch augers to widen the borehole down to approximately 12 feet bgs. The borehole was backfilled with clean sand to about 12 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 2 and 12 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 1 foot bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 5, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/5/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5 gallons	

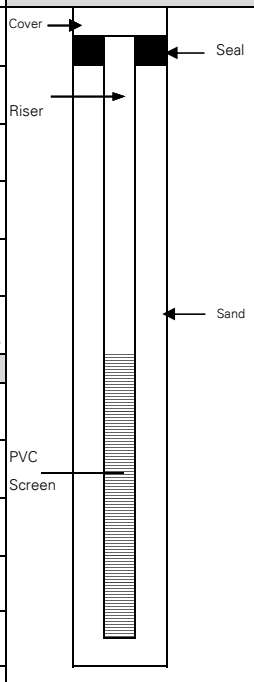
	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	0
TOP OF FILTER	N/A	1
TOP OF SCREEN	N/A	2
BOTTOM OF BORING	N/A	12
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
4.05	3/19/2021 (AM)	6.92
4.09	3/19/2021 (PM)	6.88
3.87	3/24/2021	7.10
4.18	4/23/2021	6.79

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.00
	2.00
	12.00

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW12

PROJECT		PROJECT NO.	
240 Huntington Street		170430001	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, New York		Approx. 12.16 feet NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		3/3/2021	3/3/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Ashley Stappenbeck	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe® 6610 DT was used to advance the boring to approximately 60 feet below grade surface (bgs). The Geoprobe® 6610 DT was then fitted with 4.25-inch augers to widen the borehole down to approximately 15 feet bgs. The borehole was backfilled with bentonite to about 15 feet bgs and a 2-inch PVC monitoring well was installed, which consisted of 10 feet of 10-slot (0.010-inch) well screen between 5 and 15 feet bgs and a solid 2-inch riser to grade surface. The annulus was filled with sand to about 3 feet bgs and sealed to grade with bentonite and grout. The well was developed by Lakewood Environmental Services, Corp. on March 5, 2021.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	2.2 gpm	Confirmed by Langan on 3/5/2021.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5 gallons	

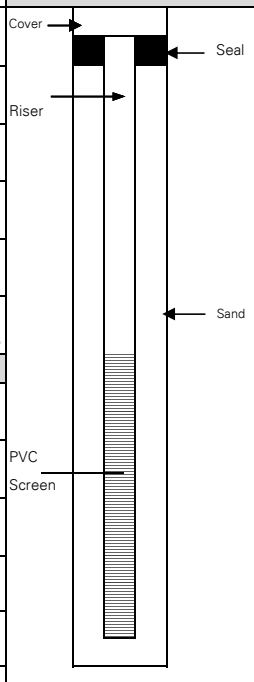
	ELEVATION	DEPTH (ft)
TOP OF CASING	0	0
TOP OF SEAL	N/A	0
TOP OF FILTER	N/A	3
TOP OF SCREEN	N/A	5
BOTTOM OF BORING	N/A	15
SCREEN LENGTH		10'
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
4.88	3/19/2021 (AM)	7.28
4.88	3/19/2021 (PM)	7.28
4.84	3/24/2021	7.32
5.18	4/23/2021	6.98

*MEASURED FROM TOP OF MONITORING WELL CASING

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.00
	3.00
	5.00
	15.00

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APPENDIX E

GROUNDWATER SAMPLING LOGS

GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW02	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Rainy, 40s	**Sample(s):**	MW02_031821
Project Number:	**170430001**	**Well Depth:**	13	**Pine Number:**	**21337**	**Background PID (ppm):**	0.0		
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	41.7		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	3 13	**Pine Number:** **Tubing Diameter:**	**44495** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	11.00 N/A	**Sample Date:** **Sample Time:**	3/18/2021 17:45

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
9:50	9.86	12.56	-267	0.73	31.1	1.76		0.0	0		**N/A**
9:55	10.28	12.63	-263	0.88	29.60	0.83		0.1	0.5	Well ran dry	**N/A**
10:00											**N/A**
10:05											**N**
10:10											**N**
10:15											**N**
10:20											**N**
10:25											**N**
10:30											**N**
10:35											**N**
10:40											**N**
10:45											**N**
10:50											**N**
10:55											**N**
11:00	9.80	12.88	-229	0.98	88.9	1.03		0.0	1		**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

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GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW03	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Sunny, 50s-60s	**Sample(s):**	MW03_021221
Project Number:	**170430001**	**Well Depth:**	12	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0		
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	112.2		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	2 12	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	10.00 N/A	**Sample Date:** **Sample Time:**	3/12/2021 9:55

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:55	8.15	6.57	-115	0.45	76.9	0.00		0.0	0	petroleum-like odo	**N/A**
9:00	7.75	6.77	-140	0.45	121.00	0.00		0.1	0.5	Well ran dry	**N/A**
9:05	7.50	6.95	-160	0.45	281.00	0.00		0.1	1		**N/A**
9:10	7.47	7.07	-166	0.45	800.00	0.00		0.1	1.5	gray	**N**
9:15	7.62	7.14	-159	0.45	800.00	0.00		0.1	2		**N**
9:20	7.69	7.17	-144	0.45	547.00	0.66		0.1	2.5		**N**
9:25	7.57	7.20	-122	0.45	204.00	2.82		0.15	3.25		**N**
9:30	7.61	7.21	-115	0.45	112.0	3.21		0.05	3.5		**N**
9:35	7.90	7.21	-114	0.44	81.9	2.72		0.2	4.5		**N**
9:40	7.88	7.20	-114	0.45	74.0	2.74		0.1	5		**N**
9:45	7.88	7.21	-114	0.45	67.2	2.92		0.1	5.5	Horiba shut off	**N**
9:50	8.24	7.23	-119	0.45	71.5	3.07		0.1	6		**N**
9:55	8.29	7.25	-119	0.44	68.5	2.31		0.1	6.5		**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW04	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Sunny, 30s-40s	**Sample(s):**	MW04_031921
Project Number:	**170430001**	**Well Depth:**	13	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0		
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	7.3		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	3 13	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	11.00 N/A	**Sample Date:** **Sample Time:**	3/19/2021 15:00

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:26	9.82	9.22	-107	3.50	999.0	1.72		0.0	0	brown, sheen	**N/A**
11:31	10.45	9.83	-145	3.54	919.00	0.30		0.1	0.5	Well ran dry	**N/A**
11:36	10.47	10.55	-148	2.97	703.00	0.00		0.05	0.75		**N/A**
11:41	10.24	12.00	-99	1.61	701.00	0.00		0.1	1.25		**N**
11:46								-0.25		well ran dry	**N**
11:51								0			**N**
11:56								0			**N**
12:01								0			**N**
12:06								0			**N**
12:11								0			**N**
12:16								0			**N**
								0			**N**
12:24	10.43	12.26	-73	1.73	355.0	4.58		0.0	1.5		**N**
12:29	11.00	11.41	-80	3.02	201.00	2.55		0.025	1.625		**N**
12:34	10.87	10.89	-68	31.00	191.00	3.87		0.025	1.75	well ran dry	**N**
12:39								-0.35			**N**
12:44											**N**
12:49											**N**
12:54											**N**
12:59											**N**
13:04											**N**
											N
13:15	11.08	10.43	8	3.31	999.0	4.75		0.0	2	well ran dry	**N**
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW04	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Rainy, 40s-50s		MW04_032421
Project Number:	**170430001**	**Well Depth:**	13	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	30.7		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	3 13	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	11.00 N/A	**Sample Date:** **Sample Time:**	3/24/2021 10:00

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:48	10.78	8.65	-202	2.87	109.0	0.00		0.0	0	y color, creosote-lik	**N/A**
8:53	10.72	9.20	-223	2.86	114.00	0.00		0.1	0.5	Well ran dry	**N/A**
8:58	10.72	9.24	-221	2.85	142.00	0.00		0.05	0.75		**N/A**
9:03	10.81	9.23	-193	2.81	222.00	0.00		0.1	1.25	well ran dry	**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
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											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW06	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Rainy, 40s		MW06_031821
Project Number:	**170430001**	**Well Depth:**	12	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	444.0		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	2 12	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	10.00 N/A	**Sample Date:** **Sample Time:**	3/18/2021 10:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:58	8.69	5.60	192	0.71	413.0	2.19		0.0	0	petroleum-like odor	**N/A**
9:03	8.90	7.93	124	0.68	168.00	0.00		0.1	0.5	Well ran dry	**N/A**
9:08	8.87	8.52	108	0.67	140.00	0.00		0.1	1		**N/A**
9:13	8.61	8.83	58	0.67	205.00	0.00		0.1	1.5		**N**
9:18	8.54	8.88	22	0.67	410.00	0.00		0.1	2		**N**
9:23	8.55	8.92	-20	0.67	450.00	0.00		0.1	2.5	horiba shut off	**N**
9:28	8.37	8.99	-71	0.69	962.00	0.00		0.1	3		**N**
9:33	8.73	8.98	-75	0.69	986.0	0.00		0.1	3.5		**N**
9:38	8.76	8.95	-85	0.69	999.0	0.00		0.1	4		**N**
9:43	8.84	8.95	-95	0.70	999.0	0.00		0.1	4.5		**N**
9:48	8.94	8.94	-101	0.71	999.0	0.00		0.1	5		**N**
9:53	8.98	8.89	-83	0.72	999.0	0.00		0.1	5.5		**N**
9:58	9.00	8.89	-77	0.73	999.0	0.27		0.1	6		**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

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GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW10	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Rainy, 40s		MW10_031821
Project Number:	**170430001**	**Well Depth:**	2	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	17.9		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	2 12	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	10.00 N/A	**Sample Date:** **Sample Time:**	3/18/2021 8:45

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
7:44	12.53	6.17	188	2.54	27.9	4.04		0.0	0		**N/A**
7:49	10.70	7.74	-139	2.71	17.60	0.30		0.1	0.5	Well ran dry	**N/A**
7:54	9.29	7.83	-153	2.74	14.50	0.13		0.05	0.75	light brown	**N/A**
7:59	9.68	7.86	-159	2.74	9.70	0.07		0.05	1		**N**
8:04	9.55	7.87	-165	2.85	7.30	0.02		0.1	1.5		**N**
8:09	9,50	7.87	-173	5.81	6.20	0.03		0.05	1.75	horiba shut off	**N**
8:14	9.48	7.86	-180	6.00	5.60	0.00		0.05	2		**N**
8:19	9.52	7.85	-194	6.09	5.8	0.10		0.05	2.25		**N**
8:24	9.44	7.88	-209	6.14	5.5	0.00		0.05	2.5	dark grey in color	**N**
8:29	9.42	7.87	-235	6.68	3.2	0.00		0.1	3		**N**
8:34	9.40	7.88	-234	6.80	2.6	0.00		0.05	3.25		**N**
8:39	9.43	7.90	-269	7.16	2.9	0.00		0.1	3.75		**N**
8:44	9.39	7.92	-280	7.28	2.4	0.00		0.05	4		**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
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											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

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GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW10D	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Sunny, 30s-40s	**Sample(s):**	MW10D_031921
Project Number:	**170430001**	**Well Depth:**	65	**Pine Number:**	**24226**	**Background PID (ppm):**	0.0		
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	4.7		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	53 63	**Pine Number:** **Tubing Diameter:**	**44495** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	60.00 N/A	**Sample Date:** **Sample Time:**	3/19/2021 9:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:20	11.23	8.39	-135	14.30	999.0	0.00		0.0	0	dark gray silt	**N/A**
8:25	11.51	8.38	-136	13.70	223.00	0.00		0.1	0.5	Well ran dry	**N/A**
8:30	11.67	8.23	-138	12.90	63.70	0.00		0.1	1		**N/A**
8:35	11.68	8.18	-138	12.80	36.20	0.00		0.1	1.5		**N**
8:40	11.73	8.18	-138	12.40	27.70	0.00		0.05	1.75		**N**
8:45	12.01	8.20	-135	10.70	23.50	0.00		0.1	2.25	horiba turned off	**N**
8:50	12.00	8.20	-135	10.20	24.70	0.00		0.1	2.75		**N**
8:55	11.84	8.19	-134	9.89	25.7	0.00		0.05	3		**N**
9:00	11.79	8.17	-132	9.39	27.7	0.00		0.1	3.5		**N**
9:05	11.76	8.17	-132	9.21	27.9	0.00		0.05	3.75		**N**
9:10	11.68	8.17	-131	8.87	36.4	0.00		0.05	4		**N**
9:15	11.57	8.16	-130	8.62	40.6	0.00		0.1	4.5		**N**
9:20	11.58	8.16	-130	8.50	46.3	0.00		0.05	4.75		**N**
9:25	11.73	8.16	-129	8.34	68.2	0.00		0.05	5		**N**
											N
											N
											N
											N
											N
											N
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											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

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GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW11	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Sunny, 50s-60s	**Sample(s):**	MW11_031221
Project Number:	**170430001**	**Well Depth:**	12	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0		
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	28.7		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	2 12	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	10.00 N/A	**Sample Date:** **Sample Time:**	3/12/2021 11:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:45	9.56	9.33	-153	0.24	150.0	0.00		0.0	0	DO is 14.32	**N/A**
10:50	8.78	9.75	-199	0.24	70.10	0.00		0.1	0.5	Well ran dry	**N/A**
10:55	8.79	9.50	-200	0.23	89.10	0.00		0.9	5		**N/A**
11:00	8.83	9.48	-200	0.23	81.00	0.00		0.1	5.5	brownish	**N**
11:05	8.78	9.43	-200	0.23	54.90	0.00		-0.1	5		**N**
11:10	8.73	9.41	-202	0.23	42.50	0.00		0.4	7		**N**
11:15	8.69	9.40	-204	0.23	35.60	0.00		0.2	8	Horiba shut off	**N**
11:20	8.67	9.40	-206	0.23	30.4	0.00		0.2	9		**N**
11:25	8.67	9.39	-207	0.23	28.9	0.00		0.15	9.75		**N**
11:30	8.68	9.41	-209	0.23	28.2	0.00		0.2	10.75		**Y**
											N
											N
											N
											N
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											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

GROUND WATER SAMPLE FIELD INFORMATION FORM

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	**240 Huntington Street**	**Well No:**	MW12	**Water Quality Device Model:**	**Horiba U-50**	**Weather:**	Sunny, 50s-60s	**Sample(s):**	MW12_031221
Project Number:	**170430001**	**Well Depth:**	15	**Pine Number:**	**25344**	**Background PID (ppm):**	0.0		
Site Location:	**Brooklyn, NY**	**Well Diameter:**	2-inch	**Pump Make and Model:**	**Peristaltic**	**PID Beneath Inner Cap (ppm):**	17.9		
Sampling Personnel:	**Ashley Stappenbeck**	**Well Screen Interval:**	5 15	**Pine Number:** **Tubing Diameter:**	**43233** **1/4" ID x 3/8" OD**	**Pump Intake Depth:** **Depth to Water Before Purge:**	13.00 N/A	**Sample Date:** **Sample Time:**	3/12/2021 14:15

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) <0.13 gpm)	Cumulative Discharge Volume (L)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:13	12.04	12.14	-200	1.61	999.0	0.16		0.0	0		**N/A**
13:18	8.95	12.51	-287	1,70	560.00	0.00		0.1	0.5	Well ran dry	**N/A**
13:23	7.99	12.50	-299	1.69	470.00	0.00		0.2	1.5		**N/A**
13:28	7.64	12.50	-307	1.63	152.00	0.00		0.1	2		**N**
13:33	7.53	12.60	-309	1.60	49.00	0.00		0.1	2.5		**N**
13:38	7.45	12.50	-310	1.58	81.60	0.00		0.1	3		**N**
13:43	7.47	12.45	-311	1.56	462.00	0.00		0.1	3.5		**N**
13:48	7.33	12.49	-312	1.55	26.7	0.00		0.2	4.5		**N**
13:53	7.34	12.48	-311	1.54	37.2	0.00		0.15	5.25		**N**
13:58	7.42	12.47	-310	1.54	12.0	0.00		0.2	6.25		**N**
14:03	7.43	12.48	-310	1.55	9.1	0.00		0.1	6.75		**N**
14:08	7.44	12.47	-310	1.54	7.9	0.00		0.1	7.25		**N**
14:13	7.40	12.47	-311	1.53	10.1	0.00		0.1	7.75		**N**
											N
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											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemans per centimeter
10. NTU = Nephelometric Turbidity Unit

APPENDIX F

SOIL VAPOR POINT CONSTRUCTION AND SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: AA01

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: N/A	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 60s °F; Wind: W 6-9 mph; Precipitation: N/A; Pressure: 30.29 in. Hg

METHOD OF INSTALLATION AND PURGING:
N/A

TUBING TYPE/DIAMETER: N/A	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: N/A	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** N/A
BOREHOLE DIAMETER: N/A	**FILTER PACK MATERIAL (Sand or Glass Beads):** N/A

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	0.0	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	N/A	N/A
HELIUM TEST IN TUBE (PPM):	N/A	N/A
SAMPLE START DATE/TIME:	12:12	
SAMPLE STOP DATE/TIME:	14:24	
TOTAL SAMPLE TIME (MIN):	132	
FLOW RATE (L/MIN):	0.043	
VOLUME OF SAMPLE (LITERS):	5.676	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	23802	
REGULATOR SERIAL NUMBER:	13562	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-7.5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE … SURFACE: **N/A**		

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV02

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 30s °F; Wind: NW 12-14 mph; Precipitation: N/A; Pressure: 29.89 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV02 was installed by advancing a borehole to 4 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	1.3	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	26.9%	21.8%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	12:16	
SAMPLE STOP DATE/TIME:	14:11	
TOTAL SAMPLE TIME (MIN):	115	
FLOW RATE (L/MIN):	0.04	
VOLUME OF SAMPLE (LITERS):	4.6	
PID AFTER SAMPLE (PPM):	0.9	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	Y68	
REGULATOR SERIAL NUMBER:	Y-35	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-6.5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV03

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/9/2021 **DATE FINISHED:** 3/9/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/9/2021 **DATE FINISHED:** 3/9/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Ashley Stappenbeck	**SAMPLER:** Ashley Stappenbeck
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 60s °F; Wind: W 6-9 mph; Precipitation: N/A; Pressure: 30.29 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV03 was installed by advancing a borehole to 1 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	3.1	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	30.1%	20.1%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	11:55	
SAMPLE STOP DATE/TIME:	13:55	
TOTAL SAMPLE TIME (MIN):	120	
FLOW RATE (L/MIN):	0.04	
VOLUME OF SAMPLE (LITERS):	4.8	
PID AFTER SAMPLE (PPM):	0.8	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	Y61	
REGULATOR SERIAL NUMBER:	6877	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV05

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 30s °F; Wind: NW 12-14 mph; Precipitation: N/A; Pressure: 29.89 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV05 was installed by advancing a borehole to 4 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	1.9	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	24.5%	23.3%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	12:14	
SAMPLE STOP DATE/TIME:	14:14	
TOTAL SAMPLE TIME (MIN):	120	
FLOW RATE (L/MIN):	0.044	
VOLUME OF SAMPLE (LITERS):	5.28	
PID AFTER SAMPLE (PPM):	1.7	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	28310	
REGULATOR SERIAL NUMBER:	12183	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV06

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 30s °F; Wind: NW 12-14 mph; Precipitation: N/A; Pressure: 29.89 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV06 was installed by advancing a borehole to 1 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	175.5	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	23.4%	29.5%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	13:15	
SAMPLE STOP DATE/TIME:	15:15	
TOTAL SAMPLE TIME (MIN):	120	
FLOW RATE (L/MIN):	0.043	
VOLUME OF SAMPLE (LITERS):	5.16	
PID AFTER SAMPLE (PPM):	33.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	37794	
REGULATOR SERIAL NUMBER:	6866	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-7	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV07

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 30s °F; Wind: NW 12-14 mph; Precipitation: N/A; Pressure: 29.89 in. Hg

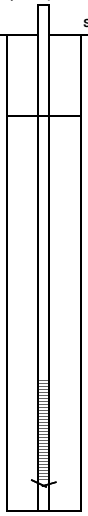
METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV07 was installed by advancing a borehole to 4 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0.8	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	21.3%	22.5%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	12:19	
SAMPLE STOP DATE/TIME:	13:52	
TOTAL SAMPLE TIME (MIN):	93	
FLOW RATE (L/MIN):	0.043	
VOLUME OF SAMPLE (LITERS):	3.999	
PID AFTER SAMPLE (PPM):	1.1	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	Y73	
REGULATOR SERIAL NUMBER:	5689	
CAN START VACUUM PRESS. (" HG):	-27	
CAN STOP VACUUM PRESS. (" HG):	-7	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	



SAMPLE LOCATION SKETCH

NOTES

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV08

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 30s °F; Wind: NW 12-14 mph; Precipitation: N/A; Pressure: 29.89 in. Hg

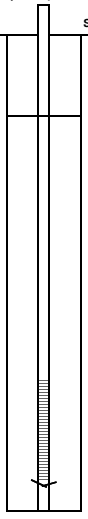
METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV08 was installed by advancing a borehole to 4 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	4.4	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	24.3%	22.5%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	12:16	
SAMPLE STOP DATE/TIME:	14:12	
TOTAL SAMPLE TIME (MIN):	116	
FLOW RATE (L/MIN):	0.043	
VOLUME OF SAMPLE (LITERS):	4.988	
PID AFTER SAMPLE (PPM):	3.1	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	37285	
REGULATOR SERIAL NUMBER:	T-16	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-6	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV09

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/9/2021 **DATE FINISHED:** 3/9/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Ashley Stappenbeck	**SAMPLER:** Ashley Stappenbeck
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 60s °F; Wind: W 6-9 mph; Precipitation: N/A; Pressure: 30.29 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV09 was installed by advancing a borehole to 1 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	1.4	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	26.9%	21.3%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	11:58	
SAMPLE STOP DATE/TIME:	13:56	
TOTAL SAMPLE TIME (MIN):	118	
FLOW RATE (L/MIN):	0.04	
VOLUME OF SAMPLE (LITERS):	4.72	
PID AFTER SAMPLE (PPM):	0.5	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	Y83	
REGULATOR SERIAL NUMBER:	T1	
CAN START VACUUM PRESS. (" HG):	-28	
CAN STOP VACUUM PRESS. (" HG):	-4	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV12

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/5/2021 **DATE FINISHED:** 3/5/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Lexi Haley	**SAMPLER:** Lexi Haley
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 30s °F; Wind: NW 12-14 mph; Precipitation: N/A; Pressure: 29.89 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SV12 was installed by advancing a borehole to 2 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	2.6	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	23.7%	26.0%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	12:20	
SAMPLE STOP DATE/TIME:	14:26	
TOTAL SAMPLE TIME (MIN):	126	
FLOW RATE (L/MIN):	0.045	
VOLUME OF SAMPLE (LITERS):	5.67	
PID AFTER SAMPLE (PPM):	1.7	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	28838	
REGULATOR SERIAL NUMBER:	6867	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-5.5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVDUP01_030921

PROJECT: 240 Huntington Street	**PROJECT NO.:** 170430001
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services, Corp.	**INSTALLATION DATE STARTED:** 3/9/2021 **DATE FINISHED:** 3/9/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 3/9/2021 **DATE FINISHED:** 3/9/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister
INSPECTOR: Ashley Stappenbeck	**SAMPLER:** Ashley Stappenbeck
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: Low to Mid 60s °F; Wind: W 6-9 mph; Precipitation: N/A; Pressure: 30.29 in. Hg

METHOD OF INSTALLATION AND PURGING:

Soil vapor point SVDUP01 was installed in the same borehole as SV03 and was installed by advancing a borehole to 1 feet below grade surface (bgs) with a Geoprobe 6610 DT, then installing a 2-inch soil vapor probe and backfilling with No. 2 sand to 0.5 foot bgs, and sealing to surface with hydrated bentonite. Sample consisted of 2.7L Summa canister fitted with an 2-hour flow control valve. The valve was opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.60	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	2	
HELIUM TESTS	Pre-sampling	Post-Sampling
HELIUM TEST IN BUCKET(%):	25.4%	22.0%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START DATE/TIME:	11:55	
SAMPLE STOP DATE/TIME:	13:55	
TOTAL SAMPLE TIME (MIN):	120	
FLOW RATE (L/MIN):	0.04	
VOLUME OF SAMPLE (LITERS):	4.8	
PID AFTER SAMPLE (PPM):	0.8	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	28302	
REGULATOR SERIAL NUMBER:	7079	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-6.5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0	
Top of Pack	0.5	

SAMPLE LOCATION SKETCH

NOTES

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX G

COMMUNITY AIR MONITORING PROGRAM SUMMARY DATA

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/2/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.008	0.004
Maximum 15min Average	0.014	0.006
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.006	0.003
Maximum 1min Reading	0.019	0.013

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.0
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.1

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.

March 2, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						439
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	
9:05			9:05	0.013		
9:06			9:06	0.005		
9:07			9:07	0.006		
9:08			9:08	0.006		
9:09			9:09	0.006		
9:10			9:10	0.005		
9:11			9:11	0.004		
9:12			9:12	0.004		
9:13	0.014		9:13	0.005		
9:14	0.014		9:14	0.005		
9:15	0.015		9:15	0.005		
9:16	0.015		9:16	0.004		
9:17	0.016		9:17	0.005		
9:18	0.015		9:18	0.004		
9:19	0.015		9:19	0.004	0.005	
9:20	0.014		9:20	0.011	0.005	
9:21	0.014		9:21	0.008	0.005	
9:22	0.013		9:22	0.005	0.005	
9:23	0.013		9:23	0.005	0.005	
9:24	0.014		9:24	0.004	0.005	
9:25	0.013		9:25	0.008	0.005	
9:26	0.013		9:26	0.007	0.006	
9:27	0.012	0.014	9:27	0.006	0.006	-
9:28	0.011	0.014	9:28	0.005	0.006	-
9:29	0.012	0.014	9:29	0.006	0.006	-
9:30	0.011	0.013	9:30	0.005	0.006	-
9:31	0.012	0.013	9:31	0.005	0.006	-
9:32	0.019	0.013	9:32	0.005	0.006	-
9:33	0.013	0.013	9:33	0.005	0.006	-
9:34	0.011	0.013	9:34	0.004	0.006	-
9:35	0.012	0.013	9:35	0.004	0.005	-
9:36	0.012	0.013	9:36	0.004	0.005	-
9:37	0.012	0.013	9:37	0.003	0.005	-
9:38	0.012	0.013	9:38	0.004	0.005	-
9:39	0.011	0.012	9:39	0.004	0.005	-
9:40	0.011	0.012	9:40	0.004	0.005	-
9:41	0.011	0.012	9:41	0.005	0.005	-
9:42	0.011	0.012	9:42	0.005	0.005	-
9:43	0.010	0.012	9:43	0.005	0.005	-
9:44	0.010	0.012	9:44	0.005	0.004	-
9:45	0.009	0.012	9:45	0.004	0.004	-
9:46	0.008	0.011	9:46	0.006	0.004	-
9:47	0.009	0.011	9:47	0.004	0.004	-
9:48	0.008	0.010	9:48	0.005	0.004	-
9:49	0.008	0.010	9:49	0.008	0.005	-
9:50	0.009	0.010	9:50	0.008	0.005	-
9:51	0.009	0.010	9:51	0.004	0.005	-
9:52	0.007	0.010	9:52	0.004	0.005	-
9:53	0.009	0.009	9:53	0.004	0.005	-
9:54	0.008	0.009	9:54	0.005	0.005	-
9:55	0.008	0.009	9:55	0.004	0.005	-
9:56	0.007	0.009	9:56	0.004	0.005	-
9:57	0.008	0.008	9:57	0.004	0.005	-
9:58	0.007	0.008	9:58	0.004	0.005	-
9:59	0.007	0.008	9:59	0.005	0.005	-
10:00	0.006	0.008	10:00	0.004	0.005	-
10:01	0.007	0.008	10:01	0.005	0.005	-
10:02	0.006	0.008	10:02	0.004	0.005	-
10:03	0.006	0.007	10:03	0.004	0.005	-
10:04	0.006	0.007	10:04	0.004	0.004	-
10:05	0.007	0.007	10:05	0.005	0.004	-
10:06	0.005	0.007	10:06	0.004	0.004	-
10:07	0.005	0.007	10:07	0.004	0.004	-
10:08	0.006	0.007	10:08	0.004	0.004	-
10:09	0.006	0.006	10:09	0.005	0.004	-
10:10	0.006	0.006	10:10	0.004	0.004	-

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	
10:11	0.005	0.006	10:11	0.004	0.004	-
10:12	0.005	0.006	10:12	0.005	0.004	-
10:13	0.005	0.006	10:13	0.005	0.004	-
10:14	0.005	0.006	10:14	0.004	0.004	-
10:15	0.005	0.006	10:15	0.004	0.004	-
10:16	0.005	0.006	10:16	0.005	0.004	-
10:17	0.006	0.006	10:17	0.004	0.004	-
10:18	0.005	0.005	10:18	0.004	0.004	-
10:19	0.005	0.005	10:19	0.005	0.004	-
10:20	0.006	0.005	10:20	0.004	0.004	-
10:21	0.005	0.005	10:21	0.003	0.004	-
10:22	0.004	0.005	10:22	0.003	0.004	-
10:23	0.005	0.005	10:23	0.004	0.004	-
10:24	0.005	0.005	10:24	0.004	0.004	-
10:25	0.004	0.005	10:25	0.004	0.004	-
10:26	0.004	0.005	10:26	0.004	0.004	-
10:27	0.005	0.005	10:27	0.004	0.004	-
10:28	0.005	0.005	10:28	0.004	0.004	-
10:29	0.004	0.005	10:29	0.004	0.004	-
10:30	0.005	0.005	10:30	0.004	0.004	-
10:31	0.004	0.005	10:31	0.004	0.004	-
10:32	0.004	0.005	10:32	0.004	0.004	-
10:33	0.003	0.005	10:33	0.005	0.004	-
10:34	0.003	0.004	10:34	0.004	0.004	-
10:35	0.004	0.004	10:35	0.004	0.004	-
10:36	0.004	0.004	10:36	0.005	0.004	-
10:37	0.003	0.004	10:37	0.004	0.004	-
10:38	0.003	0.004	10:38	0.003	0.004	-
10:39	0.004	0.004	10:39	0.003	0.004	-
10:40	0.004	0.004	10:40	0.004	0.004	-
10:41	0.003	0.004	10:41	0.004	0.004	-
10:42	0.003	0.004	10:42	0.004	0.004	-
10:43	0.004	0.004	10:43	0.005	0.004	-
10:44	0.004	0.004	10:44	0.005	0.004	-
10:45	0.005	0.004	10:45	0.005	0.004	-
10:46	0.011	0.004	10:46	0.005	0.004	-
10:47	0.006	0.004	10:47	0.004	0.004	-
10:48	0.004	0.004	10:48	0.004	0.004	-
10:49	0.003	0.004	10:49	0.005	0.004	-
10:50	0.003	0.004	10:50	0.004	0.004	-
10:51	0.003	0.004	10:51	0.005	0.004	-
10:52	0.002	0.004	10:52	0.005	0.004	-
10:53	0.002	0.004	10:53	0.005	0.004	-
10:54	0.002	0.004	10:54	0.004	0.005	-
10:55	0.002	0.004	10:55	0.005	0.005	-
10:56	0.003	0.004	10:56	0.004	0.005	-
10:57	0.002	0.004	10:57	0.005	0.005	-
10:58	0.002	0.004	10:58	0.005	0.005	-
10:59	0.002	0.003	10:59	0.004	0.005	-
11:00	0.002	0.003	11:00	0.004	0.005	-
11:01	0.002	0.003	11:01	0.005	0.005	-
11:02	0.003	0.002	11:02	0.005	0.005	-
11:03	0.003	0.002	11:03	0.004	0.005	-
11:04	0.002	0.002	11:04	0.005	0.005	-
11:05	0.003	0.002	11:05	0.005	0.005	-
11:06	0.002	0.002	11:06	0.005	0.005	-
11:07	0.002	0.002	11:07	0.007	0.005	-
11:08	0.002	0.002	11:08	0.007	0.005	-
11:09	0.002	0.002	11:09	0.007	0.005	-
11:10	0.002	0.002	11:10	0.007	0.005	-
11:11	0.003	0.002	11:11	0.006	0.005	-
11:12	0.002	0.002	11:12	0.005	0.005	-
11:13	0.002	0.002	11:13	0.005	0.005	-
11:14	0.003	0.002	11:14	0.005	0.005	-
11:15	0.005	0.003	11:15	0.006	0.006	-
11:16	0.008	0.003	11:16	0.005	0.006	-
11:17	0.006	0.003	11:17	0.006	0.006	-
11:18	0.011	0.004	11:18	0.005	0.006	-
11:19	0.017	0.005	11:19	0.005	0.006	-

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	
11:20	0.013	0.005	11:20	0.005	0.006	-
11:21	0.009	0.006	11:21	0.009	0.006	-
11:22	0.007	0.006	11:22	0.007	0.006	-
11:23	0.006	0.006	11:23	0.006	0.006	-
11:24	0.006	0.007	11:24	0.007	0.006	-
11:25	0.003	0.007	11:25	0.007	0.006	-
11:26	0.003	0.007	11:26	0.006	0.006	-
11:27	0.002	0.007	11:27	0.005	0.006	-
11:28	0.004	0.007	11:28	0.005	0.006	-
11:29	0.002	0.007	11:29	0.005	0.006	-
11:30	0.002	0.007	11:30	0.005	0.006	-
11:31	0.002	0.006	11:31	0.006	0.006	-
11:32	0.002	0.006	11:32	0.005	0.006	-
11:33	0.007	0.006	11:33	0.005	0.006	-
11:34	0.002	0.005	11:34	0.005	0.006	-
11:35	0.003	0.004	11:35	0.005	0.006	-
11:36	0.003	0.004	11:36	0.005	0.006	-
11:37	0.003	0.003	11:37	0.005	0.005	-
11:38	0.003	0.003	11:38	0.005	0.005	-
11:39	0.002	0.003	11:39	0.010	0.006	-
11:40	0.001	0.003	11:40	0.011	0.006	-
11:41	0.001	0.003	11:41	0.005	0.006	-
11:42	0.001	0.003	11:42	0.005	0.006	-
11:43	0.001	0.002	11:43	0.004	0.006	-
11:44	0.001	0.002	11:44	0.005	0.006	-
11:45	0.001	0.002	11:45	0.004	0.006	-
11:46	0.001	0.002	11:46	0.004	0.006	-
11:47	0.001	0.002	11:47	0.004	0.005	-
11:48	0.001	0.002	11:48	0.005	0.005	-
11:49	0.001	0.002	11:49	0.004	0.005	-
11:50	0.001	0.001	11:50	0.005	0.005	-
11:51	0.002	0.001	11:51	0.006	0.005	-
11:52	0.001	0.001	11:52	0.006	0.006	-
11:53	0.002	0.001	11:53	0.006	0.006	-
11:54	0.001	0.001	11:54	0.006	0.005	-
11:55	0.000	0.001	11:55	0.005	0.005	-
11:56	0.001	0.001	11:56	0.005	0.005	-
11:57	0.001	0.001	11:57	0.005	0.005	-
11:58	0.000	0.001	11:58	0.006	0.005	-
11:59	0.001	0.001	11:59	0.006	0.005	-
12:00	0.001	0.001	12:00	0.006	0.005	-
12:01	0.001	0.001	12:01	0.006	0.005	-
12:02	0.001	0.001	12:02	0.006	0.006	-
12:03	0.001	0.001	12:03	0.007	0.006	-
12:04	0.002	0.001	12:04	0.005	0.006	-
12:05	0.002	0.001	12:05	0.005	0.006	-
12:06	0.002	0.001	12:06	0.005	0.006	-
12:07	0.001	0.001	12:07	0.005	0.006	-
12:08	0.001	0.001	12:08	0.005	0.006	-
12:09	0.001	0.001	12:09	0.005	0.005	-
12:10	0.001	0.001	12:10	0.005	0.005	-
12:11	0.001	0.001	12:11	0.005	0.005	-
12:12	0.001	0.001	12:12	0.005	0.005	-
12:13	0.002	0.001	12:13	0.005	0.005	-
12:14	0.002	0.001	12:14	0.005	0.005	-
12:15	0.001	0.001	12:15	0.005	0.005	-
12:16	0.000	0.001	12:16	0.005	0.005	-
12:17	0.001	0.001	12:17	0.005	0.005	-
12:18	0.001	0.001	12:18	0.005	0.005	-
12:19	0.001	0.001	12:19	0.005	0.005	-
12:20	0.001	0.001	12:20	0.006	0.005	-
12:21	0.001	0.001	12:21	0.005	0.005	-
12:22	0.001	0.001	12:22	0.005	0.005	-
12:23	0.000	0.001	12:23	0.006	0.005	-
12:24	0.000	0.001	12:24	0.006	0.005	-
12:25	0.001	0.001	12:25	0.006	0.005	-
12:26	0.001	0.001	12:26	0.005	0.005	-
12:27	0.001	0.001	12:27	0.006	0.005	-
12:28	0.000	0.001	12:28	0.006	0.005	-

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	
12:29	0.000	0.001	12:29	0.006	0.005	-
12:30	0.000	0.001	12:30	0.005	0.005	-
12:31	0.001	0.001	12:31	0.005	0.005	-
12:32	0.000	0.001	12:32	0.006	0.006	-
12:33	0.001	0.001	12:33	0.005	0.006	-
12:34	0.002	0.001	12:34	0.005	0.006	-
12:35	0.001	0.001	12:35	0.006	0.006	-
12:36	0.001	0.001	12:36	0.006	0.006	-
12:37	0.001	0.001	12:37	0.005	0.006	-
12:38	0.001	0.001	12:38	0.005	0.006	-
12:39	0.001	0.001	12:39	0.004	0.005	-
12:40	0.001	0.001	12:40	0.005	0.005	-
12:41	0.001	0.001	12:41	0.005	0.005	-
12:42	0.002	0.001	12:42	0.005	0.005	-
12:43	0.001	0.001	12:43	0.005	0.005	-
12:44	0.001	0.001	12:44	0.004	0.005	-
12:45	0.001	0.001	12:45	0.005	0.005	-
12:46	0.000	0.001	12:46	0.005	0.005	-
12:47	0.001	0.001	12:47	0.005	0.005	-
12:48	0.001	0.001	12:48	0.005	0.005	-
12:49	0.000	0.001	12:49	0.006	0.005	-
12:50	0.000	0.001	12:50	0.006	0.005	-
12:51	0.000	0.001	12:51	0.006	0.005	-
12:52	0.001	0.001	12:52	0.005	0.005	-
12:53	0.001	0.001	12:53	0.005	0.005	-
12:54	0.000	0.001	12:54	0.005	0.005	-
12:55	0.000	0.001	12:55	0.005	0.005	-
12:56	0.000	0.001	12:56	0.005	0.005	-
12:57	0.001	0.001	12:57	0.006	0.005	-
12:58	0.001	0.001	12:58	0.006	0.005	-
12:59	0.001	0.001	12:59	0.005	0.005	-
13:00	0.002	0.001	13:00	0.005	0.005	-
13:01	0.001	0.001	13:01	0.006	0.005	-
13:02	0.001	0.001	13:02	0.007	0.006	-
13:03	0.001	0.001	13:03	0.007	0.006	-
13:04	0.001	0.001	13:04	0.006	0.006	-
13:05	0.001	0.001	13:05	0.007	0.006	-
13:06	0.001	0.001	13:06	0.005	0.006	-
13:07	0.001	0.001	13:07	0.005	0.006	-
13:08	0.001	0.001	13:08	0.005	0.006	-
13:09	0.001	0.001	13:09	0.005	0.006	-
13:10	0.001	0.001	13:10	0.006	0.006	-
13:11	0.001	0.001	13:11	0.005	0.006	-
13:12	0.002	0.001	13:12	0.005	0.006	-
13:13	0.002	0.001	13:13	0.005	0.006	-
13:14	0.004	0.001	13:14	0.006	0.006	-
13:15	0.004	0.002	13:15	0.008	0.006	-
13:16	0.003	0.002	13:16	0.007	0.006	-
13:17	0.002	0.002	13:17	0.007	0.006	-
13:18	0.001	0.002	13:18	0.006	0.006	-
13:19	0.001	0.002	13:19	0.006	0.006	-
13:20	0.000	0.002	13:20	0.006	0.006	-
13:21	0.001	0.002	13:21	0.006	0.006	-
13:22	0.001	0.002	13:22	0.006	0.006	-
13:23	0.001	0.002	13:23	0.006	0.006	-
13:24	0.001	0.002	13:24	0.007	0.006	-
13:25	0.001	0.002	13:25	0.006	0.006	-
13:26	0.001	0.002	13:26	0.005	0.006	-
13:27	0.002	0.002	13:27	0.005	0.006	-
13:28	0.002	0.002	13:28	0.005	0.006	-
13:29	0.001	0.001	13:29	0.005	0.006	-
13:30	0.001	0.001	13:30	0.006	0.006	-
13:31	0.002	0.001	13:31	0.005	0.006	-
13:32	0.001	0.001	13:32	0.005	0.006	-
13:33	0.001	0.001	13:33	0.010	0.006	-
13:34	0.002	0.001	13:34	0.006	0.006	-
13:35	0.001	0.001	13:35	0.005	0.006	-
13:36	0.001	0.001	13:36	0.005	0.006	-
13:37	0.001	0.001	13:37	0.005	0.006	-

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	
13:38	0.000	0.001	13:38	0.005	0.006	-
13:39	0.001	0.001	13:39	0.005	0.006	-
13:40	0.001	0.001	13:40	0.006	0.006	-
13:41	0.002	0.001	13:41	0.005	0.006	-
13:42	0.001	0.001	13:42	0.006	0.006	-
13:43	0.001	0.001	13:43	0.006	0.006	-
13:44	0.001	0.001	13:44	0.006	0.006	-
13:45	0.001	0.001	13:45	0.007	0.006	-
13:46	0.002	0.001	13:46	0.008	0.006	-
13:47	0.001	0.001	13:47	0.006	0.006	-
13:48	0.001	0.001	13:48	0.006	0.006	-
13:49	0.001	0.001	13:49	0.006	0.006	-
13:50	0.000	0.001	13:50	0.006	0.006	-
13:51	0.001	0.001	13:51	0.005	0.006	-
13:52	0.002	0.001	13:52	0.006	0.006	-
13:53	0.002	0.001	13:53	0.006	0.006	-
13:54	0.002	0.001	13:54	0.005	0.006	-
13:55	0.002	0.001	13:55	0.005	0.006	-
13:56	0.002	0.001	13:56	0.005	0.006	-
13:57	0.002	0.001	13:57	0.005	0.006	-
13:58	0.003	0.002	13:58	0.006	0.006	-
13:59	0.003	0.002	13:59	0.005	0.006	-
14:00	0.003	0.002	14:00	0.005	0.006	-
14:01	0.002	0.002	14:01	0.006	0.006	-
14:02	0.002	0.002	14:02	0.006	0.006	-
14:03	0.002	0.002	14:03	0.006	0.006	-
14:04	0.002	0.002	14:04	0.005	0.005	-
14:05	0.002	0.002	14:05	0.005	0.005	-
14:06	0.002	0.002	14:06	0.005	0.005	-
14:07	0.003	0.002	14:07	0.004	0.005	-
14:08	0.003	0.002	14:08	0.005	0.005	-
14:09	0.003	0.002	14:09	0.005	0.005	-
14:10	0.003	0.002	14:10	0.005	0.005	-
14:11	0.003	0.003	14:11	0.006	0.005	-
14:12	0.003	0.003	14:12	0.007	0.005	-
14:13	0.003	0.003	14:13	0.005	0.005	-
14:14	0.004	0.003	14:14	0.006	0.005	-
14:15	0.004	0.003	14:15	0.006	0.005	-
14:16	0.003	0.003	14:16	0.006	0.005	-
14:17	0.003	0.003	14:17	0.006	0.005	-
14:18	0.004	0.003	14:18	0.005	0.005	-
14:19	0.004	0.003	14:19	0.005	0.005	-
14:20	0.003	0.003	14:20	0.005	0.005	-
14:21	0.004	0.003	14:21	0.005	0.005	-
14:22	0.004	0.003	14:22	0.005	0.005	-
14:23	0.004	0.003	14:23	0.005	0.005	-
14:24	0.005	0.004	14:24	0.005	0.005	-
14:25	0.006	0.004	14:25	0.005	0.005	-
14:26	0.007	0.004	14:26	0.006	0.005	-
14:27	0.008	0.004	14:27	0.004	0.005	-
14:28	0.006	0.005	14:28	0.005	0.005	-
14:29	0.009	0.005	14:29	0.005	0.005	-
14:30	0.006	0.005	14:30	0.005	0.005	-
14:31	0.005	0.005	14:31	0.005	0.005	-
14:32	0.006	0.005	14:32	0.005	0.005	-
14:33	0.006	0.006	14:33	0.005	0.005	-
14:34	0.006	0.006	14:34	0.006	0.005	-
14:35	0.006	0.006	14:35	0.005	0.005	-
14:36	0.006	0.006	14:36	0.005	0.005	-
14:37	0.006	0.006	14:37	0.005	0.005	-
14:38	0.006	0.006	14:38	0.005	0.005	-
14:39	0.006	0.006	14:39	0.005	0.005	-
14:40	0.006	0.006	14:40	0.005	0.005	-
14:41	0.006	0.006	14:41	0.005	0.005	-
14:42	0.006	0.006	14:42	0.005	0.005	-
14:43	0.007	0.006	14:43	0.004	0.005	-
14:44	0.009	0.006	14:44	0.005	0.005	-
14:45	0.010	0.006	14:45	0.005	0.005	-
14:46	0.007	0.007	14:46	0.005	0.005	-

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	
14:47	0.007	0.007	14:47	0.005	0.005	-
14:48	0.007	0.007	14:48	0.004	0.005	-
14:49	0.007	0.007	14:49	0.004	0.005	-
14:50	0.007	0.007	14:50	0.005	0.005	-
14:51	0.007	0.007	14:51	0.005	0.005	-
14:52	0.008	0.007	14:52	0.006	0.005	-
14:53	0.008	0.007	14:53	0.006	0.005	-
14:54	0.008	0.007	14:54	0.005	0.005	-
14:55	0.007	0.007	14:55	0.005	0.005	-
14:56	0.008	0.008	14:56	0.005	0.005	-
14:57	0.008	0.008	14:57	0.004	0.005	-
14:58	0.008	0.008	14:58	0.006	0.005	-
14:59	0.008	0.008	14:59	0.005	0.005	-
15:00	0.008	0.008	15:00	0.005	0.005	-
15:01	0.009	0.008	15:01	0.005	0.005	-
15:02	0.008	0.008	15:02	0.004	0.005	-
15:03	0.009	0.008	15:03	0.005	0.005	-
15:04	0.010	0.008	15:04	0.004	0.005	-
15:05	0.009	0.008	15:05	0.004	0.005	-
15:06	0.010	0.008	15:06	0.004	0.005	-
15:07	0.009	0.008	15:07	0.004	0.005	-
15:08	0.008	0.008	15:08	0.004	0.005	-
15:09	0.008	0.008	15:09	0.004	0.005	-
15:10	0.008	0.009	15:10	0.004	0.004	-
15:11	0.009	0.009	15:11	0.005	0.004	-
15:12	0.009	0.009	15:12	0.005	0.005	-
15:13	0.008	0.009	15:13	0.004	0.004	-
15:14	0.008	0.009	15:14	0.004	0.004	-
15:15	0.008	0.009	15:15	0.004	0.004	-
15:16	0.008	0.009	15:16	0.004	0.004	-
15:17	0.008	0.009	15:17	0.004	0.004	-
15:18	0.009	0.009	15:18	0.004	0.004	-
15:19	0.009	0.009	15:19	0.004	0.004	-
15:20	0.009	0.009	15:20	0.004	0.004	-
15:21	0.009	0.008	15:21	0.004	0.004	-
15:22	0.009	0.008	15:22	0.004	0.004	-
15:23	0.010	0.009	15:23	0.006	0.004	-
15:24	0.009	0.009	15:24	0.004	0.004	-
15:25	0.009	0.009	15:25	0.004	0.004	-
15:26	0.009	0.009	15:26	0.005	0.004	-
15:27	0.009	0.009	15:27	0.005	0.004	-
15:28	0.009	0.009	15:28	0.005	0.004	-
15:29	0.009	0.009	15:29	0.006	0.004	-
15:30	0.009	0.009	15:30	0.005	0.005	-
15:31	0.009	0.009	15:31	0.005	0.005	-
15:32	0.009	0.009	15:32	0.005	0.005	-
15:33	0.009	0.009	15:33	0.005	0.005	-
15:34	0.009	0.009	15:34	0.006	0.005	-
15:35	0.009	0.009	15:35	0.005	0.005	-
15:36	0.009	0.009	15:36	0.006	0.005	-
15:37	0.010	0.009	15:37	0.007	0.005	-
15:38	0.010	0.009	15:38	0.007	0.005	-
15:39	0.010	0.009	15:39	0.007	0.006	-
15:40	0.011	0.009	15:40	0.007	0.006	-
15:41	0.010	0.009	15:41	0.008	0.006	-
15:42	0.010	0.009	15:42	0.009	0.006	-
15:43	0.010	0.010	15:43	0.006	0.006	-
15:44	0.011	0.010	15:44	0.005	0.006	-
15:45	0.011	0.010	15:45	0.005	0.006	-
15:46	0.011	0.010	15:46	0.004	0.006	-
15:47	0.012	0.010	15:47	0.004	0.006	-
15:48	0.012	0.010	15:48	0.005	0.006	-
15:49	0.012	0.011	15:49	0.005	0.006	-
15:50	0.011	0.011	15:50	0.004	0.006	-
15:51	0.012	0.011	15:51	0.005	0.006	-
15:52	0.011	0.011	15:52	0.008	0.006	-
15:53	0.011	0.011	15:53	0.007	0.006	-
15:54	0.011	0.011	15:54	0.007	0.006	-
15:55	0.011	0.011	15:55	0.006	0.006	-

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	
15:56	0.010	0.011	15:56	0.004	0.006	-
15:57	0.010	0.011	15:57	0.004	0.005	-
15:58	0.010	0.011	15:58	0.005	0.005	-
15:59	0.010	0.011	15:59	0.004	0.005	-
16:00	0.010	0.011	16:00	0.005	0.005	-
16:01	0.010	0.011	16:01	0.005	0.005	-
16:02	0.009	0.011	16:02	0.005	0.005	-
16:03	0.010	0.011	16:03	0.005	0.005	-
16:04	0.011	0.010	16:04	0.005	0.005	-
16:05	0.011	0.010	16:05	0.005	0.005	-
16:06	0.013	0.011	16:06	0.005	0.005	-
16:07	0.010	0.010	16:07	0.006	0.005	-
16:08	0.010	0.010	16:08	0.006	0.005	-
16:09	0.010	0.010	16:09	0.007	0.005	-
16:10	0.010	0.010	16:10	0.008	0.005	-
16:11	0.011	0.010	16:11	0.007	0.005	-
16:12	0.010	0.010	16:12	0.007	0.006	-
16:13	0.010	0.010	16:13	0.006	0.006	-
16:14	0.011	0.010	16:14	0.005	0.006	-
16:15	0.012	0.011	16:15	0.010	0.006	-
16:16	0.011	0.011	16:16	0.007	0.006	-
16:17	0.011	0.011	16:17	0.006	0.006	-
16:18	0.012	0.011	16:18	0.006	0.006	-
16:19	0.012	0.011	16:19	0.006	0.006	-
16:20	0.012	0.011	16:20	0.007	0.007	-
16:21	0.014	0.011	16:21	0.007	0.007	-
16:22	0.013	0.011	16:22	0.007	0.007	-
16:23	0.012	0.011	16:23	0.006	0.007	-
16:24	0.012	0.012	16:24	0.006	0.007	-
16:25	0.012	0.012	16:25	0.006	0.007	-
16:26	0.012	0.012	16:26	0.006	0.007	-
16:27	0.017	0.012	16:27	0.005	0.006	-
16:28	0.015	0.013	16:28	0.007	0.006	-
16:29	0.012	0.013	16:29	0.007	0.007	-
16:30	0.011	0.013	16:30	0.009	0.007	-
16:31	0.012	0.013	16:31	0.006	0.006	-
16:32	0.013	0.013	16:32	0.005	0.006	-
16:33	0.013	0.013	16:33	0.005	0.006	-
16:34	0.016	0.013	16:34	0.004	0.006	-
16:35	0.065	0.017	16:35	0.005	0.006	-
16:36	0.013	0.017	16:36	0.005	0.006	-
16:37	0.012	0.016	16:37	0.006	0.006	-
16:38	0.012	0.016	16:38	0.006	0.006	-
16:39	0.011	0.016	16:39	0.007	0.006	-
16:40	0.011	0.016	16:40	0.007	0.006	-
16:41	0.012	0.016	16:41	0.006	0.006	-
16:42	0.011	0.016	16:42	0.008	0.006	-
16:43	0.012	0.016	16:43	0.011	0.006	-
16:44	0.011	0.016	16:44	0.009	0.007	-
16:45	0.011	0.016	16:45	0.008	0.007	-
16:46	0.01	0.016	16:46			
16:47	0.011	0.015	16:47			
16:48	0.011	0.015	16:48			
16:49	0.012	0.015	16:49			
16:50	0.012	0.011	16:50			
16:51	0.013	0.011	16:51			
16:52	0.013	0.012	16:52			
16:53	0.013	0.012	16:53			
16:54	0.014	0.012	16:54			
16:55	0.015	0.012	16:55			
16:56	0.014	0.012	16:56			
16:57	0.014	0.012	16:57			
16:58	0.012	0.012	16:58			
16:59	0.012	0.012	16:59			
17:00	0.011	0.012	17:00			

March 2, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						447
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:23	0.0		9:23			
9:24	0.0		9:24			
9:25	0.0		9:25			
9:26	0.0		9:26	0.1		
9:27	0.0		9:27	0.0		
9:28	0.0		9:28	0.0		
9:29	0.0		9:29	0.0		
9:30	0.0		9:30	0.0		
9:31	0.0		9:31	0.0		
9:32	0.0		9:32	0.0		
9:33	0.0		9:33	0.0		
9:34	0.0		9:34	0.0		
9:35	0.0		9:35	0.0		
9:36	0.0		9:36	0.0		
9:37	0.0	0.0	9:37	0.0		
9:38	0.0	0.0	9:38	0.0		
9:39	0.0	0.0	9:39	0.0		
9:40	0.0	0.0	9:40	0.0	0.0	-
9:41	0.0	0.0	9:41	0.0	0.0	-
9:42	0.0	0.0	9:42	0.0	0.0	-
9:43	0.0	0.0	9:43	0.0	0.0	-
9:44	0.0	0.0	9:44	0.0	0.0	-
9:45	0.0	0.0	9:45	0.0	0.0	-
9:46	0.0	0.0	9:46	0.0	0.0	-
9:47	0.0	0.0	9:47	0.0	0.0	-
9:48	0.0	0.0	9:48	0.0	0.0	-
9:49	0.0	0.0	9:49	0.0	0.0	-
9:50	0.0	0.0	9:50	0.0	0.0	-
9:51	0.0	0.0	9:51	0.0	0.0	-
9:52	0.0	0.0	9:52	0.0	0.0	-
9:53	0.0	0.0	9:53	0.0	0.0	-
9:54	0.0	0.0	9:54	0.0	0.0	-
9:55	0.0	0.0	9:55	0.0	0.0	-
9:56	0.0	0.0	9:56	0.0	0.0	-
9:57	0.0	0.0	9:57	0.0	0.0	-
9:58	0.0	0.0	9:58	0.0	0.0	-
9:59	0.0	0.0	9:59	0.0	0.0	-
10:00	0.0	0.0	10:00	0.0	0.0	-
10:01	0.0	0.0	10:01	0.0	0.0	-
10:02	0.0	0.0	10:02	0.0	0.0	-
10:03	0.0	0.0	10:03	0.0	0.0	-
10:04	0.0	0.0	10:04	0.0	0.0	-
10:05	0.0	0.0	10:05	0.0	0.0	-
10:06	0.0	0.0	10:06	0.0	0.0	-
10:07	0.0	0.0	10:07	0.0	0.0	-
10:08	0.0	0.0	10:08	0.0	0.0	-
10:09	0.0	0.0	10:09	0.0	0.0	-
10:10	0.0	0.0	10:10	0.0	0.0	-
10:11	0.0	0.0	10:11	0.0	0.0	-
10:12	0.0	0.0	10:12	0.0	0.0	-
10:13	0.0	0.0	10:13	0.0	0.0	-
10:14	0.0	0.0	10:14	0.0	0.0	-
10:15	0.0	0.0	10:15	0.0	0.0	-
10:16	0.0	0.0	10:16	0.0	0.0	-
10:17	0.0	0.0	10:17	0.0	0.0	-
10:18	0.0	0.0	10:18	0.0	0.0	-
10:19	0.0	0.0	10:19	0.0	0.0	-
10:20	0.0	0.0	10:20	0.0	0.0	-
10:21	0.0	0.0	10:21	0.0	0.0	-
10:22	0.0	0.0	10:22	0.0	0.0	-
10:23	0.0	0.0	10:23	0.0	0.0	-
10:24	0.0	0.0	10:24	0.0	0.0	-
10:25	0.0	0.0	10:25	0.0	0.0	-
10:26	0.0	0.0	10:26	0.0	0.0	-
10:27	0.0	0.0	10:27	0.0	0.0	-
10:28	0.0	0.0	10:28	0.0	0.0	-
10:29	0.0	0.0	10:29	0.0	0.0	-
10:30	0.0	0.0	10:30	0.0	0.0	-
10:31	0.0	0.0	10:31	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:32	0.0	0.0	10:32	0.0	0.0	-
10:33	0.0	0.0	10:33	0.0	0.0	-
10:34	0.0	0.0	10:34	0.0	0.0	-
10:35	0.0	0.0	10:35	0.0	0.0	-
10:38	0.0	0.0	10:38	0.0	0.0	-
10:39	0.0	0.0	10:39	0.0	0.0	-
10:40	0.0	0.0	10:40	0.0	0.0	-
10:41	0.0	0.0	10:41	0.0	0.0	-
10:42	0.0	0.0	10:42	0.0	0.0	-
10:43	0.0	0.0	10:43	0.0	0.0	-
10:44	0.0	0.0	10:44	0.0	0.0	-
10:45	0.0	0.0	10:45	0.0	0.0	-
10:46	0.0	0.0	10:46	0.0	0.0	-
10:47	0.0	0.0	10:47	0.0	0.0	-
10:48	0.0	0.0	10:48	0.0	0.0	-
10:49	0.0	0.0	10:49	0.0	0.0	-
10:50	0.0	0.0	10:50	0.0	0.0	-
10:51	0.0	0.0	10:51	0.0	0.0	-
10:52	0.0	0.0	10:52	0.0	0.0	-
10:53	0.0	0.0	10:53	0.0	0.0	-
10:54	0.0	0.0	10:54	0.0	0.0	-
10:55	0.0	0.0	10:55	0.0	0.0	-
10:56	0.0	0.0	10:56	0.0	0.0	-
10:57	0.0	0.0	10:57	0.0	0.0	-
10:58	0.0	0.0	10:58	0.0	0.0	-
10:59	0.0	0.0	10:59	0.0	0.0	-
11:00	0.0	0.0	11:00	0.0	0.0	-
11:01	0.0	0.0	11:01	0.0	0.0	-
11:02	0.0	0.0	11:02	0.0	0.0	-
11:03	0.0	0.0	11:03	0.0	0.0	-
11:04	0.0	0.0	11:04	0.0	0.0	-
11:05	0.0	0.0	11:05	0.0	0.0	-
11:06	0.0	0.0	11:06	0.0	0.0	-
11:07	0.0	0.0	11:07	0.0	0.0	-
11:08	0.0	0.0	11:08	0.0	0.0	-
11:09	0.0	0.0	11:09	0.0	0.0	-
11:10	0.0	0.0	11:10	0.0	0.0	-
11:11	0.0	0.0	11:11	0.0	0.0	-
11:12	0.0	0.0	11:12	0.0	0.0	-
11:13	0.0	0.0	11:13	0.0	0.0	-
11:14	0.0	0.0	11:14	0.0	0.0	-
11:15	0.0	0.0	11:15	0.0	0.0	-
11:16	0.0	0.0	11:16	0.0	0.0	-
11:17	0.0	0.0	11:17	0.0	0.0	-
11:18	0.0	0.0	11:18	0.0	0.0	-
11:19	0.0	0.0	11:19	0.0	0.0	-
11:20	0.0	0.0	11:20	0.0	0.0	-
11:21	0.0	0.0	11:21	0.0	0.0	-
11:22	0.0	0.0	11:22	0.0	0.0	-
11:23	0.0	0.0	11:23	0.0	0.0	-
11:24	0.0	0.0	11:24	0.0	0.0	-
11:25	0.0	0.0	11:25	0.0	0.0	-
11:26	0.0	0.0	11:26	0.0	0.0	-
11:27	0.0	0.0	11:27	0.0	0.0	-
11:28	0.0	0.0	11:28	0.0	0.0	-
11:29	0.0	0.0	11:29	0.0	0.0	-
11:30	0.0	0.0	11:30	0.0	0.0	-
11:31	0.0	0.0	11:31	0.0	0.0	-
11:32	0.0	0.0	11:32	0.0	0.0	-
11:33	0.0	0.0	11:33	0.0	0.0	-
11:34	0.0	0.0	11:34	0.0	0.0	-
11:35	0.0	0.0	11:35	0.0	0.0	-
11:36	0.0	0.0	11:36	0.0	0.0	-
11:37	0.0	0.0	11:37	0.0	0.0	-
11:38	0.0	0.0	11:38	0.0	0.0	-
11:39	0.0	0.0	11:39	0.0	0.0	-
11:40	0.0	0.0	11:40	0.0	0.0	-
11:41	0.0	0.0	11:41	0.0	0.0	-
11:42	0.0	0.0	11:42	0.0	0.0	-
11:43	0.0	0.0	11:43	0.0	0.0	-
11:44	0.0	0.0	11:44	0.0	0.0	-
11:45	0.0	0.0	11:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:46	0.0	0.0	11:46	0.0	0.0	-
11:47	0.0	0.0	11:47	0.0	0.0	-
11:48	0.0	0.0	11:48	0.0	0.0	-
11:49	0.0	0.0	11:49	0.0	0.0	-
11:50	0.0	0.0	11:50	0.0	0.0	-
11:51	0.0	0.0	11:51	0.0	0.0	-
11:52	0.0	0.0	11:52	0.0	0.0	-
11:53	0.0	0.0	11:53	0.0	0.0	-
11:54	0.0	0.0	11:54	0.0	0.0	-
11:55	0.0	0.0	11:55	0.0	0.0	-
11:56	0.0	0.0	11:56	0.0	0.0	-
11:57	0.0	0.0	11:57	0.0	0.0	-
11:58	0.0	0.0	11:58	0.0	0.0	-
11:59	0.0	0.0	11:59	0.0	0.0	-
12:00	0.0	0.0	12:00	0.0	0.0	-
12:01	0.0	0.0	12:01	0.0	0.0	-
12:02	0.0	0.0	12:02	0.0	0.0	-
12:03	0.0	0.0	12:03	0.0	0.0	-
12:04	0.0	0.0	12:04	0.0	0.0	-
12:05	0.0	0.0	12:05	0.0	0.0	-
12:06	0.0	0.0	12:06	0.0	0.0	-
12:07	0.0	0.0	12:07	0.0	0.0	-
12:08	0.0	0.0	12:08	0.0	0.0	-
12:09	0.0	0.0	12:09	0.0	0.0	-
12:10	0.0	0.0	12:10	0.0	0.0	-
12:11	0.0	0.0	12:11	0.0	0.0	-
12:12	0.0	0.0	12:12	0.0	0.0	-
12:13	0.0	0.0	12:13	0.0	0.0	-
12:14	0.0	0.0	12:14	0.0	0.0	-
12:15	0.0	0.0	12:15	0.0	0.0	-
12:16	0.0	0.0	12:16	0.0	0.0	-
12:17	0.0	0.0	12:17	0.0	0.0	-
12:18	0.0	0.0	12:18	0.0	0.0	-
12:19	0.0	0.0	12:19	0.0	0.0	-
12:20	0.0	0.0	12:20	0.0	0.0	-
12:21	0.0	0.0	12:21	0.0	0.0	-
12:22	0.0	0.0	12:22	0.0	0.0	-
12:23	0.0	0.0	12:23	0.0	0.0	-
12:24	0.0	0.0	12:24	0.0	0.0	-
12:25	0.0	0.0	12:25	0.0	0.0	-
12:26	0.0	0.0	12:26	0.0	0.0	-
12:27	0.0	0.0	12:27	0.0	0.0	-
12:28	0.0	0.0	12:28	0.0	0.0	-
12:29	0.0	0.0	12:29	0.0	0.0	-
12:30	0.0	0.0	12:30	0.0	0.0	-
12:31	0.0	0.0	12:31	0.0	0.0	-
12:32	0.0	0.0	12:32	0.0	0.0	-
12:33	0.0	0.0	12:33	0.0	0.0	-
12:34	0.0	0.0	12:34	0.0	0.0	-
12:35	0.0	0.0	12:35	0.0	0.0	-
12:36	0.0	0.0	12:36	0.0	0.0	-
12:37	0.0	0.0	12:37	0.0	0.0	-
12:38	0.0	0.0	12:38	0.0	0.0	-
12:39	0.0	0.0	12:39	0.0	0.0	-
12:40	0.0	0.0	12:40	0.0	0.0	-
12:41	0.0	0.0	12:41	0.0	0.0	-
12:42	0.0	0.0	12:42	0.0	0.0	-
12:43	0.0	0.0	12:43	0.0	0.0	-
12:44	0.0	0.0	12:44	0.0	0.0	-
12:45	0.0	0.0	12:45	0.0	0.0	-
12:46	0.0	0.0	12:46	0.0	0.0	-
12:47	0.0	0.0	12:47	0.0	0.0	-
12:48	0.0	0.0	12:48	0.0	0.0	-
12:49	0.0	0.0	12:49	0.0	0.0	-
12:50	0.0	0.0	12:50	0.0	0.0	-
12:51	0.0	0.0	12:51	0.0	0.0	-
12:52	0.0	0.0	12:52	0.0	0.0	-
12:53	0.0	0.0	12:53	0.0	0.0	-
12:54	0.0	0.0	12:54	0.0	0.0	-
12:55	0.0	0.0	12:55	0.0	0.0	-
12:56	0.0	0.0	12:56	0.0	0.0	-
12:57	0.0	0.0	12:57	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:58	0.0	0.0	12:58	0.0	0.0	-
12:59	0.0	0.0	12:59	0.0	0.0	-
13:00	0.0	0.0	13:00	0.0	0.0	-
13:01	0.0	0.0	13:01	0.0	0.0	-
13:02	0.0	0.0	13:02	0.0	0.0	-
13:03	0.0	0.0	13:03	0.0	0.0	-
13:04	0.0	0.0	13:04	0.0	0.0	-
13:05	0.0	0.0	13:05	0.0	0.0	-
13:06	0.0	0.0	13:06	0.0	0.0	-
13:07	0.0	0.0	13:07	0.0	0.0	-
13:08	0.0	0.0	13:08	0.0	0.0	-
13:09	0.0	0.0	13:09	0.0	0.0	-
13:10	0.0	0.0	13:10	0.0	0.0	-
13:11	0.0	0.0	13:11	0.0	0.0	-
13:12	0.0	0.0	13:12	0.0	0.0	-
13:13	0.0	0.0	13:13	0.0	0.0	-
13:14	0.0	0.0	13:14	0.0	0.0	-
13:15	0.0	0.0	13:15	0.0	0.0	-
13:16	0.0	0.0	13:16	0.0	0.0	-
13:17	0.0	0.0	13:17	0.0	0.0	-
13:18	0.0	0.0	13:18	0.0	0.0	-
13:19	0.0	0.0	13:19	0.0	0.0	-
13:20	0.0	0.0	13:20	0.0	0.0	-
13:21	0.0	0.0	13:21	0.0	0.0	-
13:22	0.0	0.0	13:22	0.0	0.0	-
13:23	0.0	0.0	13:23	0.0	0.0	-
13:24	0.0	0.0	13:24	0.0	0.0	-
13:25	0.0	0.0	13:25	0.0	0.0	-
13:26	0.0	0.0	13:26	0.0	0.0	-
13:27	0.0	0.0	13:27	0.0	0.0	-
13:28	0.0	0.0	13:28	0.0	0.0	-
13:29	0.0	0.0	13:29	0.0	0.0	-
13:30	0.0	0.0	13:30	0.0	0.0	-
13:31	0.0	0.0	13:31	0.0	0.0	-
13:32	0.0	0.0	13:32	0.0	0.0	-
13:33	0.0	0.0	13:33	0.0	0.0	-
13:34	0.0	0.0	13:34	0.0	0.0	-
13:35	0.0	0.0	13:35	0.0	0.0	-
13:36	0.0	0.0	13:36	0.0	0.0	-
13:37	0.0	0.0	13:37	0.0	0.0	-
13:38	0.0	0.0	13:38	0.0	0.0	-
13:39	0.0	0.0	13:39	0.0	0.0	-
13:40	0.0	0.0	13:40	0.0	0.0	-
13:41	0.0	0.0	13:41	0.0	0.0	-
13:42	0.0	0.0	13:42	0.0	0.0	-
13:43	0.0	0.0	13:43	0.0	0.0	-
13:44	0.0	0.0	13:44	0.0	0.0	-
13:45	0.0	0.0	13:45	0.0	0.0	-
13:46	0.0	0.0	13:46	0.0	0.0	-
13:47	0.0	0.0	13:47	0.0	0.0	-
13:48	0.0	0.0	13:48	0.0	0.0	-
13:49	0.0	0.0	13:49	0.0	0.0	-
13:50	0.0	0.0	13:50	0.0	0.0	-
13:51	0.0	0.0	13:51	0.0	0.0	-
13:52	0.0	0.0	13:52	0.0	0.0	-
13:53	0.0	0.0	13:53	0.0	0.0	-
13:54	0.0	0.0	13:54	0.0	0.0	-
13:55	0.0	0.0	13:55	0.0	0.0	-
13:56	0.0	0.0	13:56	0.0	0.0	-
13:57	0.0	0.0	13:57	0.0	0.0	-
13:58	0.0	0.0	13:58	0.0	0.0	-
13:59	0.0	0.0	13:59	0.0	0.0	-
14:00	0.0	0.0	14:00	0.0	0.0	-
14:01	0.0	0.0	14:01	0.0	0.0	-
14:02	0.0	0.0	14:02	0.0	0.0	-
14:03	0.0	0.0	14:03	0.0	0.0	-
14:04	0.0	0.0	14:04	0.0	0.0	-
14:05	0.0	0.0	14:05	0.0	0.0	-
14:06	0.0	0.0	14:06	0.0	0.0	-
14:07	0.0	0.0	14:07	0.0	0.0	-
14:08	0.0	0.0	14:08	0.0	0.0	-
14:09	0.0	0.0	14:09	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:10	0.0	0.0	14:10	0.0	0.0	-
14:11	0.0	0.0	14:11	0.0	0.0	-
14:12	0.0	0.0	14:12	0.0	0.0	-
14:13	0.0	0.0	14:13	0.0	0.0	-
14:14	0.0	0.0	14:14	0.0	0.0	-
14:15	0.0	0.0	14:15	0.0	0.0	-
14:16	0.0	0.0	14:16	0.0	0.0	-
14:17	0.0	0.0	14:17	0.0	0.0	-
14:18	0.0	0.0	14:18	0.0	0.0	-
14:19	0.0	0.0	14:19	0.0	0.0	-
14:20	0.0	0.0	14:20	0.0	0.0	-
14:21	0.0	0.0	14:21	0.0	0.0	-
14:22	0.0	0.0	14:22	0.0	0.0	-
14:23	0.0	0.0	14:23	0.0	0.0	-
14:24	0.0	0.0	14:24	0.0	0.0	-
14:25	0.0	0.0	14:25	0.0	0.0	-
14:26	0.0	0.0	14:26	0.0	0.0	-
14:27	0.0	0.0	14:27	0.0	0.0	-
14:28	0.0	0.0	14:28	0.0	0.0	-
14:29	0.0	0.0	14:29	0.0	0.0	-
14:30	0.0	0.0	14:30	0.0	0.0	-
14:31	0.0	0.0	14:31	0.0	0.0	-
14:32	0.0	0.0	14:32	0.0	0.0	-
14:33	0.0	0.0	14:33	0.0	0.0	-
14:34	0.0	0.0	14:34	0.0	0.0	-
14:35	0.0	0.0	14:35	0.0	0.0	-
14:36	0.0	0.0	14:36	0.0	0.0	-
14:37	0.0	0.0	14:37	0.0	0.0	-
14:38	0.0	0.0	14:38	0.0	0.0	-
14:39	0.0	0.0	14:39	0.0	0.0	-
14:40	0.0	0.0	14:40	0.0	0.0	-
14:41	0.0	0.0	14:41	0.0	0.0	-
14:42	0.0	0.0	14:42	0.0	0.0	-
14:43	0.0	0.0	14:43	0.0	0.0	-
14:44	0.0	0.0	14:44	0.0	0.0	-
14:45	0.0	0.0	14:45	0.0	0.0	-
14:46	0.0	0.0	14:46	0.0	0.0	-
14:47	0.0	0.0	14:47	0.0	0.0	-
14:48	0.0	0.0	14:48	0.0	0.0	-
14:49	0.0	0.0	14:49	0.0	0.0	-
14:50	0.0	0.0	14:50	0.0	0.0	-
14:51	0.0	0.0	14:51	0.0	0.0	-
14:52	0.0	0.0	14:52	0.0	0.0	-
14:53	0.0	0.0	14:53	0.0	0.0	-
14:54	0.0	0.0	14:54	0.0	0.0	-
14:55	0.0	0.0	14:55	0.0	0.0	-
14:56	0.0	0.0	14:56	0.0	0.0	-
14:57	0.0	0.0	14:57	0.0	0.0	-
14:58	0.0	0.0	14:58	0.0	0.0	-
14:59	0.0	0.0	14:59	0.0	0.0	-
15:00	0.0	0.0	15:00	0.0	0.0	-
15:01	0.0	0.0	15:01	0.0	0.0	-
15:02	0.0	0.0	15:02	0.0	0.0	-
15:03	0.0	0.0	15:03	0.0	0.0	-
15:04	0.0	0.0	15:04	0.0	0.0	-
15:05	0.0	0.0	15:05	0.0	0.0	-
15:06	0.0	0.0	15:06	0.0	0.0	-
15:07	0.0	0.0	15:07	0.0	0.0	-
15:08	0.0	0.0	15:08	0.0	0.0	-
15:09	0.0	0.0	15:09	0.0	0.0	-
15:10	0.0	0.0	15:10	0.0	0.0	-
15:11	0.0	0.0	15:11	0.0	0.0	-
15:12	0.0	0.0	15:12	0.0	0.0	-
15:13	0.0	0.0	15:13	0.0	0.0	-
15:14	0.0	0.0	15:14	0.0	0.0	-
15:15	0.0	0.0	15:15	0.0	0.0	-
15:16	0.0	0.0	15:16	0.0	0.0	-
15:17	0.0	0.0	15:17	0.0	0.0	-
15:18	0.0	0.0	15:18	0.0	0.0	-
15:19	0.0	0.0	15:19	0.0	0.0	-
15:20	0.0	0.0	15:20	0.0	0.0	-
15:21	0.0	0.0	15:21	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:22	0.0	0.0	15:22	0.0	0.0	-
15:23	0.0	0.0	15:23	0.0	0.0	-
15:24	0.0	0.0	15:24	0.0	0.0	-
15:25	0.0	0.0	15:25	0.0	0.0	-
15:26	0.0	0.0	15:26	0.0	0.0	-
15:27	0.0	0.0	15:27	0.0	0.0	-
15:28	0.0	0.0	15:28	0.0	0.0	-
15:29	0.0	0.0	15:29	0.0	0.0	-
15:30	0.0	0.0	15:30	0.0	0.0	-
15:31	0.0	0.0	15:31	0.0	0.0	-
15:32	0.0	0.0	15:32	0.0	0.0	-
15:33	0.0	0.0	15:33	0.0	0.0	-
15:34	0.0	0.0	15:34	0.0	0.0	-
15:35	0.0	0.0	15:35	0.0	0.0	-
15:36	0.0	0.0	15:36	0.0	0.0	-
15:37	0.0	0.0	15:37	0.0	0.0	-
15:38	0.0	0.0	15:38	0.0	0.0	-
15:39	0.0	0.0	15:39	0.0	0.0	-
15:40	0.0	0.0	15:40	0.0	0.0	-
15:41	0.0	0.0	15:41	0.0	0.0	-
15:42	0.0	0.0	15:42	0.0	0.0	-
15:43	0.0	0.0	15:43	0.0	0.0	-
15:44	0.0	0.0	15:44	0.0	0.0	-
15:45	0.0	0.0	15:45	0.0	0.0	-
15:46	0.0	0.0	15:46	0.0	0.0	-
15:47	0.0	0.0	15:47	0.0	0.0	-
15:48	0.0	0.0	15:48	0.0	0.0	-
15:49	0.0	0.0	15:49	0.0	0.0	-
15:50	0.0	0.0	15:50	0.0	0.0	-
15:51	0.0	0.0	15:51	0.0	0.0	-
15:52	0.0	0.0	15:52	0.0	0.0	-
15:53	0.0	0.0	15:53	0.0	0.0	-
15:54	0.0	0.0	15:54	0.0	0.0	-
15:55	0.0	0.0	15:55	0.0	0.0	-
15:56	0.0	0.0	15:56	0.0	0.0	-
15:57	0.0	0.0	15:57	0.0	0.0	-
15:58	0.0	0.0	15:58	0.0	0.0	-
15:59	0.0	0.0	15:59	0.0	0.0	-
16:00	0.0	0.0	16:00	0.0	0.0	-
16:01	0.0	0.0	16:01	0.0	0.0	-
16:02	0.0	0.0	16:02	0.0	0.0	-
16:03	0.0	0.0	16:03	0.0	0.0	-
16:04	0.0	0.0	16:04	0.0	0.0	-
16:05	0.0	0.0	16:05	0.0	0.0	-
16:06	0.0	0.0	16:06	0.0	0.0	-
16:07	0.0	0.0	16:07	0.0	0.0	-
16:08	0.0	0.0	16:08	0.0	0.0	-
16:09	0.0	0.0	16:09	0.0	0.0	-
16:10	0.0	0.0	16:10	0.0	0.0	-
16:11	0.0	0.0	16:11	0.0	0.0	-
16:12	0.0	0.0	16:12	0.0	0.0	-
16:13	0.0	0.0	16:13	0.0	0.0	-
16:14	0.0	0.0	16:14	0.0	0.0	-
16:15	0.0	0.0	16:15	0.0	0.0	-
16:16	0.0	0.0	16:16	0.0	0.0	-
16:17	0.0	0.0	16:17	0.0	0.0	-
16:18	0.0	0.0	16:18	0.0	0.0	-
16:19	0.0	0.0	16:19	0.0	0.0	-
16:20	0.0	0.0	16:20	0.0	0.0	-
16:21	0.0	0.0	16:21	0.0	0.0	-
16:22	0.0	0.0	16:22	0.0	0.0	-
16:23	0.0	0.0	16:23	0.0	0.0	-
16:24	0.0	0.0	16:24	0.0	0.0	-
16:25	0.0	0.0	16:25	0.0	0.0	-
16:26	0.0	0.0	16:26	0.0	0.0	-
16:27	0.0	0.0	16:27	0.0	0.0	-
16:28	0.0	0.0	16:28	0.0	0.0	-
16:29	0.0	0.0	16:29	0.0	0.0	-
16:30	0.0	0.0	16:30	0.0	0.0	-
16:31	0.0	0.0	16:31	0.0	0.0	-
16:32	0.0	0.0	16:32	0.0	0.0	-
16:33	0.0	0.0	16:33	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
16:34	0.0	0.0	16:34	0.0	0.0	-
16:35	0.0	0.0	16:35	0.0	0.0	-
16:36	0.0	0.0	16:36	0.0	0.0	-
16:37	0.0	0.0	16:37	0.0	0.0	-
16:38	0.0	0.0	16:38	0.0	0.0	-
16:39	0.0	0.0	16:39	0.0	0.0	-
16:40	0.0	0.0	16:40	0.0	0.0	-
16:41	0.0	0.0	16:41	0.0	0.0	-
16:42	0.0	0.0	16:42	0.0	0.0	-
16:43	0.0	0.0	16:43	0.0	0.0	-
16:44	0.0	0.0	16:44	0.0	0.0	-
16:45	0.0	0.0	16:45	0.0	0.0	-
16:46	0.0	0.0	16:46	0.0	0.0	-
16:47	0.0	0.0	16:47	0.0	0.0	-
16:48	0.0	0.0	16:48	0.0	0.0	-
16:49	0.0	0.0	16:49	0.0	0.0	-
16:50	0.0	0.0	16:50	0.0	0.0	-
16:51	0.0	0.0	16:51	0.0	0.0	-
16:52	0.0	0.0	16:52	0.0	0.0	-
16:53	0.0	0.0	16:53	0.0	0.0	-
16:54	0.0	0.0	16:54	0.0	0.0	-
16:55	0.0	0.0	16:55	0.0	0.0	-
16:56	0.0	0.0	16:56	0.0	0.0	-
16:57	0.0	0.0	16:57	0.0	0.0	-
16:58	0.0	0.0	16:58	0.0	0.0	-
16:59	0.0	0.0	16:59	0.0	0.0	-
17:00	0.0	0.0	17:00	0.0	0.0	-
17:01	0.0	0.0	17:01	0.0	0.0	-
17:02	0.0	0.0	17:02	0.0	0.0	-
17:03	0.0	0.0	17:03	0.0	0.0	-
17:04	0.0	0.0	17:04	0.0	0.0	-
17:05	0.0	0.0	17:05	0.0	0.0	-
17:06	0.0	0.0	17:06	0.0	0.0	-
17:07	0.0	0.0	17:07			
17:08	0.0	0.0	17:08			
17:09	0.0	0.0	17:09			
17:10	0.0	0.0	17:10			
17:11	0.0	0.0	17:11			

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/3/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.557	0.089
Maximum 15min Average	6.248	0.094
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.144	0.013
Maximum 1min Reading	0.616	0.564

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.3	0.0
Maximum 15min Average	0.5	0.5
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.2	0.0
Maximum 1min Reading	0.5	0.5

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.

March 3, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						326
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	
7:15	0.064		7:15			
7:16	0.017		7:16			
7:17	61.900		7:17			
7:18	14.100		7:18			
7:19	4.540		7:19			
7:20	3.820		7:20			
7:21	1.540		7:21			
7:22	1.290		7:22			
7:23	0.926		7:23			
7:24	0.878		7:24			
7:25	0.295		7:25			
7:26	1.190		7:26			
7:27	0.835		7:27	0.040		
7:28	0.805		7:28	0.058		
7:29	0.884	6.206	7:29	0.027		
7:30	0.310	6.222	7:30	0.023		
7:31	0.401	6.248	7:31	0.022		
7:32	0.170	2.132	7:32	0.024		
7:33	0.616	1.233	7:33	0.023		
7:34	0.216	0.945	7:34	0.028		
7:35	0.153	0.701	7:35	0.026		
7:36	0.539	0.634	7:36	0.023		
7:37	0.144	0.557	7:37	0.180		
7:38			7:38	0.342		
7:39			7:39	0.564		
7:40			7:40	0.017		
7:41			7:41	0.019	0.094	
7:42			7:42	0.013	0.093	
7:43			7:43	0.013	0.090	
7:44			7:44	0.016	0.089	
7:45			7:45	0.034	0.090	
7:46			7:46	0.016	0.089	
7:47			7:47	0.064	0.092	
7:48			7:48	0.021	0.092	
7:49			7:49	0.016	0.091	
7:50			7:50			
7:51			7:51			
7:52			7:52			
7:53			7:53			
7:54			7:54			
7:55			7:55			
7:56			7:56			
7:57			7:57			
7:58			7:58			
7:59			7:59			
8:00			8:00			
8:01			8:01			
8:02			8:02			
8:03			8:03			
8:04			8:04			
8:05			8:05			
8:06			8:06			
8:07			8:07			
8:08			8:08			
8:09			8:09			
8:10			8:10			
8:11			8:11			
8:12			8:12			
8:13			8:13			
8:14			8:14			
8:15			8:15			
8:16			8:16			
8:17			8:17			
8:18			8:18			
8:19			8:19			

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	
8:20			8:20			
8:21			8:21			
8:22			8:22			
8:23			8:23			
8:24			8:24			
8:25			8:25			
8:26			8:26			
8:27			8:27			
8:28			8:28			
8:29			8:29			
8:30			8:30			
8:31			8:31			
8:32			8:32			
8:33			8:33			
8:34			8:34			
8:35			8:35			
8:36			8:36			
8:37			8:37			
8:38			8:38			
8:39			8:39			
8:40			8:40			
8:41			8:41			
8:42			8:42			
8:43			8:43			
8:44			8:44			
8:45			8:45			
8:46			8:46			
8:47			8:47			
8:48			8:48			
8:49			8:49			
8:50			8:50			
8:51			8:51			
8:52			8:52			
8:53			8:53			
8:54			8:54			
8:55			8:55			
8:56			8:56			
8:57			8:57			
8:58			8:58			
8:59			8:59			
9:00			9:00			
9:01			9:01			
9:02			9:02			
9:03			9:03			
9:04			9:04			
9:05			9:05			
9:06			9:06			
9:07			9:07			
9:08			9:08			
9:09			9:09			
9:10			9:10			
9:11			9:11			
9:12			9:12			
9:13			9:13			
9:14			9:14			
9:15			9:15			
9:16			9:16			
9:17			9:17			
9:18			9:18			
9:19			9:19			
9:20			9:20			
9:21			9:21			
9:22			9:22			
9:23			9:23			
9:24			9:24			
9:25			9:25			
9:26			9:26			
9:27			9:27			

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	
9:28			9:28			
9:29			9:29			
9:30			9:30			
9:31			9:31			
9:32			9:32			
9:33			9:33			
9:34			9:34			
9:35			9:35			
9:36			9:36			
9:37			9:37			
9:38			9:38			
9:39			9:39			
9:40			9:40			
9:41			9:41			
9:42			9:42			
9:43			9:43			
9:44			9:44			
9:45			9:45			
9:46			9:46			
9:47			9:47			
9:48			9:48			
9:49			9:49			
9:50			9:50			
9:51			9:51			
9:52			9:52			
9:53			9:53			
9:54			9:54			
9:55			9:55			
9:56			9:56			
9:57			9:57			
9:58			9:58			
9:59			9:59			
10:00			10:00			
10:01			10:01			
10:02			10:02			
10:03			10:03			
10:04			10:04			
10:05			10:05			
10:06			10:06			
10:07			10:07			
10:08			10:08			
10:09			10:09			
10:10			10:10			
10:11			10:11			
10:12			10:12			
10:13	0.089		10:13			
10:14	0.086		10:14			
10:15	0.089		10:15			
10:16	0.091		10:16			
10:17	0.088		10:17			
10:18	0.085		10:18			
10:19	0.087		10:19			
10:20	0.088		10:20			
10:21	0.092		10:21			
10:22	0.088		10:22			
10:23	0.086		10:23	0.018		
10:24	0.087		10:24	0.017		
10:25	0.089		10:25	0.019		
10:26	0.088		10:26	0.019		
10:27	0.090	0.088	10:27	0.019		
10:28	0.087	0.088	10:28	0.019		
10:29	0.086	0.088	10:29	0.020		
10:30	0.086	0.088	10:30	0.019		
10:31	0.086	0.088	10:31	0.020		
10:32	0.086	0.087	10:32	0.021		
10:33	0.087	0.088	10:33	0.021		
10:34	0.088	0.088	10:34	0.021		
10:35	0.087	0.088	10:35	0.021		

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	
10:36	0.088	0.087	10:36	0.033		
10:37	0.088	0.087	10:37	0.031	0.021	-
10:38	0.088	0.087	10:38	0.027	0.022	-
10:39	0.086	0.087	10:39	0.025	0.022	-
10:40	0.085	0.087	10:40	0.029	0.023	-
10:41	0.085	0.087	10:41	0.028	0.024	-
10:42	0.086	0.087	10:42	0.023	0.024	-
10:43	0.087	0.087	10:43	0.021	0.024	-
10:44	0.087	0.087	10:44	0.020	0.024	-
10:45	0.087	0.087	10:45	0.022	0.024	-
10:46	0.086	0.087	10:46	0.023	0.024	-
10:47	0.086	0.087	10:47	0.022	0.024	-
10:48	0.087	0.087	10:48	0.023	0.025	-
10:49	0.088	0.087	10:49	0.025	0.025	-
10:50	0.087	0.087	10:50	0.021	0.025	-
10:51	0.086	0.087	10:51	0.022	0.024	-
10:52	0.087	0.087	10:52	0.022	0.024	-
10:53	0.087	0.086	10:53	0.020	0.023	-
10:54	0.085	0.086	10:54	0.020	0.023	-
10:55	0.086	0.086	10:55	0.023	0.022	-
10:56	0.090	0.087	10:56	0.022	0.022	-
10:57	0.087	0.087	10:57	0.020	0.022	-
10:58	0.087	0.087	10:58	0.021	0.022	-
10:59	0.087	0.087	10:59	0.020	0.022	-
11:00	0.089	0.087	11:00	0.022	0.022	-
11:01	0.089	0.087	11:01	0.021	0.022	-
11:02	0.090	0.087	11:02	0.020	0.021	-
11:03	0.089	0.088	11:03	0.021	0.021	-
11:04	0.087	0.088	11:04	0.022	0.021	-
11:05	0.086	0.087	11:05	0.021	0.021	-
11:06	0.088	0.088	11:06	0.020	0.021	-
11:07	0.088	0.088	11:07	0.022	0.021	-
11:08	0.085	0.088	11:08	0.022	0.021	-
11:09	0.087	0.088	11:09	0.022	0.021	-
11:10	0.089	0.088	11:10	0.022	0.021	-
11:11	0.087	0.088	11:11	0.026	0.021	-
11:12	0.086	0.088	11:12	0.029	0.022	-
11:13	0.087	0.088	11:13	0.027	0.022	-
11:14	0.090	0.088	11:14	0.030	0.023	-
11:15	0.089	0.088	11:15	0.029	0.024	-
11:16	0.088	0.088	11:16	0.024	0.024	-
11:17	0.087	0.088	11:17	0.035	0.025	-
11:18	0.090	0.088	11:18	0.034	0.026	-
11:19	0.092	0.088	11:19	0.037	0.027	-
11:20	0.088	0.088	11:20	0.039	0.028	-
11:21	0.086	0.088	11:21	0.043	0.029	-
11:22	0.087	0.088	11:22	0.041	0.031	-
11:23	0.086	0.088	11:23	0.026	0.031	-
11:24	0.085	0.088	11:24	0.023	0.031	-
11:25	0.085	0.088	11:25	0.025	0.031	-
11:26	0.085	0.087	11:26	0.036	0.032	-
11:27	0.092	0.088	11:27	0.023	0.031	-
11:28	0.087	0.088	11:28	0.021	0.031	-
11:29	0.084	0.087	11:29	0.023	0.031	-
11:30	0.086	0.087	11:30	0.022	0.030	-
11:31	0.084	0.087	11:31	0.022	0.030	-
11:32	0.084	0.087	11:32	0.020	0.029	-
11:33	0.084	0.086	11:33	0.022	0.028	-
11:34	0.085	0.086	11:34	0.021	0.027	-
11:35	0.085	0.086	11:35	0.022	0.026	-
11:36	0.086	0.086	11:36	0.024	0.025	-
11:37	0.087	0.086	11:37	0.020	0.023	-
11:38	0.085	0.086	11:38	0.025	0.023	-
11:39	0.085	0.086	11:39	0.023	0.023	-
11:40	0.087	0.086	11:40	0.020	0.023	-
11:41	0.087	0.086	11:41	0.020	0.022	-
11:42	0.086	0.085	11:42	0.020	0.022	-
11:43	0.086	0.085	11:43	0.019	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	
11:44	0.085	0.085	11:44	0.019	0.021	-
11:45	0.085	0.085	11:45	0.019	0.021	-
11:46	0.086	0.086	11:46	0.022	0.021	-
11:47	0.085	0.086	11:47	0.021	0.021	-
11:48	0.086	0.086	11:48	0.024	0.021	-
11:49	0.085	0.086	11:49	0.021	0.021	-
11:50	0.085	0.086	11:50	0.022	0.021	-
11:51	0.085	0.086	11:51	0.020	0.021	-
11:52	0.086	0.086	11:52	0.023	0.021	-
11:53	0.089	0.086	11:53	0.021	0.021	-
11:54	0.086	0.086	11:54	0.022	0.021	-
11:55	0.086	0.086	11:55	0.024	0.021	-
11:56	0.086	0.086	11:56	0.020	0.021	-
11:57	0.085	0.086	11:57	0.021	0.021	-
11:58	0.087	0.086	11:58	0.021	0.021	-
11:59	0.086	0.086	11:59	0.018	0.021	-
12:00	0.086	0.086	12:00	0.018	0.021	-
12:01	0.086	0.086	12:01	0.020	0.021	-
12:02	0.086	0.086	12:02	0.021	0.021	-
12:03	0.085	0.086	12:03	0.020	0.021	-
12:04	0.084	0.086	12:04	0.021	0.021	-
12:05	0.085	0.086	12:05	0.023	0.021	-
12:06	0.086	0.086	12:06	0.022	0.021	-
12:07	0.086	0.086	12:07	0.020	0.021	-
12:08	0.085	0.086	12:08	0.020	0.021	-
12:09	0.085	0.086	12:09	0.022	0.021	-
12:10	0.085	0.086	12:10	0.020	0.020	-
12:11	0.085	0.085	12:11	0.017	0.020	-
12:12	0.086	0.086	12:12	0.018	0.020	-
12:13	0.087	0.086	12:13	0.021	0.020	-
12:14	0.086	0.086	12:14	0.022	0.020	-
12:15	0.087	0.086	12:15	0.020	0.020	-
12:16	0.087	0.086	12:16	0.020	0.020	-
12:17	0.089	0.086	12:17	0.020	0.020	-
12:18	0.090	0.086	12:18	0.021	0.020	-
12:19	0.088	0.086	12:19	0.019	0.020	-
12:20	0.092	0.087	12:20	0.021	0.020	-
12:21	0.090	0.087	12:21	0.019	0.020	-
12:22	0.089	0.087	12:22	0.018	0.020	-
12:23	0.090	0.088	12:23	0.020	0.020	-
12:24	0.092	0.088	12:24	0.020	0.020	-
12:25	0.109	0.090	12:25	0.021	0.020	-
12:26	0.102	0.091	12:26	0.025	0.020	-
12:27	0.096	0.092	12:27	0.023	0.021	-
12:28	0.092	0.092	12:28	0.022	0.021	-
12:29	0.097	0.093	12:29	0.025	0.021	-
12:30	0.097	0.093	12:30	0.023	0.021	-
12:31	0.092	0.094	12:31	0.022	0.021	-
12:32	0.091	0.094	12:32	0.020	0.021	-
12:33	0.097	0.094	12:33	0.022	0.021	-
12:34	0.096	0.095	12:34	0.026	0.022	-
12:35	0.104	0.096	12:35	0.026	0.022	-
12:36	0.089	0.096	12:36	0.037	0.023	-
12:37	0.088	0.095	12:37	0.035	0.024	-
12:38	0.087	0.095	12:38	0.030	0.025	-
12:39	0.095	0.095	12:39	0.024	0.025	-
12:40	0.098	0.095	12:40	0.026	0.026	-
12:41	0.088	0.094	12:41	0.027	0.026	-
12:42	0.088	0.093	12:42	0.022	0.026	-
12:43	0.088	0.093	12:43	0.023	0.026	-
12:44	0.087	0.092	12:44	0.032	0.026	-
12:45	0.087	0.092	12:45	0.044	0.028	-
12:46	0.088	0.091	12:46	0.038	0.029	-
12:47	0.087	0.091	12:47	0.035	0.030	-
12:48	0.087	0.090	12:48	0.029	0.030	-
12:49	0.087	0.090	12:49	0.025	0.030	-
12:50	0.087	0.089	12:50	0.023	0.030	-
12:51	0.088	0.089	12:51	0.024	0.029	-

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	
12:52	0.087	0.089	12:52	0.030	0.029	-
12:53	0.088	0.089	12:53	0.024	0.028	-
12:54	0.088	0.088	12:54	0.024	0.028	-
12:55	0.088	0.088	12:55	0.022	0.028	-
12:56	0.087	0.087	12:56	0.020	0.028	-
12:57	0.087	0.087	12:57	0.023	0.028	-
12:58	0.087	0.087	12:58	0.022	0.028	-
12:59	0.090	0.088	12:59	0.021	0.027	-
13:00	0.087	0.088	13:00	0.022	0.025	-
13:01	0.087	0.087	13:01	0.022	0.024	-
13:02	0.087	0.087	13:02	0.021	0.023	-
13:03	0.087	0.087	13:03	0.021	0.023	-
13:04	0.091	0.088	13:04	0.021	0.023	-
13:05	0.088	0.088	13:05	0.025	0.023	-
13:06	0.088	0.088	13:06	0.027	0.023	-
13:07	0.089	0.088	13:07	0.027	0.023	-
13:08	0.088	0.088	13:08	0.026	0.023	-
13:09	0.087	0.088	13:09	0.025	0.023	-
13:10	0.088	0.088	13:10	0.026	0.023	-
13:11	0.088	0.088	13:11	0.026	0.024	-
13:12	0.089	0.088	13:12	0.025	0.024	-
13:13	0.089	0.088	13:13	0.023	0.024	-
13:14	0.089	0.088	13:14	0.023	0.024	-
13:15	0.088	0.088	13:15	0.026	0.024	-
13:16	0.089	0.088	13:16	0.022	0.024	-
13:17	0.090	0.089	13:17	0.023	0.024	-
13:18	0.090	0.089	13:18	0.023	0.025	-
13:19	0.089	0.089	13:19	0.022	0.025	-
13:20	0.089	0.089	13:20	0.023	0.024	-
13:21	0.088	0.089	13:21	0.024	0.024	-
13:22	0.089	0.089	13:22	0.023	0.024	-
13:23	0.090	0.089	13:23	0.023	0.024	-
13:24	0.090	0.089	13:24	0.027	0.024	-
13:25	0.089	0.089	13:25	0.025	0.024	-
13:26	0.089	0.089	13:26	0.027	0.024	-
13:27	0.092	0.089	13:27	0.025	0.024	-
13:28	0.089	0.089	13:28	0.025	0.024	-
13:29	0.089	0.089	13:29	0.026	0.024	-
13:30	0.089	0.089	13:30	0.029	0.024	-
13:31	0.091	0.090	13:31	0.026	0.025	-
13:32	0.091	0.090	13:32	0.025	0.025	-
13:33	0.089	0.090	13:33	0.027	0.025	-
13:34	0.089	0.090	13:34	0.024	0.025	-
13:35	0.088	0.089	13:35	0.024	0.025	-
13:36	0.087	0.089	13:36	0.028	0.026	-
13:37	0.087	0.089	13:37	0.028	0.026	-
13:38	0.088	0.089	13:38	0.027	0.026	-
13:39	0.089	0.089	13:39	0.027	0.026	-
13:40	0.089	0.089	13:40	0.026	0.026	-
13:41	0.088	0.089	13:41	0.027	0.026	-
13:42	0.088	0.089	13:42	0.028	0.026	-
13:43	0.088	0.089	13:43	0.029	0.027	-
13:44	0.088	0.089	13:44	0.030	0.027	-
13:45	0.091	0.089	13:45	0.029	0.027	-
13:46	0.092	0.089	13:46	0.028	0.027	-
13:47	0.090	0.089	13:47	0.027	0.027	-
13:48	0.090	0.089	13:48	0.026	0.027	-
13:49	0.091	0.089	13:49	0.027	0.027	-
13:50	0.087	0.089	13:50	0.027	0.028	-
13:51	0.087	0.089	13:51	0.026	0.027	-
13:52	0.089	0.089	13:52	0.025	0.027	-
13:53	0.088	0.089	13:53	0.026	0.027	-
13:54	0.087	0.089	13:54	0.025	0.027	-
13:55	0.088	0.089	13:55	0.027	0.027	-
13:56	0.089	0.089	13:56	0.029	0.027	-
13:57	0.089	0.089	13:57	0.027	0.027	-
13:58	0.088	0.089	13:58	0.026	0.027	-
13:59	0.089	0.089	13:59	0.028	0.027	-

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	
14:00	0.089	0.089	14:00	0.044	0.028	-
14:01	0.089	0.089	14:01	0.030	0.028	-
14:02	0.090	0.089	14:02	0.027	0.028	-
14:03	0.093	0.089	14:03	0.033	0.028	-
14:04	0.089	0.089	14:04	0.030	0.029	-
14:05	0.089	0.089	14:05	0.027	0.029	-
14:06	0.089	0.089	14:06	0.027	0.029	-
14:07	0.090	0.089	14:07	0.027	0.029	-
14:08	0.090	0.089	14:08	0.028	0.029	-
14:09	0.091	0.089	14:09	0.030	0.029	-
14:10	0.091	0.090	14:10	0.028	0.029	-
14:11	0.091	0.090	14:11	0.026	0.029	-
14:12	0.090	0.090	14:12	0.027	0.029	-
14:13	0.091	0.090	14:13	0.029	0.029	-
14:14	0.091	0.090	14:14	0.031	0.030	-
14:15	0.091	0.090	14:15	0.028	0.029	-
14:16	0.090	0.090	14:16	0.029	0.028	-
14:17	0.091	0.090	14:17	0.027	0.028	-
14:18	0.092	0.090	14:18	0.027	0.028	-
14:19	0.092	0.091	14:19	0.027	0.028	-
14:20	0.091	0.091	14:20	0.029	0.028	-
14:21	0.091	0.091	14:21	0.028	0.028	-
14:22	0.091	0.091	14:22	0.029	0.028	-
14:23	0.090	0.091	14:23	0.029	0.028	-
14:24	0.089	0.091	14:24	0.029	0.028	-
14:25	0.090	0.091	14:25	0.030	0.028	-
14:26	0.090	0.091	14:26	0.031	0.029	-
14:27	0.089	0.091	14:27	0.030	0.029	-
14:28	0.090	0.091	14:28	0.029	0.029	-
14:29	0.091	0.091	14:29	0.028	0.029	-
14:30	0.094	0.091	14:30	0.028	0.029	-
14:31	0.092	0.091	14:31	0.029	0.029	-
14:32	0.092	0.091	14:32	0.031	0.029	-
14:33	0.091	0.091	14:33	0.030	0.029	-
14:34	0.090	0.091	14:34	0.030	0.029	-
14:35	0.093	0.091	14:35	0.031	0.029	-
14:36	0.091	0.091	14:36	0.028	0.029	-
14:37	0.092	0.091	14:37	0.029	0.029	-
14:38	0.092	0.091	14:38	0.030	0.030	-
14:39	0.092	0.091	14:39	0.033	0.030	-
14:40	0.092	0.091	14:40	0.030	0.030	-
14:41	0.093	0.092	14:41	0.031	0.030	-
14:42	0.093	0.092	14:42	0.031	0.030	-
14:43	0.092	0.092	14:43	0.028	0.030	-
14:44	0.092	0.092	14:44	0.029	0.030	-
14:45	0.091	0.092	14:45	0.030	0.030	-
14:46	0.091	0.092	14:46	0.031	0.030	-
14:47	0.091	0.092	14:47	0.032	0.030	-
14:48	0.092	0.092	14:48	0.032	0.030	-
14:49	0.091	0.092	14:49	0.033	0.031	-
14:50	0.092	0.092	14:50	0.032	0.031	-
14:51	0.092	0.092	14:51	0.032	0.031	-
14:52	0.091	0.092	14:52	0.031	0.031	-
14:53	0.091	0.092	14:53	0.031	0.031	-
14:54	0.092	0.092	14:54	0.031	0.031	-
14:55	0.091	0.092	14:55	0.031	0.031	-
14:56	0.091	0.092	14:56	0.03	0.031	-
14:57	0.091	0.091	14:57	0.029	0.031	-
14:58	0.091	0.091	14:58	0.03	0.031	-
14:59	0.092	0.091	14:59	0.03	0.031	-
15:00	0.091	0.091	15:00	0.032	0.031	-
15:01	0.093	0.091	15:01	0.033	0.031	-
15:02	0.096	0.092	15:02	0.037	0.032	-
15:03	0.099	0.092	15:03	0.032	0.032	-
15:04	0.096	0.093	15:04	0.033	0.032	-
15:05	0.093	0.093	15:05	0.031	0.032	-
15:06	0.093	0.093	15:06	0.031	0.031	-
15:07	0.094	0.093	15:07	0.031	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	
15:08	0.094	0.093	15:08	0.03	0.031	-
15:09	0.094	0.093	15:09	0.03	0.031	-
15:10	0.094	0.093	15:10	0.031	0.031	-
15:11	0.095	0.094	15:11	0.03	0.031	-
15:12	0.094	0.094	15:12	0.03	0.031	-
15:13	0.094	0.094	15:13	0.033	0.032	-
15:14	0.093	0.094	15:14	0.042	0.032	-
15:15	0.092	0.094	15:15	0.042	0.033	-
15:16	0.093	0.094	15:16	0.031	0.033	-
15:17	0.094	0.094	15:17	0.032	0.033	-
15:18	0.094	0.094	15:18	0.032	0.033	-
15:19	0.095	0.094	15:19	0.031	0.032	-
15:20	0.095	0.094	15:20	0.033	0.033	-
15:21	0.095	0.094	15:21	0.033	0.033	-
15:22	0.093	0.094	15:22	0.034	0.033	-
15:23	0.094	0.094	15:23	0.032	0.033	-
15:24	0.094	0.094	15:24	0.031	0.033	-
15:25	0.095	0.094	15:25	0.031	0.033	-
15:26	0.094	0.094	15:26	0.030	0.033	-
15:27	0.093	0.094	15:27	0.035	0.033	-
15:28	0.095	0.094	15:28	0.038	0.034	-
15:29	0.093	0.094	15:29	0.034	0.033	-
15:30	0.093	0.094	15:30	0.033	0.033	-
15:31	0.092	0.094	15:31	0.035	0.033	-
15:32	0.093	0.094	15:32	0.036	0.033	-
15:33	0.093	0.094	15:33	0.032	0.033	-
15:34	0.093	0.094	15:34	0.031	0.033	-
15:35	0.093	0.094	15:35	0.031	0.033	-
15:36	0.096	0.094	15:36	0.032	0.033	-
15:37	0.096	0.094	15:37	0.033	0.033	-
15:38	0.096	0.094	15:38	0.033	0.033	-
15:39	0.095	0.094	15:39	0.037	0.033	-
15:40	0.094	0.094	15:40	0.034	0.034	-
15:41	0.093	0.094	15:41	0.032	0.034	-
15:42	0.093	0.094	15:42	0.031	0.033	-
15:43	0.094	0.094	15:43	0.031	0.033	-
15:44	0.094	0.094	15:44	0.032	0.033	-
15:45	0.093	0.094	15:45	0.033	0.033	-
15:46	0.095	0.094	15:46	0.035	0.033	-
15:47	0.093	0.094	15:47	0.045	0.033	-
15:48	0.094	0.094	15:48	0.040	0.034	-
15:49	0.094	0.094	15:49	0.037	0.034	-
15:50	0.094	0.094	15:50	0.034	0.035	-
15:51	0.094	0.094	15:51	0.035	0.035	-
15:52	0.096	0.094	15:52	0.031	0.035	-
15:53	0.095	0.094	15:53	0.034	0.035	-
15:54	0.094	0.094	15:54	0.032	0.034	-
15:55	0.093	0.094	15:55	0.033	0.034	-
15:56	0.093	0.094	15:56	0.033	0.034	-
15:57	0.093	0.094	15:57	0.032	0.034	-
15:58	0.092	0.094	15:58	0.034	0.035	-
15:59	0.093	0.094	15:59	0.035	0.035	-
16:00	0.093	0.094	16:00	0.036	0.035	-
16:01	0.093	0.094	16:01	0.037	0.035	-
16:02	0.094	0.094	16:02	0.036	0.035	-
16:03	0.096	0.094	16:03			

March 3, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						501
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:38	0.2		7:38			
7:39	0.2		7:39	0.0		
7:40	0.2		7:40	0.0		
7:41	0.2		7:41	0.0		
7:42	0.2		7:42	0.0		
7:43	0.3		7:43	0.0		
7:44	0.3		7:44	0.0		
7:45	0.3		7:45	0.0		
7:46	0.3		7:46	0.0		
7:47	0.3		7:47	0.0		
7:48	0.3		7:48	0.0		
7:49	0.3		7:49	0.0		
7:50	0.3		7:50	0.0		
7:51	0.3		7:51	0.0		
7:52	0.3	0.3	7:52	0.0		
7:53	0.3	0.3	7:53	0.0	0.0	-
7:54	0.3	0.3	7:54	0.0	0.0	-
7:55	0.3	0.3	7:55	0.0	0.0	-
7:56	0.3	0.3	7:56	0.0	0.0	-
7:57	0.4	0.3	7:57	0.0	0.0	-
7:58	0.4	0.3	7:58	0.0	0.0	-
7:59	0.4	0.3	7:59	0.0	0.0	-
8:00	0.4	0.3	8:00	0.0	0.0	-
8:01	0.4	0.3	8:01	0.0	0.0	-
8:02	0.4	0.3	8:02	0.0	0.0	-
8:03	0.4	0.3	8:03	0.0	0.0	-
8:04	0.4	0.4	8:04	0.0	0.0	-
8:05	0.4	0.4	8:05	0.0	0.0	-
8:06	0.4	0.4	8:06	0.0	0.0	-
8:07	0.4	0.4	8:07	0.0	0.0	-
8:08	0.4	0.4	8:08	0.0	0.0	-
8:09	0.4	0.4	8:09	0.0	0.0	-
8:10	0.4	0.4	8:10	0.0	0.0	-
8:11	0.4	0.4	8:11	0.0	0.0	-
8:12	0.4	0.4	8:12	0.0	0.0	-
8:13	0.4	0.4	8:13	0.0	0.0	-
8:14	0.4	0.4	8:14	0.0	0.0	-
8:15	0.4	0.4	8:15	0.0	0.0	-
8:16	0.4	0.4	8:16	0.0	0.0	-
8:17	0.4	0.4	8:17	0.0	0.0	-
8:18	0.4	0.4	8:18	0.0	0.0	-
8:19	0.4	0.4	8:19	0.0	0.0	-
8:20	0.4	0.4	8:20	0.0	0.0	-
8:21	0.4	0.4	8:21	0.0	0.0	-
8:22	0.4	0.4	8:22	0.0	0.0	-
8:23	0.4	0.4	8:23	0.0	0.0	-
8:24	0.4	0.4	8:24	0.0	0.0	-
8:25	0.4	0.4	8:25	0.0	0.0	-
8:26	0.4	0.4	8:26	0.0	0.0	-
8:27	0.4	0.4	8:27	0.0	0.0	-
8:28	0.4	0.4	8:28	0.0	0.0	-
8:29	0.4	0.4	8:29	0.0	0.0	-
8:30	0.4	0.4	8:30	0.0	0.0	-
8:31	0.4	0.4	8:31	0.0	0.0	-
8:32	0.4	0.4	8:32	0.0	0.0	-
8:33	0.4	0.4	8:33	0.0	0.0	-
8:34	0.4	0.4	8:34	0.0	0.0	-
8:35	0.4	0.4	8:35	0.0	0.0	-
8:36	0.4	0.4	8:36	0.0	0.0	-
8:37	0.4	0.4	8:37	0.0	0.0	-
8:38	0.4	0.4	8:38	0.0	0.0	-
8:39	0.4	0.4	8:39	0.0	0.0	-
8:40	0.5	0.4	8:40	0.0	0.0	-
8:41	0.5	0.4	8:41	0.0	0.0	-
8:42	0.5	0.4	8:42	0.0	0.0	-
8:43	0.5	0.4	8:43	0.0	0.0	-
8:44	0.5	0.4	8:44	0.0	0.0	-
8:45	0.5	0.4	8:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:46	0.5	0.4	8:46	0.0	0.0	-
8:47	0.5	0.5	8:47	0.0	0.0	-
8:48	0.5	0.5	8:48	0.0	0.0	-
8:49	0.5	0.5	8:49	0.0	0.0	-
8:50	0.5	0.5	8:50	0.0	0.0	-
8:53	0.5	0.5	8:53	0.0	0.0	-
8:54	0.5	0.5	8:54	0.0	0.0	-
8:55	0.5	0.5	8:55	0.0	0.0	-
8:56	0.5	0.5	8:56	0.0	0.0	-
8:57	0.5	0.5	8:57	0.0	0.0	-
8:58	0.5	0.5	8:58	0.0	0.0	-
8:59	0.5	0.5	8:59	0.0	0.0	-
9:00	0.5	0.5	9:00	0.0	0.0	-
9:01	0.5	0.5	9:01	0.0	0.0	-
9:02	0.5	0.5	9:02	0.0	0.0	-
9:03	0.5	0.5	9:03	0.0	0.0	-
9:04	0.5	0.5	9:04	0.0	0.0	-
9:05	0.5	0.5	9:05	0.0	0.0	-
9:06	0.5	0.5	9:06	0.0	0.0	-
9:07	0.5	0.5	9:07	0.0	0.0	-
9:08	0.5	0.5	9:08	0.0	0.0	-
9:09	0.5	0.5	9:09	0.0	0.0	-
9:10	0.5	0.5	9:10	0.0	0.0	-
9:11	0.5	0.5	9:11	0.0	0.0	-
9:12	0.5	0.5	9:12	0.0	0.0	-
9:13	0.5	0.5	9:13	0.0	0.0	-
9:14	0.5	0.5	9:14	0.0	0.0	-
9:15	0.5	0.5	9:15	0.0	0.0	-
9:16	0.5	0.5	9:16	0.0	0.0	-
9:17	0.5	0.5	9:17	0.0	0.0	-
9:18	0.5	0.5	9:18	0.0	0.0	-
9:19	0.5	0.5	9:19	0.0	0.0	-
9:20	0.5	0.5	9:20	0.0	0.0	-
9:21	0.5	0.5	9:21	0.0	0.0	-
9:22	0.5	0.5	9:22	0.0	0.0	-
9:23	0.5	0.5	9:23	0.0	0.0	-
9:24	0.5	0.5	9:24	0.0	0.0	-
9:25	0.5	0.5	9:25	0.0	0.0	-
9:26	0.5	0.5	9:26	0.0	0.0	-
9:27	0.5	0.5	9:27	0.0	0.0	-
9:28	0.5	0.5	9:28	0.0	0.0	-
9:29	0.5	0.5	9:29	0.0	0.0	-
9:30	0.5	0.5	9:30	0.0	0.0	-
9:31	0.5	0.5	9:31	0.0	0.0	-
9:32	0.5	0.5	9:32	0.0	0.0	-
9:33	0.5	0.5	9:33	0.0	0.0	-
9:34	0.5	0.5	9:34	0.0	0.0	-
9:35	0.5	0.5	9:35	0.0	0.0	-
9:36	0.5	0.5	9:36	0.0	0.0	-
9:37	0.5	0.5	9:37	0.0	0.0	-
9:38	0.5	0.5	9:38	0.0	0.0	-
9:39	0.5	0.5	9:39	0.0	0.0	-
9:40	0.5	0.5	9:40	0.0	0.0	-
9:41	0.5	0.5	9:41	0.0	0.0	-
9:42	0.5	0.5	9:42	0.0	0.0	-
9:43	0.5	0.5	9:43	0.0	0.0	-
9:44	0.5	0.5	9:44	0.0	0.0	-
9:45	0.5	0.5	9:45	0.0	0.0	-
9:46	0.5	0.5	9:46	0.0	0.0	-
9:47	0.5	0.5	9:47	0.0	0.0	-
9:48	0.5	0.5	9:48	0.0	0.0	-
9:49	0.5	0.5	9:49	0.0	0.0	-
9:50	0.5	0.5	9:50	0.0	0.0	-
9:51	0.5	0.5	9:51	0.0	0.0	-
9:52	0.5	0.5	9:52	0.0	0.0	-
9:53	0.5	0.5	9:53	0.0	0.0	-
9:54	0.5	0.5	9:54	0.0	0.0	-
9:55	0.5	0.5	9:55	0.0	0.0	-
9:56	0.5	0.5	9:56	0.0	0.0	-
9:57	0.5	0.5	9:57	0.0	0.0	-
9:58	0.5	0.5	9:58	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:59	0.5	0.5	9:59	0.0	0.0	-
10:00	0.5	0.5	10:00	0.0	0.0	-
10:01	0.5	0.5	10:01	0.0	0.0	-
10:02	0.5	0.5	10:02	0.0	0.0	-
10:03	0.5	0.5	10:03	0.0	0.0	-
10:04	0.5	0.5	10:04	0.0	0.0	-
10:05	0.5	0.5	10:05	0.0	0.0	-
10:06	0.5	0.5	10:06	0.0	0.0	-
10:07	0.5	0.5	10:07	0.0	0.0	-
10:08	0.5	0.5	10:08	0.0	0.0	-
10:09	0.5	0.5	10:09	0.0	0.0	-
10:10	0.5	0.5	10:10	0.0	0.0	-
10:11	0.5	0.5	10:11	0.0	0.0	-
10:12	0.5	0.5	10:12	0.0	0.0	-
10:13	0.5	0.5	10:13	0.0	0.0	-
10:14	0.5	0.5	10:14	0.0	0.0	-
10:15	0.5	0.5	10:15	0.0	0.0	-
10:16	0.5	0.5	10:16	0.0	0.0	-
10:17	0.5	0.5	10:17	0.0	0.0	-
10:18	0.5	0.5	10:18	0.0	0.0	-
10:19	0.5	0.5	10:19	0.0	0.0	-
10:20	0.5	0.5	10:20	0.0	0.0	-
10:21	0.5	0.5	10:21	0.0	0.0	-
10:22	0.5	0.5	10:22	0.0	0.0	-
10:23	0.5	0.5	10:23	0.0	0.0	-
10:24	0.5	0.5	10:24	0.0	0.0	-
10:25	0.5	0.5	10:25	0.0	0.0	-
10:26	0.5	0.5	10:26	0.0	0.0	-
10:27	0.5	0.5	10:27	0.0	0.0	-
10:28	0.5	0.5	10:28	0.0	0.0	-
10:29	0.5	0.5	10:29	0.0	0.0	-
10:30	0.5	0.5	10:30	0.0	0.0	-
10:31	0.5	0.5	10:31	0.0	0.0	-
10:32	0.5	0.5	10:32	0.0	0.0	-
10:33	0.5	0.5	10:33	0.0	0.0	-
10:34	0.5	0.5	10:34	0.0	0.0	-
10:35	0.5	0.5	10:35	0.0	0.0	-
10:36	0.5	0.5	10:36	0.0	0.0	-
10:37	0.5	0.5	10:37	0.0	0.0	-
10:38	0.5	0.5	10:38	0.0	0.0	-
10:39	0.5	0.5	10:39	0.0	0.0	-
10:40	0.5	0.5	10:40	0.0	0.0	-
10:41	0.5	0.5	10:41	0.0	0.0	-
10:42	0.5	0.5	10:42	0.0	0.0	-
10:43	0.5	0.5	10:43	0.0	0.0	-
10:44	0.5	0.5	10:44	0.0	0.0	-
10:45	0.5	0.5	10:45	0.0	0.0	-
10:46	0.5	0.5	10:46	0.0	0.0	-
10:47	0.5	0.5	10:47	0.0	0.0	-
10:48	0.5	0.5	10:48	0.0	0.0	-
10:49	0.5	0.5	10:49	0.0	0.0	-
10:50	0.5	0.5	10:50	0.0	0.0	-
10:51	0.5	0.5	10:51	0.0	0.0	-
10:52	0.5	0.5	10:52	0.0	0.0	-
10:53	0.5	0.5	10:53	0.0	0.0	-
10:54	0.5	0.5	10:54	0.0	0.0	-
10:55	0.5	0.5	10:55	0.0	0.0	-
10:56	0.5	0.5	10:56	0.0	0.0	-
10:57	0.5	0.5	10:57	0.0	0.0	-
10:58	0.5	0.5	10:58	0.0	0.0	-
10:59	0.5	0.5	10:59	0.0	0.0	-
11:00	0.5	0.5	11:00	0.0	0.0	-
11:01	0.5	0.5	11:01	0.0	0.0	-
11:02	0.5	0.5	11:02	0.0	0.0	-
11:03	0.5	0.5	11:03	0.0	0.0	-
11:04	0.6	0.5	11:04	0.0	0.0	-
11:05	0.6	0.5	11:05	0.0	0.0	-
11:06	0.6	0.5	11:06	0.0	0.0	-
11:07	0.6	0.5	11:07	0.0	0.0	-
11:08	0.6	0.5	11:08	0.0	0.0	-
11:09	0.6	0.5	11:09	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:10	0.6	0.5	11:10	0.0	0.0	-
11:11	0.6	0.6	11:11	0.0	0.0	-
11:12	0.6	0.6	11:12	0.0	0.0	-
11:13	0.6	0.6	11:13	0.0	0.0	-
11:14	0.6	0.6	11:14	0.0	0.0	-
11:15	0.6	0.6	11:15	0.0	0.0	-
11:16	0.6	0.6	11:16	0.0	0.0	-
11:17	0.6	0.6	11:17	0.0	0.0	-
11:18	0.6	0.6	11:18	0.0	0.0	-
11:19	0.6	0.6	11:19	0.0	0.0	-
11:20	0.6	0.6	11:20	0.0	0.0	-
11:21	0.6	0.6	11:21	0.0	0.0	-
11:22	0.6	0.6	11:22	0.0	0.0	-
11:23	0.6	0.6	11:23	0.0	0.0	-
11:24	0.6	0.6	11:24	0.0	0.0	-
11:25	0.6	0.6	11:25	0.0	0.0	-
11:26	0.6	0.6	11:26	0.0	0.0	-
11:27	0.6	0.6	11:27	0.0	0.0	-
11:28	0.6	0.6	11:28	0.0	0.0	-
11:29	0.6	0.6	11:29	0.0	0.0	-
11:30	0.6	0.6	11:30	0.0	0.0	-
11:31	0.6	0.6	11:31	0.0	0.0	-
11:32	0.6	0.6	11:32	0.0	0.0	-
11:33	0.7	0.6	11:33	0.0	0.0	-
11:34	0.6	0.6	11:34	0.0	0.0	-
11:35	0.6	0.6	11:35	0.0	0.0	-
11:36	0.7	0.6	11:36	0.0	0.0	-
11:37	0.7	0.6	11:37	0.0	0.0	-
11:38	0.7	0.6	11:38	0.0	0.0	-
11:39	0.7	0.6	11:39	0.0	0.0	-
11:40	0.7	0.6	11:40	0.0	0.0	-
11:41	0.7	0.6	11:41	0.0	0.0	-
11:42	0.7	0.7	11:42	0.0	0.0	-
11:43	0.7	0.7	11:43	0.0	0.0	-
11:44	0.7	0.7	11:44	0.0	0.0	-
11:45	0.7	0.7	11:45	0.0	0.0	-
11:46	0.6	0.7	11:46	0.0	0.0	-
11:47	0.7	0.7	11:47	0.0	0.0	-
11:48	0.6	0.7	11:48	0.0	0.0	-
11:49	0.6	0.7	11:49	0.0	0.0	-
11:50	0.7	0.7	11:50	0.0	0.0	-
11:51	0.6	0.7	11:51	0.0	0.0	-
11:52	0.6	0.7	11:52	0.0	0.0	-
11:53	0.7	0.7	11:53	0.0	0.0	-
11:54	0.7	0.7	11:54	0.0	0.0	-
11:55	0.7	0.7	11:55	0.0	0.0	-
11:56	0.7	0.7	11:56	0.0	0.0	-
11:57	0.7	0.7	11:57	0.0	0.0	-
11:58	0.7	0.7	11:58	0.0	0.0	-
11:59	0.7	0.7	11:59	0.0	0.0	-
12:00	0.7	0.7	12:00	0.0	0.0	-
12:01	0.7	0.7	12:01	0.0	0.0	-
12:02	0.7	0.7	12:02	0.0	0.0	-
12:03	0.7	0.7	12:03	0.0	0.0	-
12:04	0.7	0.7	12:04	0.0	0.0	-
12:05	0.7	0.7	12:05	0.0	0.0	-
12:06	0.7	0.7	12:06	0.0	0.0	-
12:07	0.7	0.7	12:07	0.0	0.0	-
12:08	0.7	0.7	12:08	0.0	0.0	-
12:09	0.7	0.7	12:09	0.0	0.0	-
12:10	0.7	0.7	12:10	0.0	0.0	-
12:11	0.7	0.7	12:11	0.0	0.0	-
12:12	0.7	0.7	12:12	0.0	0.0	-
12:13	0.7	0.7	12:13	0.0	0.0	-
12:14	0.7	0.7	12:14	0.0	0.0	-
12:15	0.7	0.7	12:15	0.0	0.0	-
12:16	0.7	0.7	12:16	0.0	0.0	-
12:17	0.7	0.7	12:17	0.0	0.0	-
12:18	0.7	0.7	12:18	0.0	0.0	-
12:19	0.7	0.7	12:19	0.0	0.0	-
12:20	0.7	0.7	12:20	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:21	0.7	0.7	12:21	0.0	0.0	-
12:22	0.7	0.7	12:22	0.0	0.0	-
12:23	0.7	0.7	12:23	0.0	0.0	-
12:24	0.7	0.7	12:24	0.0	0.0	-
12:25	0.7	0.7	12:25	0.0	0.0	-
12:26	0.7	0.7	12:26	0.0	0.0	-
12:27	0.7	0.7	12:27	0.0	0.0	-
12:28	0.7	0.7	12:28	0.0	0.0	-
12:29	0.7	0.7	12:29	0.0	0.0	-
12:30	0.7	0.7	12:30	0.0	0.0	-
12:31	0.7	0.7	12:31	0.0	0.0	-
12:32	0.7	0.7	12:32	0.0	0.0	-
12:33	0.7	0.7	12:33	0.0	0.0	-
12:34	0.7	0.7	12:34	0.0	0.0	-
12:35	0.7	0.7	12:35	0.0	0.0	-
12:36	0.7	0.7	12:36	0.0	0.0	-
12:37	0.7	0.7	12:37	0.0	0.0	-
12:38	0.7	0.7	12:38	0.0	0.0	-
12:39	0.7	0.7	12:39	0.0	0.0	-
12:40	0.8	0.7	12:40	0.0	0.0	-
12:41	0.7	0.7	12:41	0.0	0.0	-
12:42	0.7	0.7	12:42	0.0	0.0	-
12:43	0.7	0.7	12:43	0.0	0.0	-
12:44	0.7	0.7	12:44	0.0	0.0	-
12:45	0.7	0.7	12:45	0.0	0.0	-
12:46	0.7	0.7	12:46	0.0	0.0	-
12:47	0.8	0.7	12:47	0.0	0.0	-
12:48	0.8	0.7	12:48	0.0	0.0	-
12:49	0.7	0.7	12:49	0.0	0.0	-
12:50	0.7	0.7	12:50	0.0	0.0	-
12:51	0.7	0.7	12:51	0.0	0.0	-
12:52	0.7	0.7	12:52	0.0	0.0	-
12:53	0.7	0.7	12:53	0.0	0.0	-
12:54	0.7	0.7	12:54	0.0	0.0	-
12:55	0.7	0.7	12:55	0.0	0.0	-
12:56	0.7	0.7	12:56	0.0	0.0	-
12:57	0.7	0.7	12:57	0.0	0.0	-
12:58	0.7	0.7	12:58	0.0	0.0	-
12:59	0.7	0.7	12:59	0.0	0.0	-
13:00	0.7	0.7	13:00	0.0	0.0	-
13:01	0.7	0.7	13:01	0.0	0.0	-
13:02	0.7	0.7	13:02	0.0	0.0	-
13:03	0.7	0.7	13:03	0.0	0.0	-
13:04	0.7	0.7	13:04	0.0	0.0	-
13:05	0.7	0.7	13:05	0.0	0.0	-
13:06	0.7	0.7	13:06	0.0	0.0	-
13:07	0.7	0.7	13:07	0.0	0.0	-
13:08	0.7	0.7	13:08	0.0	0.0	-
13:09	0.7	0.7	13:09	0.0	0.0	-
13:10	0.7	0.7	13:10	0.0	0.0	-
13:11	0.7	0.7	13:11	0.0	0.0	-
13:12	0.7	0.7	13:12	0.0	0.0	-
13:13	0.7	0.7	13:13	0.0	0.0	-
13:14	0.7	0.7	13:14	0.0	0.0	-
13:15	0.7	0.7	13:15	0.0	0.0	-
13:16	0.7	0.7	13:16	0.0	0.0	-
13:17	0.7	0.7	13:17	0.0	0.0	-
13:18	0.7	0.7	13:18	0.0	0.0	-
13:19	0.7	0.7	13:19	0.0	0.0	-
13:20	0.7	0.7	13:20	0.0	0.0	-
13:21	0.7	0.7	13:21	0.0	0.0	-
13:22	0.7	0.7	13:22	0.0	0.0	-
13:23	0.7	0.7	13:23	0.0	0.0	-
13:24	0.7	0.7	13:24	0.0	0.0	-
13:25	0.7	0.7	13:25	0.0	0.0	-
13:26	0.7	0.7	13:26	0.0	0.0	-
13:27	0.7	0.7	13:27	0.0	0.0	-
13:28	0.7	0.7	13:28	0.0	0.0	-
13:29	0.7	0.7	13:29	0.0	0.0	-
13:30	0.7	0.7	13:30	0.0	0.0	-
13:31	0.7	0.7	13:31	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:32	0.7	0.7	13:32	0.0	0.0	-
13:33	0.7	0.7	13:33	0.0	0.0	-
13:34	0.7	0.7	13:34	0.0	0.0	-
13:35	0.7	0.7	13:35	0.0	0.0	-
13:36	0.7	0.7	13:36	0.0	0.0	-
13:37	0.7	0.7	13:37	0.0	0.0	-
13:38	0.7	0.7	13:38	0.0	0.0	-
13:39	0.7	0.7	13:39	0.0	0.0	-
13:40	0.7	0.7	13:40	0.0	0.0	-
13:41	0.7	0.7	13:41	0.0	0.0	-
13:42	0.7	0.7	13:42	0.0	0.0	-
13:43	0.7	0.7	13:43	0.0	0.0	-
13:44	0.7	0.7	13:44	0.0	0.0	-
13:45	0.7	0.7	13:45	0.0	0.0	-
13:46	0.7	0.7	13:46	0.0	0.0	-
13:47	0.7	0.7	13:47	0.0	0.0	-
13:48	0.7	0.7	13:48	0.0	0.0	-
13:49	0.7	0.7	13:49	0.0	0.0	-
13:50	0.7	0.7	13:50	0.0	0.0	-
13:51	0.7	0.7	13:51	0.0	0.0	-
13:52	0.7	0.7	13:52	0.0	0.0	-
13:53	0.7	0.7	13:53	0.0	0.0	-
13:54	0.7	0.7	13:54	0.0	0.0	-
13:55	0.7	0.7	13:55	0.0	0.0	-
13:56	0.7	0.7	13:56	0.0	0.0	-
13:57	0.7	0.7	13:57	0.0	0.0	-
13:58	0.7	0.7	13:58	0.0	0.0	-
13:59	0.7	0.7	13:59	0.0	0.0	-
14:00	0.7	0.7	14:00	0.0	0.0	-
14:01	0.7	0.7	14:01	0.0	0.0	-
14:02	0.7	0.7	14:02	0.0	0.0	-
14:03	0.7	0.7	14:03	0.0	0.0	-
14:04	0.7	0.7	14:04	0.0	0.0	-
14:05	0.7	0.7	14:05	0.0	0.0	-
14:06	0.7	0.7	14:06	0.0	0.0	-
14:07	0.7	0.7	14:07	0.0	0.0	-
14:08	0.7	0.7	14:08	0.0	0.0	-
14:09	0.7	0.7	14:09	0.0	0.0	-
14:10	0.7	0.7	14:10	0.0	0.0	-
14:11	0.7	0.7	14:11	0.0	0.0	-
14:12	0.7	0.7	14:12	0.0	0.0	-
14:13	0.7	0.7	14:13	0.0	0.0	-
14:14	0.7	0.7	14:14	0.0	0.0	-
14:15	0.7	0.7	14:15	0.0	0.0	-
14:16	0.7	0.7	14:16	0.0	0.0	-
14:17	0.7	0.7	14:17	0.0	0.0	-
14:18	0.7	0.7	14:18	0.0	0.0	-
14:19	0.7	0.7	14:19	0.0	0.0	-
14:20	0.7	0.7	14:20	0.0	0.0	-
14:21	0.7	0.7	14:21	0.0	0.0	-
14:22	0.7	0.7	14:22	0.0	0.0	-
14:23	0.7	0.7	14:23	0.0	0.0	-
14:24	0.7	0.7	14:24	0.0	0.0	-
14:25	0.7	0.7	14:25	0.0	0.0	-
14:26	0.7	0.7	14:26	0.0	0.0	-
14:27	0.7	0.7	14:27	0.0	0.0	-
14:28	0.7	0.7	14:28	0.0	0.0	-
14:29	0.7	0.7	14:29	0.0	0.0	-
14:30	0.7	0.7	14:30	0.0	0.0	-
14:31	0.7	0.7	14:31	0.0	0.0	-
14:32	0.7	0.7	14:32	0.0	0.0	-
14:33	0.7	0.7	14:33	0.0	0.0	-
14:34	0.7	0.7	14:34	0.0	0.0	-
14:35	0.7	0.7	14:35	0.0	0.0	-
14:36	0.7	0.7	14:36	0.0	0.0	-
14:37	0.7	0.7	14:37	0.0	0.0	-
14:38	0.7	0.7	14:38	0.0	0.0	-
14:39	0.7	0.7	14:39	0.0	0.0	-
14:40	0.7	0.7	14:40	0.0	0.0	-
14:41	0.7	0.7	14:41	0.0	0.0	-
14:42	0.7	0.7	14:42	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:43	0.7	0.7	14:43	0.0	0.0	-
14:44	0.7	0.7	14:44	0.0	0.0	-
14:45	0.7	0.7	14:45	0.0	0.0	-
14:46	0.7	0.7	14:46	0.0	0.0	-
14:47	0.7	0.7	14:47	0.0	0.0	-
14:48	0.7	0.7	14:48	0.0	0.0	-
14:49	0.7	0.7	14:49	0.0	0.0	-
14:50	0.7	0.7	14:50	0.0	0.0	-
14:51	0.7	0.7	14:51	0.0	0.0	-
14:52	0.7	0.7	14:52	0.0	0.0	-
14:53	0.7	0.7	14:53	0.0	0.0	-
14:54	0.7	0.7	14:54	0.0	0.0	-
14:55	0.7	0.7	14:55	0.0	0.0	-
14:56	0.7	0.7	14:56	0.0	0.0	-
14:57	0.7	0.7	14:57	0.0	0.0	-
14:58	0.7	0.7	14:58	0.0	0.0	-
14:59	0.7	0.7	14:59	0.0	0.0	-
15:00	0.7	0.7	15:00	0.0	0.0	-
15:01	0.7	0.7	15:01	0.0	0.0	-
15:02	0.7	0.7	15:02	0.0	0.0	-
15:03	0.7	0.7	15:03	0.0	0.0	-
15:04	0.7	0.7	15:04	0.0	0.0	-
15:05	0.7	0.7	15:05	0.0	0.0	-
15:06	0.7	0.7	15:06	0.0	0.0	-
15:07	0.7	0.7	15:07	0.0	0.0	-
15:08	0.7	0.7	15:08	0.0	0.0	-
15:09	0.7	0.7	15:09	0.0	0.0	-
15:10	0.7	0.7	15:10	0.0	0.0	-
15:11	0.7	0.7	15:11	0.0	0.0	-
15:12	0.7	0.7	15:12	0.0	0.0	-
15:13	0.7	0.7	15:13	0.0	0.0	-
15:14	0.7	0.7	15:14	0.0	0.0	-
15:15	0.7	0.7	15:15	0.0	0.0	-
15:16	0.7	0.7	15:16	0.0	0.0	-
15:17	0.7	0.7	15:17	0.0	0.0	-
15:18	0.7	0.7	15:18	0.0	0.0	-
15:19	0.7	0.7	15:19	0.0	0.0	-
15:20	0.7	0.7	15:20	0.0	0.0	-
15:21	0.7	0.7	15:21	0.0	0.0	-
15:22	0.7	0.7	15:22	0.0	0.0	-
15:23	0.7	0.7	15:23	0.0	0.0	-
15:24	0.6	0.7	15:24	0.0	0.0	-
15:25	0.7	0.7	15:25	0.0	0.0	-
15:26	0.7	0.7	15:26	0.0	0.0	-
15:27	0.7	0.7	15:27	0.0	0.0	-
15:28	0.7	0.7	15:28	0.0	0.0	-
15:29	0.7	0.7	15:29	0.0	0.0	-
15:30	0.7	0.7	15:30	0.0	0.0	-
15:31	0.7	0.7	15:31	0.0	0.0	-
15:32	0.7	0.7	15:32	0.0	0.0	-
15:33	0.7	0.7	15:33	0.0	0.0	-
15:34	0.7	0.7	15:34	0.0	0.0	-
15:35	0.7	0.7	15:35	0.0	0.0	-
15:36	0.7	0.7	15:36	0.0	0.0	-
15:37	0.7	0.7	15:37	0.0	0.0	-
15:38	0.7	0.7	15:38	0.0	0.0	-
15:39	0.7	0.7	15:39	0.0	0.0	-
15:40	0.7	0.7	15:40	0.0	0.0	-
15:41	0.7	0.7	15:41	0.0	0.0	-
15:42	0.7	0.7	15:42	0.0	0.0	-
15:43	0.7	0.7	15:43	0.0	0.0	-
15:44	0.7	0.7	15:44	0.0	0.0	-
15:45	0.7	0.7	15:45	0.0	0.0	-
15:46	0.7	0.7	15:46	0.0	0.0	-
15:47	0.7	0.7	15:47	0.0	0.0	-
15:48	0.7	0.7	15:48	0.0	0.0	-
15:49	0.7	0.7	15:49	0.0	0.0	-
15:50	0.7	0.7	15:50	0.0	0.0	-
15:51	0.7	0.7	15:51	0.0	0.0	-
15:52	0.7	0.7	15:52	0.0	0.0	-
15:53	0.7	0.7	15:53	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:54	0.7	0.7	15:54	0.0	0.0	-
15:55	0.7	0.7	15:55	0.0	0.0	-
15:56	0.8	0.7	15:56	0.0	0.0	-
15:57	0.8	0.7	15:57	0.0	0.0	-
15:58	0.8	0.7	15:58	0.0	0.0	-
15:59	0.8	0.7	15:59	0.0	0.0	-
16:00	0.8	0.7	16:00	0.0	0.0	-
16:01	0.8	0.7	16:01	0.0	0.0	-
16:02	0.8	0.7	16:02	0.0	0.0	-
16:03	0.8	0.8	16:03	0.0	0.0	-
16:04	0.8	0.8	16:04	0.0	0.0	-
16:05	0.8	0.8	16:05	0.0	0.0	-
16:06	0.8	0.8	16:06	0.0	0.0	-
16:07	0.8	0.8	16:07	0.0	0.0	-
16:08	0.8	0.8	16:08	0.0	0.0	-
16:09	0.8	0.8	16:09	0.0	0.0	-
16:10	0.9	0.8	16:10	0.0	0.0	-
16:11	0.9	0.8	16:11	0.0	0.0	-
16:12	0.9	0.8	16:12	0.0	0.0	-
16:13	0.9	0.8	16:13	0.0	0.0	-
16:14	0.9	0.8	16:14			
16:15	0.9	0.8	16:15			
16:16	0.9	0.8	16:16			
16:17	0.9	0.9	16:17			
16:18	0.9	0.9	16:18			
16:19	0.9	0.9	16:19			
16:20	0.9	0.9	16:20			
16:21	0.9	0.9	16:21			
16:22	0.9	0.9	16:22			
16:23	0.9	0.9	16:23			
16:24	0.9	0.9	16:24			
16:25	0.9	0.9	16:25			

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/4/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.035	0.041
Maximum 15min Average	0.064	0.076
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.033	0.038
Maximum 1min Reading	0.063	0.180

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.7
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	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.

March 4, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						477
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	
7:24			7:24	0.069		
7:25	0.063		7:25	0.071		
7:26	0.071		7:26	0.072		
7:27	0.070		7:27	0.073		
7:28	0.069		7:28	0.072		
7:29	0.142		7:29	0.074		
7:30	0.057		7:30	0.071		
7:31	0.056		7:31	0.070		
7:32	0.054		7:32	0.067		
7:33	0.053		7:33	0.076		
7:34	0.055		7:34	0.180		
7:35	0.054		7:35	0.061		
7:36	0.053		7:36	0.063		
7:37	0.054		7:37	0.060		
7:38	0.051		7:38	0.061	0.076	
7:39	0.054	0.064	7:39	0.061	0.075	-
7:40	0.062	0.064	7:40	0.062	0.075	-
7:41	0.056	0.063	7:41	0.062	0.074	-
7:42	0.063	0.062	7:42	0.060	0.073	-
7:43	0.060	0.062	7:43	0.058	0.072	-
7:44	0.058	0.056	7:44	0.060	0.071	-
7:45	0.054	0.056	7:45	0.057	0.071	-
7:46	0.050	0.055	7:46	0.057	0.070	-
7:47	0.054	0.055	7:47	0.058	0.069	-
7:48	0.055	0.056	7:48	0.055	0.068	-
7:49	0.050	0.055	7:49	0.053	0.059	-
7:50	0.048	0.055	7:50	0.049	0.058	-
7:51	0.045	0.054	7:51	0.049	0.057	-
7:52	0.043	0.054	7:52	0.046	0.057	-
7:53	0.041	0.053	7:53	0.046	0.056	-
7:54	0.041	0.052	7:54	0.047	0.055	-
7:55	0.041	0.051	7:55	0.048	0.054	-
7:56	0.042	0.050	7:56	0.044	0.052	-
7:57	0.041	0.048	7:57	0.044	0.051	-
7:58	0.041	0.047	7:58	0.044	0.050	-
7:59	0.038	0.046	7:59	0.042	0.049	-
8:00	0.035	0.044	8:00	0.042	0.048	-
8:01	0.034	0.043	8:01	0.040	0.047	-
8:02	0.033	0.042	8:02	0.041	0.046	-
8:03	0.034	0.040	8:03	0.038	0.045	-
8:04	0.033	0.039	8:04	0.039	0.044	-
8:05	0.034	0.038	8:05	0.040	0.043	-
8:06	0.035	0.038	8:06	0.041	0.043	-
8:07	0.035	0.037	8:07	0.040	0.042	-
8:08	0.035	0.037	8:08	0.040	0.042	-
8:09	0.033	0.036	8:09	0.040	0.042	-
8:10	0.033	0.036	8:10	0.038	0.041	-
8:11	0.033	0.035	8:11	0.039	0.041	-
8:12	0.033	0.035	8:12	0.038	0.040	-
8:13	0.032	0.034	8:13	0.040	0.040	-
8:14	0.033	0.034	8:14	0.046	0.040	-
8:15	0.035	0.034	8:15	0.040	0.040	-
8:16	0.033	0.034	8:16	0.036	0.040	-
8:17	0.030	0.033	8:17	0.037	0.039	-
8:18	0.030	0.033	8:18	0.035	0.039	-
8:19	0.029	0.033	8:19	0.034	0.039	-
8:20	0.028	0.032	8:20	0.034	0.039	-
8:21	0.028	0.032	8:21	0.035	0.038	-
8:22	0.029	0.032	8:22	0.034	0.038	-
8:23	0.028	0.031	8:23	0.035	0.037	-
8:24	0.027	0.031	8:24	0.034	0.037	-
8:25	0.028	0.030	8:25	0.035	0.037	-
8:26	0.028	0.030	8:26	0.034	0.036	-
8:27	0.026	0.030	8:27	0.033	0.036	-
8:28	0.026	0.029	8:28	0.033	0.036	-

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	
8:29	0.026	0.029	8:29	0.032	0.035	-
8:30	0.024	0.028	8:30	0.032	0.034	-
8:31	0.024	0.027	8:31	0.031	0.034	-
8:32	0.024	0.027	8:32	0.032	0.034	-
8:33	0.026	0.027	8:33	0.032	0.033	-
8:34	0.026	0.027	8:34	0.033	0.033	-
8:35	0.027	0.026	8:35	0.034	0.033	-
8:36	0.026	0.026	8:36	0.032	0.033	-
8:37	0.026	0.026	8:37	0.033	0.033	-
8:38	0.025	0.026	8:38	0.031	0.033	-
8:39	0.023	0.026	8:39	0.030	0.032	-
8:40	0.024	0.025	8:40	0.031	0.032	-
8:41	0.024	0.025	8:41	0.030	0.032	-
8:42	0.023	0.025	8:42	0.030	0.032	-
8:43	0.023	0.025	8:43	0.032	0.032	-
8:44	0.023	0.025	8:44	0.032	0.032	-
8:45	0.024	0.025	8:45	0.033	0.032	-
8:46	0.025	0.025	8:46	0.031	0.032	-
8:47	0.024	0.025	8:47	0.030	0.032	-
8:48	0.021	0.024	8:48	0.031	0.032	-
8:49	0.022	0.024	8:49	0.030	0.031	-
8:50	0.020	0.024	8:50	0.029	0.031	-
8:51	0.020	0.023	8:51	0.029	0.031	-
8:52	0.019	0.023	8:52	0.027	0.030	-
8:53	0.020	0.022	8:53	0.028	0.030	-
8:54	0.020	0.022	8:54	0.032	0.030	-
8:55	0.025	0.022	8:55	0.028	0.030	-
8:56	0.022	0.022	8:56	0.030	0.030	-
8:57	0.023	0.022	8:57	0.028	0.030	-
8:58	0.020	0.022	8:58	0.026	0.030	-
8:59	0.018	0.022	8:59	0.025	0.029	-
9:00	0.019	0.021	9:00	0.026	0.029	-
9:01	0.021	0.021	9:01	0.027	0.028	-
9:02	0.018	0.021	9:02	0.025	0.028	-
9:03	0.016	0.020	9:03	0.025	0.028	-
9:04	0.016	0.020	9:04	0.024	0.027	-
9:05	0.015	0.019	9:05	0.025	0.027	-
9:06	0.015	0.019	9:06	0.025	0.027	-
9:07	0.016	0.019	9:07	0.025	0.027	-
9:08	0.015	0.019	9:08	0.024	0.026	-
9:09	0.014	0.018	9:09	0.023	0.026	-
9:10	0.014	0.017	9:10	0.024	0.025	-
9:11	0.015	0.017	9:11	0.026	0.025	-
9:12	0.014	0.016	9:12	0.026	0.025	-
9:13	0.016	0.016	9:13	0.026	0.025	-
9:14	0.014	0.016	9:14	0.025	0.025	-
9:15	0.014	0.016	9:15	0.025	0.025	-
9:16	0.015	0.015	9:16	0.024	0.025	-
9:17	0.015	0.015	9:17	0.025	0.025	-
9:18	0.015	0.015	9:18	0.024	0.025	-
9:19	0.016	0.015	9:19	0.025	0.025	-
9:20	0.017	0.015	9:20	0.024	0.025	-
9:21	0.015	0.015	9:21	0.027	0.025	-
9:22	0.018	0.015	9:22	0.028	0.025	-
9:23	0.020	0.015	9:23	0.027	0.025	-
9:24	0.018	0.016	9:24	0.025	0.025	-
9:25	0.016	0.016	9:25	0.026	0.026	-
9:26	0.015	0.016	9:26	0.028	0.026	-
9:27	0.017	0.016	9:27	0.026	0.026	-
9:28	0.018	0.016	9:28	0.025	0.026	-
9:29	0.016	0.016	9:29	0.026	0.026	-
9:30	0.015	0.016	9:30	0.024	0.026	-
9:31	0.014	0.016	9:31	0.024	0.026	-
9:32	0.014	0.016	9:32	0.022	0.025	-
9:33	0.013	0.016	9:33	0.022	0.025	-
9:34	0.012	0.016	9:34	0.022	0.025	-
9:35	0.013	0.016	9:35	0.024	0.025	-
9:36	0.014	0.016	9:36	0.024	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	
9:37	0.014	0.015	9:37	0.023	0.025	-
9:38	0.014	0.015	9:38	0.025	0.024	-
9:39	0.014	0.015	9:39	0.025	0.024	-
9:40	0.014	0.014	9:40	0.026	0.024	-
9:41	0.016	0.015	9:41	0.028	0.024	-
9:42	0.015	0.014	9:42	0.027	0.024	-
9:43	0.014	0.014	9:43	0.023	0.024	-
9:44	0.014	0.014	9:44	0.023	0.024	-
9:45	0.013	0.014	9:45	0.022	0.024	-
9:46	0.012	0.014	9:46	0.021	0.024	-
9:47	0.012	0.014	9:47	0.022	0.024	-
9:48	0.011	0.013	9:48	0.022	0.024	-
9:49	0.011	0.013	9:49	0.021	0.024	-
9:50	0.011	0.013	9:50	0.022	0.024	-
9:51	0.011	0.013	9:51	0.021	0.023	-
9:52	0.011	0.013	9:52	0.022	0.023	-
9:53	0.011	0.013	9:53	0.021	0.023	-
9:54	0.011	0.012	9:54	0.020	0.023	-
9:55	0.016	0.013	9:55	0.021	0.022	-
9:56	0.011	0.012	9:56	0.019	0.022	-
9:57	0.011	0.012	9:57	0.019	0.021	-
9:58	0.009	0.012	9:58	0.019	0.021	-
9:59	0.010	0.011	9:59	0.019	0.021	-
10:00	0.008	0.011	10:00	0.018	0.020	-
10:01	0.008	0.011	10:01	0.018	0.020	-
10:02	0.008	0.011	10:02	0.018	0.020	-
10:03	0.008	0.010	10:03	0.018	0.020	-
10:04	0.008	0.010	10:04	0.019	0.020	-
10:05	0.010	0.010	10:05	0.019	0.019	-
10:06	0.009	0.010	10:06	0.020	0.019	-
10:07	0.011	0.010	10:07	0.024	0.019	-
10:08	0.010	0.010	10:08	0.019	0.019	-
10:09	0.009	0.010	10:09	0.019	0.019	-
10:10	0.011	0.009	10:10	0.018	0.019	-
10:11	0.008	0.009	10:11	0.017	0.019	-
10:12	0.007	0.009	10:12	0.018	0.019	-
10:13	0.009	0.009	10:13	0.022	0.019	-
10:14	0.012	0.009	10:14	0.022	0.019	-
10:15	0.010	0.009	10:15	0.020	0.019	-
10:16	0.009	0.009	10:16	0.022	0.020	-
10:17	0.012	0.010	10:17	0.021	0.020	-
10:18	0.011	0.010	10:18	0.020	0.020	-
10:19	0.009	0.010	10:19	0.020	0.020	-
10:20	0.009	0.010	10:20	0.021	0.020	-
10:21	0.010	0.010	10:21	0.021	0.020	-
10:22	0.009	0.010	10:22	0.021	0.020	-
10:23	0.009	0.010	10:23	0.020	0.020	-
10:24	0.008	0.010	10:24	0.018	0.020	-
10:25	0.009	0.009	10:25	0.017	0.020	-
10:26	0.007	0.009	10:26	0.018	0.020	-
10:27	0.007	0.009	10:27	0.017	0.020	-
10:28	0.008	0.009	10:28	0.018	0.020	-
10:29	0.009	0.009	10:29	0.018	0.019	-
10:30	0.008	0.009	10:30	0.018	0.019	-
10:31	0.008	0.009	10:31	0.018	0.019	-
10:32	0.009	0.009	10:32	0.017	0.019	-
10:33	0.008	0.008	10:33	0.017	0.019	-
10:34	0.007	0.008	10:34	0.017	0.018	-
10:35	0.006	0.008	10:35	0.017	0.018	-
10:36	0.007	0.008	10:36	0.017	0.018	-
10:37	0.006	0.008	10:37	0.016	0.018	-
10:38	0.006	0.008	10:38	0.015	0.017	-
10:39	0.007	0.007	10:39	0.015	0.017	-
10:40	0.008	0.007	10:40	0.015	0.017	-
10:41	0.013	0.008	10:41	0.016	0.017	-
10:42	0.029	0.009	10:42	0.016	0.017	-
10:43	0.016	0.010	10:43	0.015	0.016	-
10:44	0.010	0.010	10:44	0.015	0.016	-

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	
10:45	0.014	0.010	10:45	0.015	0.016	-
10:46	0.014	0.011	10:46	0.015	0.016	-
10:47	0.010	0.011	10:47	0.015	0.016	-
10:48	0.007	0.011	10:48	0.015	0.016	-
10:49	0.009	0.011	10:49	0.015	0.015	-
10:50	0.008	0.011	10:50	0.015	0.015	-
10:51	0.007	0.011	10:51	0.017	0.015	-
10:52	0.007	0.011	10:52	0.016	0.015	-
10:53	0.007	0.011	10:53	0.015	0.015	-
10:54	0.006	0.011	10:54	0.015	0.015	-
10:55	0.006	0.011	10:55	0.015	0.015	-
10:56	0.006	0.010	10:56	0.015	0.015	-
10:57	0.007	0.009	10:57	0.016	0.015	-
10:58	0.008	0.008	10:58	0.016	0.015	-
10:59	0.009	0.008	10:59	0.017	0.015	-
11:00	0.007	0.008	11:00	0.017	0.016	-
11:01	0.007	0.007	11:01	0.016	0.016	-
11:02	0.007	0.007	11:02	0.015	0.016	-
11:03	0.007	0.007	11:03	0.016	0.016	-
11:04	0.007	0.007	11:04	0.016	0.016	-
11:05	0.007	0.007	11:05	0.015	0.016	-
11:06	0.009	0.007	11:06	0.015	0.016	-
11:07	0.007	0.007	11:07	0.016	0.016	-
11:08	0.006	0.007	11:08	0.015	0.016	-
11:09	0.007	0.007	11:09	0.015	0.016	-
11:10	0.008	0.007	11:10	0.016	0.016	-
11:11	0.008	0.007	11:11	0.016	0.016	-
11:12	0.007	0.007	11:12	0.015	0.016	-
11:13	0.007	0.007	11:13	0.016	0.016	-
11:14	0.007	0.007	11:14	0.016	0.016	-
11:15	0.007	0.007	11:15	0.016	0.016	-
11:16	0.007	0.007	11:16	0.017	0.016	-
11:17	0.008	0.007	11:17	0.016	0.016	-
11:18	0.007	0.007	11:18	0.016	0.016	-
11:19	0.008	0.007	11:19	0.016	0.016	-
11:20	0.007	0.007	11:20	0.016	0.016	-
11:21	0.007	0.007	11:21	0.016	0.016	-
11:22	0.008	0.007	11:22	0.016	0.016	-
11:23	0.008	0.007	11:23	0.016	0.016	-
11:24	0.008	0.007	11:24	0.016	0.016	-
11:25	0.008	0.007	11:25	0.016	0.016	-
11:26	0.008	0.007	11:26	0.016	0.016	-
11:27	0.009	0.008	11:27	0.017	0.016	-
11:28	0.022	0.009	11:28	0.029	0.017	-
11:29	0.038	0.011	11:29	0.022	0.017	-
11:30	0.016	0.011	11:30	0.022	0.018	-
11:31	0.013	0.012	11:31	0.019	0.018	-
11:32	0.012	0.012	11:32	0.017	0.018	-
11:33	0.009	0.012	11:33	0.016	0.018	-
11:34	0.012	0.012	11:34	0.017	0.018	-
11:35	0.009	0.012	11:35	0.015	0.018	-
11:36	0.007	0.012	11:36	0.015	0.018	-
11:37	0.006	0.012	11:37	0.015	0.018	-
11:38	0.009	0.012	11:38	0.015	0.018	-
11:39	0.006	0.012	11:39	0.015	0.018	-
11:40	0.008	0.012	11:40	0.016	0.018	-
11:41	0.008	0.012	11:41	0.017	0.018	-
11:42	0.008	0.012	11:42	0.016	0.018	-
11:43	0.007	0.011	11:43	0.018	0.017	-
11:44	0.008	0.009	11:44	0.016	0.017	-
11:45	0.007	0.009	11:45	0.017	0.016	-
11:46	0.010	0.008	11:46	0.017	0.016	-
11:47	0.010	0.008	11:47	0.018	0.016	-
11:48	0.012	0.008	11:48	0.018	0.016	-
11:49	0.010	0.008	11:49	0.017	0.016	-
11:50	0.017	0.009	11:50	0.015	0.016	-
11:51	0.014	0.009	11:51	0.016	0.016	-
11:52	0.010	0.010	11:52	0.015	0.016	-

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	
11:53	0.007	0.009	11:53	0.015	0.016	-
11:54	0.008	0.010	11:54	0.016	0.016	-
11:55	0.008	0.010	11:55	0.014	0.016	-
11:56	0.006	0.009	11:56	0.015	0.016	-
11:57	0.006	0.009	11:57	0.013	0.016	-
11:58	0.010	0.010	11:58	0.015	0.016	-
11:59	0.007	0.009	11:59	0.014	0.016	-
12:00	0.006	0.009	12:00	0.014	0.015	-
12:01	0.006	0.009	12:01	0.014	0.015	-
12:02	0.006	0.009	12:02	0.014	0.015	-
12:03	0.006	0.008	12:03	0.014	0.015	-
12:04	0.011	0.009	12:04	0.014	0.015	-
12:05	0.009	0.008	12:05	0.015	0.015	-
12:06	0.005	0.007	12:06	0.013	0.014	-
12:07	0.006	0.007	12:07	0.015	0.014	-
12:08	0.009	0.007	12:08	0.014	0.014	-
12:09	0.009	0.007	12:09	0.016	0.014	-
12:10	0.011	0.008	12:10	0.016	0.014	-
12:11	0.012	0.008	12:11	0.014	0.014	-
12:12	0.009	0.008	12:12	0.014	0.014	-
12:13	0.006	0.008	12:13	0.013	0.014	-
12:14	0.006	0.008	12:14	0.014	0.014	-
12:15	0.005	0.008	12:15	0.014	0.014	-
12:16	0.009	0.008	12:16	0.014	0.014	-
12:17	0.007	0.008	12:17	0.014	0.014	-
12:18	0.006	0.008	12:18	0.014	0.014	-
12:19	0.010	0.008	12:19	0.014	0.014	-
12:20	0.006	0.008	12:20	0.013	0.014	-
12:21	0.005	0.008	12:21	0.013	0.014	-
12:22	0.005	0.008	12:22	0.014	0.014	-
12:23	0.006	0.007	12:23	0.014	0.014	-
12:24	0.006	0.007	12:24	0.014	0.014	-
12:25	0.014	0.007	12:25	0.015	0.014	-
12:26	0.013	0.008	12:26	0.014	0.014	-
12:27	0.007	0.007	12:27	0.014	0.014	-
12:28	0.007	0.007	12:28	0.014	0.014	-
12:29	0.005	0.007	12:29	0.014	0.014	-
12:30	0.004	0.007	12:30	0.013	0.014	-
12:31	0.004	0.007	12:31	0.013	0.014	-
12:32	0.006	0.007	12:32	0.013	0.014	-
12:33	0.006	0.007	12:33	0.013	0.014	-
12:34	0.005	0.007	12:34	0.013	0.014	-
12:35	0.005	0.007	12:35	0.014	0.014	-
12:36	0.020	0.008	12:36	0.015	0.014	-
12:37	0.015	0.008	12:37	0.014	0.014	-
12:38	0.006	0.008	12:38	0.014	0.014	-
12:39	0.004	0.008	12:39	0.013	0.014	-
12:40	0.004	0.007	12:40	0.013	0.014	-
12:41	0.005	0.007	12:41	0.012	0.013	-
12:42	0.004	0.007	12:42	0.012	0.013	-
12:43	0.006	0.007	12:43	0.013	0.013	-
12:44	0.007	0.007	12:44	0.012	0.013	-
12:45	0.004	0.007	12:45	0.013	0.013	-
12:46	0.004	0.007	12:46	0.013	0.013	-
12:47	0.008	0.007	12:47	0.013	0.013	-
12:48	0.004	0.007	12:48	0.013	0.013	-
12:49	0.005	0.007	12:49	0.013	0.013	-
12:50	0.005	0.007	12:50	0.012	0.013	-
12:51	0.004	0.006	12:51	0.012	0.013	-
12:52	0.004	0.005	12:52	0.013	0.013	-
12:53	0.004	0.005	12:53	0.013	0.013	-
12:54	0.004	0.005	12:54	0.013	0.013	-
12:55	0.005	0.005	12:55	0.013	0.013	-
12:56	0.005	0.005	12:56	0.013	0.013	-
12:57	0.004	0.005	12:57	0.015	0.013	-
12:58	0.005	0.005	12:58	0.014	0.013	-
12:59	0.006	0.005	12:59	0.014	0.013	-
13:00	0.005	0.005	13:00	0.013	0.013	-

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	
13:01	0.007	0.005	13:01	0.014	0.013	-
13:02	0.013	0.005	13:02	0.013	0.013	-
13:03	0.006	0.005	13:03	0.016	0.013	-
13:04	0.005	0.005	13:04	0.015	0.014	-
13:05	0.006	0.006	13:05	0.014	0.014	-
13:06	0.007	0.006	13:06	0.014	0.014	-
13:07	0.008	0.006	13:07	0.014	0.014	-
13:08	0.006	0.006	13:08	0.014	0.014	-
13:09	0.007	0.006	13:09	0.013	0.014	-
13:10	0.005	0.006	13:10	0.013	0.014	-
13:11	0.005	0.006	13:11	0.013	0.014	-
13:12	0.005	0.006	13:12	0.013	0.014	-
13:13	0.005	0.006	13:13	0.013	0.014	-
13:14	0.005	0.006	13:14	0.013	0.014	-
13:15	0.005	0.006	13:15	0.013	0.014	-
13:16	0.005	0.006	13:16	0.013	0.014	-
13:17	0.005	0.006	13:17	0.013	0.014	-
13:18	0.005	0.006	13:18	0.013	0.013	-
13:19	0.005	0.006	13:19	0.014	0.013	-
13:20	0.005	0.006	13:20	0.014	0.013	-
13:21	0.006	0.005	13:21	0.013	0.013	-
13:22	0.006	0.005	13:22	0.014	0.013	-
13:23	0.005	0.005	13:23	0.014	0.013	-
13:24	0.005	0.005	13:24	0.015	0.013	-
13:25	0.005	0.005	13:25	0.014	0.013	-
13:26	0.006	0.005	13:26	0.014	0.014	-
13:27	0.005	0.005	13:27	0.014	0.014	-
13:28	0.006	0.005	13:28	0.014	0.014	-
13:29	0.004	0.005	13:29	0.014	0.014	-
13:30	0.004	0.005	13:30	0.017	0.014	-
13:31	0.004	0.005	13:31	0.016	0.014	-
13:32	0.005	0.005	13:32	0.014	0.014	-
13:33	0.004	0.005	13:33	0.014	0.014	-
13:34	0.006	0.005	13:34	0.014	0.014	-
13:35	0.004	0.005	13:35	0.014	0.014	-
13:36	0.005	0.005	13:36	0.014	0.014	-
13:37	0.006	0.005	13:37	0.014	0.014	-
13:38	0.005	0.005	13:38	0.013	0.014	-
13:39	0.006	0.005	13:39	0.014	0.014	-
13:40	0.009	0.005	13:40	0.014	0.014	-
13:41	0.008	0.005	13:41	0.015	0.014	-
13:42	0.020	0.006	13:42	0.019	0.015	-
13:43	0.015	0.007	13:43	0.018	0.015	-
13:44	0.008	0.007	13:44	0.015	0.015	-
13:45	0.007	0.007	13:45	0.014	0.015	-
13:46	0.007	0.008	13:46	0.014	0.015	-
13:47	0.005	0.008	13:47	0.013	0.015	-
13:48	0.005	0.008	13:48	0.013	0.015	-
13:49	0.005	0.008	13:49	0.013	0.014	-
13:50	0.004	0.008	13:50	0.014	0.014	-
13:51	0.006	0.008	13:51	0.014	0.014	-
13:52	0.005	0.008	13:52	0.013	0.014	-
13:53	0.005	0.008	13:53	0.013	0.014	-
13:54	0.005	0.008	13:54	0.013	0.014	-
13:55	0.006	0.007	13:55	0.013	0.014	-
13:56	0.005	0.007	13:56	0.013	0.014	-
13:57	0.005	0.006	13:57	0.013	0.014	-
13:58	0.005	0.006	13:58	0.014	0.013	-
13:59	0.005	0.005	13:59	0.014	0.013	-
14:00	0.007	0.005	14:00	0.013	0.013	-
14:01	0.006	0.005	14:01	0.014	0.013	-
14:02	0.006	0.005	14:02	0.013	0.013	-
14:03	0.006	0.005	14:03	0.013	0.013	-
14:04	0.005	0.005	14:04	0.014	0.013	-
14:05	0.006	0.006	14:05	0.014	0.013	-
14:06	0.006	0.006	14:06	0.014	0.013	-
14:07	0.005	0.006	14:07	0.014	0.013	-
14:08	0.005	0.006	14:08	0.014	0.014	-

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	
14:09	0.008	0.006	14:09	0.015	0.014	-
14:10	0.010	0.006	14:10	0.015	0.014	-
14:11	0.012	0.006	14:11	0.015	0.014	-
14:12	0.006	0.007	14:12	0.016	0.014	-
14:13	0.007	0.007	14:13	0.016	0.014	-
14:14	0.007	0.007	14:14	0.016	0.014	-
14:15	0.008	0.007	14:15	0.015	0.015	-
14:16	0.006	0.007	14:16	0.015	0.015	-
14:17	0.006	0.007	14:17	0.014	0.015	-
14:18	0.009	0.007	14:18	0.014	0.015	-
14:19	0.011	0.007	14:19	0.015	0.015	-
14:20	0.006	0.007	14:20	0.014	0.015	-
14:21	0.006	0.007	14:21	0.015	0.015	-
14:22	0.006	0.008	14:22	0.016	0.015	-
14:23	0.008	0.008	14:23	0.015	0.015	-
14:24	0.007	0.008	14:24	0.016	0.015	-
14:25	0.007	0.007	14:25	0.015	0.015	-
14:26	0.005	0.007	14:26	0.015	0.015	-
14:27	0.005	0.007	14:27	0.016	0.015	-
14:28	0.007	0.007	14:28	0.016	0.015	-
14:29	0.007	0.007	14:29	0.016	0.015	-
14:30	0.007	0.007	14:30	0.015	0.015	-
14:31	0.006	0.007	14:31	0.016	0.015	-
14:32	0.009	0.007	14:32	0.016	0.015	-
14:33	0.008	0.007	14:33	0.016	0.015	-
14:34	0.007	0.007	14:34	0.016	0.016	-
14:35	0.010	0.007	14:35	0.016	0.016	-
14:36	0.021	0.008	14:36	0.015	0.016	-
14:37	0.007	0.008	14:37	0.016	0.016	-
14:38	0.006	0.008	14:38	0.015	0.016	-
14:39	0.007	0.008	14:39	0.015	0.016	-
14:40	0.007	0.008	14:40	0.016	0.016	-
14:41	0.007	0.008	14:41	0.015	0.016	-
14:42	0.010	0.008	14:42	0.016	0.016	-
14:43	0.008	0.008	14:43	0.019	0.016	-
14:44	0.011	0.009	14:44	0.017	0.016	-
14:45	0.007	0.009	14:45	0.016	0.016	-
14:46	0.008	0.009	14:46	0.015	0.016	-
14:47	0.008	0.009	14:47	0.015	0.016	-
14:48	0.009	0.009	14:48	0.018	0.016	-
14:49	0.008	0.009	14:49	0.016	0.016	-
14:50	0.009	0.009	14:50	0.017	0.016	-
14:51	0.012	0.008	14:51	0.015	0.016	-
14:52	0.009	0.008	14:52	0.015	0.016	-
14:53	0.007	0.008	14:53	0.016	0.016	-
14:54	0.006	0.008	14:54	0.016	0.016	-
14:55	0.008	0.008	14:55	0.016	0.016	-
14:56	0.008	0.009	14:56	0.015	0.016	-
14:57	0.007	0.008	14:57	0.016	0.016	-
14:58	0.009	0.008	14:58	0.016	0.016	-
14:59	0.006	0.008	14:59	0.016	0.016	-
15:00	0.007	0.008	15:00	0.016	0.016	-
15:01	0.010	0.008	15:01	0.016	0.016	-
15:02	0.009	0.008	15:02	0.017	0.016	-
15:03	0.014	0.009	15:03	0.018	0.016	-
15:04	0.011	0.009	15:04	0.017	0.016	-
15:05	0.009	0.009	15:05	0.016	0.016	-
15:06	0.009	0.009	15:06	0.016	0.016	-
15:07	0.006	0.008	15:07	0.016	0.016	-
15:08	0.007	0.008	15:08	0.015	0.016	-
15:09	0.006	0.008	15:09	0.016	0.016	-
15:10	0.007	0.008	15:10	0.016	0.016	-
15:11	0.008	0.008	15:11	0.016	0.016	-
15:12	0.010	0.009	15:12	0.016	0.016	-
15:13	0.006	0.008	15:13	0.017	0.016	-
15:14	0.011	0.009	15:14	0.017	0.016	-
15:15	0.006	0.009	15:15	0.016	0.016	-
15:16	0.005	0.008	15:16	0.016	0.016	-

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	
15:17	0.005	0.008	15:17	0.016	0.016	-
15:18	0.006	0.007	15:18	0.017	0.016	-
15:19	0.006	0.007	15:19	0.017	0.016	-
15:20	0.007	0.007	15:20	0.016	0.016	-
15:21	0.008	0.007	15:21	0.016	0.016	-
15:22	0.006	0.007	15:22	0.016	0.016	-
15:23	0.006	0.007	15:23	0.017	0.016	-
15:24	0.009	0.007	15:24	0.017	0.016	-
15:25	0.007	0.007	15:25	0.017	0.016	-
15:26	0.006	0.007	15:26	0.017	0.017	-
15:27	0.005	0.007	15:27	0.017	0.017	-
15:28	0.006	0.007	15:28	0.017	0.017	-
15:29	0.005	0.006	15:29	0.017	0.017	-
15:30	0.006	0.006	15:30	0.017	0.017	-
15:31	0.005	0.006	15:31	0.017	0.017	-
15:32	0.005	0.006	15:32	0.021	0.017	-
15:33	0.008	0.006	15:33	0.017	0.017	-
15:34	0.005	0.006	15:34	0.017	0.017	-
15:35	0.006	0.006	15:35	0.018	0.017	-
15:36	0.007	0.006				

March 4, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						474
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:36			7:36	0.1		
7:37	0.0		7:37	0.2		
7:38	0.0		7:38	0.2		
7:39	0.0		7:39	0.2		
7:40	0.0		7:40	0.3		
7:41	0.0		7:41	0.3		
7:42	0.0		7:42	0.3		
7:43	0.0		7:43	0.2		
7:44	0.0		7:44	0.2		
7:45	0.0		7:45	0.2		
7:46	0.0		7:46	0.2		
7:47	0.0		7:47	0.3		
7:48	0.0		7:48	0.3		
7:49	0.0		7:49	0.3		
7:50	0.0		7:50	0.3	0.2	
7:51	0.0	0.0	7:51	0.3	0.3	-
7:52	0.0	0.0	7:52	0.3	0.3	-
7:53	0.0	0.0	7:53	0.4	0.3	-
7:54	0.0	0.0	7:54	0.3	0.3	-
7:55	0.0	0.0	7:55	0.3	0.3	-
7:56	0.0	0.0	7:56	0.4	0.3	-
7:57	0.0	0.0	7:57	0.3	0.3	-
7:58	0.0	0.0	7:58	0.3	0.3	-
7:59	0.0	0.0	7:59	0.3	0.3	-
8:00	0.0	0.0	8:00	0.3	0.3	-
8:01	0.0	0.0	8:01	0.3	0.3	-
8:02	0.0	0.0	8:02	0.3	0.3	-
8:03	0.0	0.0	8:03	0.3	0.3	-
8:04	0.0	0.0	8:04	0.4	0.3	-
8:05	0.0	0.0	8:05	0.3	0.3	-
8:06	0.0	0.0	8:06	0.3	0.3	-
8:07	0.0	0.0	8:07	0.4	0.3	-
8:08	0.0	0.0	8:08	0.4	0.3	-
8:09	0.0	0.0	8:09	0.4	0.3	-
8:10	0.0	0.0	8:10	0.4	0.3	-
8:11	0.0	0.0	8:11	0.4	0.3	-
8:12	0.0	0.0	8:12	0.4	0.3	-
8:13	0.0	0.0	8:13	0.4	0.4	-
8:14	0.0	0.0	8:14	0.4	0.4	-
8:15	0.0	0.0	8:15	0.4	0.4	-
8:16	0.0	0.0	8:16	0.4	0.4	-
8:17	0.0	0.0	8:17	0.4	0.4	-
8:18	0.0	0.0	8:18	0.4	0.4	-
8:19	0.0	0.0	8:19	0.4	0.4	-
8:20	0.0	0.0	8:20	0.4	0.4	-
8:21	0.0	0.0	8:21	0.4	0.4	-
8:22	0.0	0.0	8:22	0.5	0.4	-
8:23	0.0	0.0	8:23	0.5	0.4	-
8:24	0.0	0.0	8:24	0.4	0.4	-
8:25	0.0	0.0	8:25	0.4	0.4	-
8:26	0.0	0.0	8:26	0.5	0.4	-
8:27	0.0	0.0	8:27	0.5	0.4	-
8:28	0.0	0.0	8:28	0.4	0.4	-
8:29	0.0	0.0	8:29	0.4	0.4	-
8:30	0.0	0.0	8:30	0.5	0.4	-
8:31	0.0	0.0	8:31	0.5	0.4	-
8:32	0.0	0.0	8:32	0.5	0.4	-
8:33	0.0	0.0	8:33	0.5	0.5	-
8:34	0.0	0.0	8:34	0.5	0.5	-
8:35	0.0	0.0	8:35	0.5	0.5	-
8:36	0.0	0.0	8:36	0.5	0.5	-
8:37	0.0	0.0	8:37	0.5	0.5	-
8:38	0.0	0.0	8:38	0.5	0.5	-
8:39	0.0	0.0	8:39	0.5	0.5	-
8:40	0.0	0.0	8:40	0.5	0.5	-
8:41	0.0	0.0	8:41	0.5	0.5	-
8:42	0.0	0.0	8:42	0.6	0.5	-
8:43	0.0	0.0	8:43	0.6	0.5	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:44	0.0	0.0	8:44	0.6	0.5	-
8:45	0.0	0.0	8:45	0.6	0.5	-
8:46	0.0	0.0	8:46	0.6	0.5	-
8:47	0.0	0.0	8:47	0.6	0.5	-
8:48	0.0	0.0	8:48	0.6	0.5	-
8:49	0.0	0.0	8:49	0.6	0.6	-
8:50	0.0	0.0	8:50	0.6	0.6	-
8:53	0.0	0.0	8:53	0.7	0.6	-
8:54	0.0	0.0	8:54	0.7	0.6	-
8:55	0.0	0.0	8:55	0.7	0.6	-
8:56	0.0	0.0	8:56	0.7	0.6	-
8:57	0.0	0.0	8:57	0.7	0.6	-
8:58	0.0	0.0	8:58	0.7	0.6	-
8:59	0.0	0.0	8:59	0.7	0.7	-
9:00	0.0	0.0	9:00	0.7	0.7	-
9:01	0.0	0.0	9:01	0.7	0.7	-
9:02	0.0	0.0	9:02	0.7	0.7	-
9:03	0.0	0.0	9:03	0.7	0.7	-
9:04	0.0	0.0	9:04	0.7	0.7	-
9:05	0.0	0.0	9:05	0.8	0.7	-
9:06	0.0	0.0	9:06	0.8	0.7	-
9:07	0.0	0.0	9:07	0.7	0.7	-
9:08	0.0	0.0	9:08	0.8	0.7	-
9:09	0.0	0.0	9:09	0.8	0.7	-
9:10	0.0	0.0	9:10	0.8	0.7	-
9:11	0.0	0.0	9:11	0.8	0.7	-
9:12	0.0	0.0	9:12	0.8	0.7	-
9:13	0.0	0.0	9:13	0.8	0.8	-
9:14	0.0	0.0	9:14	0.8	0.8	-
9:15	0.0	0.0	9:15	0.8	0.8	-
9:16	0.0	0.0	9:16	0.8	0.8	-
9:17	0.0	0.0	9:17	0.9	0.8	-
9:18	0.0	0.0	9:18	0.9	0.8	-
9:19	0.0	0.0	9:19	0.9	0.8	-
9:20	0.0	0.0	9:20	0.9	0.8	-
9:21	0.0	0.0	9:21	0.9	0.8	-
9:22	0.0	0.0	9:22	0.9	0.8	-
9:23	0.0	0.0	9:23	0.9	0.8	-
9:24	0.0	0.0	9:24	0.9	0.9	-
9:25	0.0	0.0	9:25	0.9	0.9	-
9:26	0.0	0.0	9:26	0.9	0.9	-
9:27	0.0	0.0	9:27	0.9	0.9	-
9:28	0.0	0.0	9:28	0.9	0.9	-
9:29	0.1	0.0	9:29	0.9	0.9	-
9:30	0.0	0.0	9:30	0.9	0.9	-
9:31	0.0	0.0	9:31	0.9	0.9	-
9:32	0.0	0.0	9:32	0.9	0.9	-
9:33	0.0	0.0	9:33	0.9	0.9	-
9:34	0.0	0.0	9:34	0.9	0.9	-
9:35	0.0	0.0	9:35	1.0	0.9	-
9:36	0.1	0.0	9:36	1.0	0.9	-
9:37	0.1	0.0	9:37	1.0	0.9	-
9:38	0.1	0.0	9:38	1.0	0.9	-
9:39	0.1	0.0	9:39	1.0	0.9	-
9:40	0.1	0.0	9:40	0.9	0.9	-
9:41	0.1	0.0	9:41	0.9	0.9	-
9:42	0.0	0.0	9:42	0.9	0.9	-
9:43	0.0	0.0	9:43	0.9	0.9	-
9:44	0.0	0.0	9:44	0.9	0.9	-
9:45	0.0	0.0	9:45	0.9	0.9	-
9:46	0.1	0.0	9:46	1.0	0.9	-
9:47	0.1	0.1	9:47	1.0	0.9	-
9:48	0.1	0.1	9:48	1.0	1.0	-
9:49	0.1	0.1	9:49	1.0	1.0	-
9:50	0.1	0.1	9:50	1.0	1.0	-
9:51	0.1	0.1	9:51	0.9	1.0	-
9:52	0.1	0.1	9:52	0.9	0.9	-
9:53	0.1	0.1	9:53	0.9	0.9	-
9:54	0.1	0.1	9:54	0.9	0.9	-
9:55	0.1	0.1	9:55	0.9	0.9	-
9:56	0.0	0.1	9:56	0.9	0.9	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:57	0.1	0.1	9:57	0.9	0.9	-
9:58	0.0	0.1	9:58	0.9	0.9	-
9:59	0.0	0.1	9:59	0.9	0.9	-
10:00	0.1	0.1	10:00	0.9	0.9	-
10:01	0.1	0.1	10:01	0.9	0.9	-
10:02	0.1	0.1	10:02	0.9	0.9	-
10:03	0.1	0.1	10:03	0.9	0.9	-
10:04	0.1	0.1	10:04	0.9	0.9	-
10:05	0.0	0.1	10:05	0.9	0.9	-
10:06	0.1	0.1	10:06	0.9	0.9	-
10:07	0.1	0.1	10:07	0.8	0.9	-
10:08	0.0	0.1	10:08	0.9	0.9	-
10:09	0.0	0.1	10:09	0.8	0.9	-
10:10	0.0	0.1	10:10	0.9	0.9	-
10:11	0.1	0.1	10:11	0.9	0.9	-
10:12	0.0	0.1	10:12	0.9	0.9	-
10:13	0.1	0.1	10:13	0.9	0.9	-
10:14	0.1	0.1	10:14	0.9	0.9	-
10:15	0.1	0.1	10:15	0.9	0.9	-
10:16	0.1	0.1	10:16	0.9	0.9	-
10:17	0.1	0.1	10:17	0.9	0.9	-
10:18	0.1	0.1	10:18	0.9	0.9	-
10:19	0.1	0.1	10:19	0.9	0.9	-
10:20	0.1	0.1	10:20	0.9	0.9	-
10:21	0.1	0.1	10:21	0.9	0.9	-
10:22	0.1	0.1	10:22	0.9	0.9	-
10:23	0.1	0.1	10:23	0.9	0.9	-
10:24	0.1	0.1	10:24	1.0	0.9	-
10:25	0.1	0.1	10:25	0.9	0.9	-
10:26	0.1	0.1	10:26	0.9	0.9	-
10:27	0.1	0.1	10:27	0.9	0.9	-
10:28	0.1	0.1	10:28	0.9	0.9	-
10:29	0.1	0.1	10:29	0.9	0.9	-
10:30	0.1	0.1	10:30	0.9	0.9	-
10:31	0.1	0.1	10:31	0.9	0.9	-
10:32	0.1	0.1	10:32	0.8	0.9	-
10:33	0.1	0.1	10:33	0.9	0.9	-
10:34	0.1	0.1	10:34	0.8	0.9	-
10:35	0.1	0.1	10:35	0.9	0.9	-
10:36	0.1	0.1	10:36	0.8	0.9	-
10:37	0.1	0.1	10:37	0.8	0.9	-
10:38	0.1	0.1	10:38	0.8	0.9	-
10:39	0.1	0.1	10:39	0.8	0.9	-
10:40	0.1	0.1	10:40	0.8	0.9	-
10:41	0.1	0.1	10:41	0.8	0.8	-
10:42	0.1	0.1	10:42	0.8	0.8	-
10:43	0.1	0.1	10:43	0.8	0.8	-
10:44	0.1	0.1	10:44	0.8	0.8	-
10:45	0.1	0.1	10:45	0.8	0.8	-
10:46	0.1	0.1	10:46	0.8	0.8	-
10:47	0.1	0.1	10:47	0.8	0.8	-
10:48	0.1	0.1	10:48	0.7	0.8	-
10:49	0.1	0.1	10:49	0.8	0.8	-
10:50	0.1	0.1	10:50	0.7	0.8	-
10:51	0.1	0.1	10:51	0.7	0.8	-
10:52	0.1	0.1	10:52	0.7	0.8	-
10:53	0.1	0.1	10:53	0.7	0.8	-
10:54	0.1	0.1	10:54	0.7	0.8	-
10:55	0.1	0.1	10:55	0.7	0.8	-
10:56	0.1	0.1	10:56	0.7	0.7	-
10:57	0.1	0.1	10:57	0.7	0.7	-
10:58	0.1	0.1	10:58	0.7	0.7	-
10:59	0.1	0.1	10:59	0.7	0.7	-
11:00	0.1	0.1	11:00	0.7	0.7	-
11:01	0.1	0.1	11:01	0.7	0.7	-
11:02	0.1	0.1	11:02	0.7	0.7	-
11:03	0.1	0.1	11:03	0.7	0.7	-
11:04	0.1	0.1	11:04	0.7	0.7	-
11:05	0.1	0.1	11:05	0.7	0.7	-
11:06	0.1	0.1	11:06	0.7	0.7	-
11:07	0.1	0.1	11:07	0.7	0.7	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:08	0.1	0.1	11:08	0.8	0.7	-
11:09	0.1	0.1	11:09	0.7	0.7	-
11:10	0.1	0.1	11:10	0.7	0.7	-
11:11	0.1	0.1	11:11	0.7	0.7	-
11:12	0.1	0.1	11:12	0.8	0.7	-
11:13	0.1	0.1	11:13	0.7	0.7	-
11:14	0.1	0.1	11:14	0.7	0.7	-
11:15	0.1	0.1	11:15	0.7	0.7	-
11:16	0.1	0.1	11:16	0.7	0.7	-
11:17	0.1	0.1	11:17	0.7	0.7	-
11:18	0.1	0.1	11:18	0.7	0.7	-
11:19	0.1	0.1	11:19	0.7	0.7	-
11:20	0.1	0.1	11:20	0.7	0.7	-
11:21	0.1	0.1	11:21	0.7	0.7	-
11:22	0.1	0.1	11:22	0.7	0.7	-
11:23	0.1	0.1	11:23	0.7	0.7	-
11:24	0.1	0.1	11:24	0.7	0.7	-
11:25	0.1	0.1	11:25	0.7	0.7	-
11:26	0.1	0.1	11:26	0.8	0.7	-
11:27	0.1	0.1	11:27	0.8	0.7	-
11:28	0.1	0.1	11:28	0.7	0.7	-
11:29	0.1	0.1	11:29	0.7	0.7	-
11:30	0.1	0.1	11:30	0.8	0.7	-
11:31	0.1	0.1	11:31	0.8	0.7	-
11:32	0.1	0.1	11:32	0.8	0.7	-
11:33	0.1	0.1	11:33	0.8	0.7	-
11:34	0.1	0.1	11:34	0.8	0.7	-
11:35	0.1	0.1	11:35	0.8	0.8	-
11:36	0.1	0.1	11:36	0.8	0.8	-
11:37	0.1	0.1	11:37	0.8	0.8	-
11:38	0.1	0.1	11:38	0.8	0.8	-
11:39	0.1	0.1	11:39	0.9	0.8	-
11:40	0.1	0.1	11:40	0.9	0.8	-
11:41	0.1	0.1	11:41	0.8	0.8	-
11:42	0.1	0.1	11:42	0.8	0.8	-
11:43	0.1	0.1	11:43	0.8	0.8	-
11:44	0.1	0.1	11:44	0.8	0.8	-
11:45	0.1	0.1	11:45	0.8	0.8	-
11:46	0.1	0.1	11:46	0.8	0.8	-
11:47	0.1	0.1	11:47	0.8	0.8	-
11:48	0.1	0.1	11:48	0.8	0.8	-
11:49	0.1	0.1	11:49	0.8	0.8	-
11:50	0.1	0.1	11:50	0.8	0.8	-
11:51	0.1	0.1	11:51	0.8	0.8	-
11:52	0.1	0.1	11:52	0.8	0.8	-
11:53	0.1	0.1	11:53	0.8	0.8	-
11:54	0.1	0.1	11:54	0.8	0.8	-
11:55	0.1	0.1	11:55	0.8	0.8	-
11:56	0.1	0.1	11:56	0.7	0.8	-
11:57	0.1	0.1	11:57	0.8	0.8	-
11:58	0.1	0.1	11:58	0.8	0.8	-
11:59	0.1	0.1	11:59	0.7	0.8	-
12:00	0.1	0.1	12:00	0.7	0.8	-
12:01	0.1	0.1	12:01	0.7	0.8	-
12:02	0.1	0.1	12:02	0.7	0.8	-
12:03	0.1	0.1	12:03	0.7	0.8	-
12:04	0.1	0.1	12:04	0.7	0.8	-
12:05	0.1	0.1	12:05	0.7	0.7	-
12:06	0.1	0.1	12:06	0.7	0.7	-
12:07	0.1	0.1	12:07	0.7	0.7	-
12:08	0.1	0.1	12:08	0.7	0.7	-
12:09	0.1	0.1	12:09	0.7	0.7	-
12:10	0.1	0.1	12:10	0.7	0.7	-
12:11	0.1	0.1	12:11	0.7	0.7	-
12:12	0.1	0.1	12:12	0.7	0.7	-
12:13	0.1	0.1	12:13	0.7	0.7	-
12:14	0.1	0.1	12:14	0.7	0.7	-
12:15	0.1	0.1	12:15	0.7	0.7	-
12:16	0.1	0.1	12:16	0.7	0.7	-
12:17	0.1	0.1	12:17	0.7	0.7	-
12:18	0.1	0.1	12:18	0.7	0.7	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:19	0.1	0.1	12:19	0.7	0.7	-
12:20	0.1	0.1	12:20	0.7	0.7	-
12:21	0.1	0.1	12:21	0.7	0.7	-
12:22	0.1	0.1	12:22	0.7	0.7	-
12:23	0.1	0.1	12:23	0.7	0.7	-
12:24	0.1	0.1	12:24	0.7	0.7	-
12:25	0.1	0.1	12:25	0.7	0.7	-
12:26	0.1	0.1	12:26	0.8	0.7	-
12:27	0.1	0.1	12:27	0.7	0.7	-
12:28	0.1	0.1	12:28	0.8	0.7	-
12:29	0.1	0.1	12:29	0.7	0.7	-
12:30	0.1	0.1	12:30	0.7	0.7	-
12:31	0.1	0.1	12:31	0.7	0.7	-
12:32	0.1	0.1	12:32	0.7	0.7	-
12:33	0.1	0.1	12:33	0.8	0.7	-
12:34	0.1	0.1	12:34	0.8	0.7	-
12:35	0.1	0.1	12:35	0.8	0.7	-
12:36	0.1	0.1	12:36	0.7	0.7	-
12:37	0.1	0.1	12:37	0.7	0.7	-
12:38	0.1	0.1	12:38	0.8	0.7	-
12:39	0.1	0.1	12:39	0.8	0.7	-
12:40	0.1	0.1	12:40	0.8	0.8	-
12:41	0.1	0.1	12:41	0.8	0.8	-
12:42	0.1	0.1	12:42	0.7	0.8	-
12:43	0.1	0.1	12:43	0.8	0.8	-
12:44	0.1	0.1	12:44	0.7	0.8	-
12:45	0.1	0.1	12:45	0.8	0.8	-
12:46	0.1	0.1	12:46	0.8	0.8	-
12:47	0.1	0.1	12:47	0.7	0.8	-
12:48	0.1	0.1	12:48	0.7	0.8	-
12:49	0.1	0.1	12:49	0.7	0.8	-
12:50	0.1	0.1	12:50	0.7	0.7	-
12:51	0.1	0.1	12:51	0.7	0.7	-
12:52	0.1	0.1	12:52	0.7	0.7	-
12:53	0.1	0.1	12:53	0.7	0.7	-
12:54	0.1	0.1	12:54	0.7	0.7	-
12:55	0.1	0.1	12:55	0.7	0.7	-
12:56	0.1	0.1	12:56	0.7	0.7	-
12:57	0.1	0.1	12:57	0.7	0.7	-
12:58	0.1	0.1	12:58	0.7	0.7	-
12:59	0.1	0.1	12:59	0.7	0.7	-
13:00	0.1	0.1	13:00	0.7	0.7	-
13:01	0.1	0.1	13:01	0.7	0.7	-
13:02	0.1	0.1	13:02	0.7	0.7	-
13:03	0.1	0.1	13:03	0.7	0.7	-
13:04	0.1	0.1	13:04	0.7	0.7	-
13:05	0.1	0.1	13:05	0.7	0.7	-
13:06	0.1	0.1	13:06	0.7	0.7	-
13:07	0.1	0.1	13:07	0.7	0.7	-
13:08	0.1	0.1	13:08	0.7	0.7	-
13:09	0.1	0.1	13:09	0.7	0.7	-
13:10	0.1	0.1	13:10	0.7	0.7	-
13:11	0.1	0.1	13:11	0.7	0.7	-
13:12	0.1	0.1	13:12	0.7	0.7	-
13:13	0.1	0.1	13:13	0.7	0.7	-
13:14	0.1	0.1	13:14	0.7	0.7	-
13:15	0.1	0.1	13:15	0.7	0.7	-
13:16	0.1	0.1	13:16	0.7	0.7	-
13:17	0.1	0.1	13:17	0.7	0.7	-
13:18	0.1	0.1	13:18	0.7	0.7	-
13:19	0.1	0.1	13:19	0.7	0.7	-
13:20	0.1	0.1	13:20	0.7	0.7	-
13:21	0.1	0.1	13:21	0.7	0.7	-
13:22	0.1	0.1	13:22	0.7	0.7	-
13:23	0.1	0.1	13:23	0.7	0.7	-
13:24	0.1	0.1	13:24	0.7	0.7	-
13:25	0.1	0.1	13:25	0.7	0.7	-
13:26	0.1	0.1	13:26	0.7	0.7	-
13:27	0.1	0.1	13:27	0.7	0.7	-
13:28	0.1	0.1	13:28	0.7	0.7	-
13:29	0.1	0.1	13:29	0.7	0.7	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:30	0.1	0.1	13:30	0.7	0.7	-
13:31	0.1	0.1	13:31	0.7	0.7	-
13:32	0.1	0.1	13:32	0.8	0.7	-
13:33	0.1	0.1	13:33	0.8	0.7	-
13:34	0.1	0.1	13:34	0.7	0.7	-
13:35	0.1	0.1	13:35	0.8	0.7	-
13:36	0.1	0.1	13:36	0.8	0.7	-
13:37	0.1	0.1	13:37	0.8	0.7	-
13:38	0.1	0.1	13:38	0.7	0.7	-
13:39	0.1	0.1	13:39	0.8	0.7	-
13:40	0.1	0.1	13:40	0.8	0.7	-
13:41	0.1	0.1	13:41	0.7	0.7	-
13:42	0.1	0.1	13:42	0.7	0.7	-
13:43	0.1	0.1	13:43	0.8	0.8	-
13:44	0.1	0.1	13:44	0.8	0.8	-
13:45	0.1	0.1	13:45	0.7	0.8	-
13:46	0.1	0.1	13:46	0.7	0.8	-
13:47	0.1	0.1	13:47	0.7	0.8	-
13:48	0.1	0.1	13:48	0.7	0.7	-
13:49	0.1	0.1	13:49	0.7	0.7	-
13:50	0.1	0.1	13:50	0.7	0.7	-
13:51	0.1	0.1	13:51	0.7	0.7	-
13:52	0.1	0.1	13:52	0.7	0.7	-
13:53	0.1	0.1	13:53	0.7	0.7	-
13:54	0.1	0.1	13:54	0.7	0.7	-
13:55	0.1	0.1	13:55	0.7	0.7	-
13:56	0.1	0.1	13:56	0.7	0.7	-
13:57	0.1	0.1	13:57	0.7	0.7	-
13:58	0.1	0.1	13:58	0.7	0.7	-
13:59	0.1	0.1	13:59	0.6	0.7	-
14:00	0.1	0.1	14:00	0.6	0.7	-
14:01	0.1	0.1	14:01	0.7	0.7	-
14:02	0.1	0.1	14:02	0.6	0.7	-
14:03	0.1	0.1	14:03	0.7	0.7	-
14:04	0.1	0.1	14:04	0.6	0.7	-
14:05	0.1	0.1	14:05	0.6	0.7	-
14:06	0.1	0.1	14:06	0.7	0.7	-
14:07	0.1	0.1	14:07	0.7	0.7	-
14:08	0.1	0.1	14:08	0.6	0.7	-
14:09	0.1	0.1	14:09	0.7	0.7	-
14:10	0.0	0.1	14:10	0.7	0.7	-
14:11	0.1	0.1	14:11	0.6	0.7	-
14:12	0.1	0.1	14:12	0.6	0.6	-
14:13	0.0	0.1	14:13	0.7	0.6	-
14:14	0.1	0.1	14:14	0.6	0.6	-
14:15	0.1	0.1	14:15	0.7	0.7	-
14:16	0.1	0.1	14:16	0.7	0.7	-
14:17	0.1	0.1	14:17	0.6	0.7	-
14:18	0.1	0.1	14:18	0.7	0.7	-
14:19	0.1	0.1	14:19	0.6	0.7	-
14:20	0.1	0.1	14:20	0.7	0.7	-
14:21	0.1	0.1	14:21	0.7	0.7	-
14:22	0.1	0.1	14:22	0.7	0.7	-
14:23	0.1	0.1	14:23	0.7	0.7	-
14:24	0.1	0.1	14:24	0.7	0.7	-
14:25	0.1	0.1	14:25	0.7	0.7	-
14:26	0.1	0.1	14:26	0.7	0.7	-
14:27	0.1	0.1	14:27	0.7	0.7	-
14:28	0.1	0.1	14:28	0.7	0.7	-
14:29	0.1	0.1	14:29	0.7	0.7	-
14:30	0.1	0.1	14:30	0.6	0.7	-
14:31	0.1	0.1	14:31	0.7	0.7	-
14:32	0.1	0.1	14:32	0.7	0.7	-
14:33	0.1	0.1	14:33	0.7	0.7	-
14:34	0.1	0.1	14:34	0.7	0.7	-
14:35	0.0	0.1	14:35	0.7	0.7	-
14:36	0.0	0.1	14:36	0.7	0.7	-
14:37	0.1	0.1	14:37	0.7	0.7	-
14:38	0.1	0.1	14:38	0.7	0.7	-
14:39	0.1	0.1	14:39	0.7	0.7	-
14:40	0.1	0.1	14:40	0.7	0.7	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:41	0.1	0.1	14:41	0.7	0.7	-
14:42	0.1	0.1	14:42	0.7	0.7	-
14:43	0.1	0.1	14:43	0.7	0.7	-
14:44	0.1	0.1	14:44	0.7	0.7	-
14:45	0.1	0.1	14:45	0.7	0.7	-
14:46	0.1	0.1	14:46	0.7	0.7	-
14:47	0.1	0.1	14:47	0.7	0.7	-
14:48	0.1	0.1	14:48	0.7	0.7	-
14:49	0.1	0.1	14:49	0.7	0.7	-
14:50	0.1	0.1	14:50	0.7	0.7	-
14:51	0.1	0.1	14:51	0.6	0.7	-
14:52	0.1	0.1	14:52	0.6	0.7	-
14:53	0.1	0.1	14:53	0.6	0.7	-
14:54	0.1	0.1	14:54	0.6	0.7	-
14:55	0.1	0.1	14:55	0.6	0.7	-
14:56	0.1	0.1	14:56	0.6	0.7	-
14:57	0.1	0.1	14:57	0.6	0.7	-
14:58	0.1	0.1	14:58	0.6	0.6	-
14:59	0.1	0.1	14:59	0.6	0.6	-
15:00	0.1	0.1	15:00	0.6	0.6	-
15:01	0.1	0.1	15:01	0.6	0.6	-
15:02	0.1	0.1	15:02	0.6	0.6	-
15:03	0.1	0.1	15:03	0.6	0.6	-
15:04	0.1	0.1	15:04	0.6	0.6	-
15:05	0.1	0.1	15:05	0.6	0.6	-
15:06	0.1	0.1	15:06	0.6	0.6	-
15:07	0.1	0.1	15:07	0.6	0.6	-
15:08	0.1	0.1	15:08	0.6	0.6	-
15:09	0.1	0.1	15:09	0.6	0.6	-
15:10	0.1	0.1	15:10	0.6	0.6	-
15:11	0.1	0.1	15:11	0.6	0.6	-
15:12	0.1	0.1	15:12	0.6	0.6	-
15:13	0.1	0.1	15:13	0.6	0.6	-
15:14	0.1	0.1	15:14	0.6	0.6	-
15:15	0.1	0.1	15:15	0.6	0.6	-
15:16	0.1	0.1	15:16	0.6	0.6	-
15:17	0.1	0.1	15:17	0.6	0.6	-
15:18	0.1	0.1	15:18	0.6	0.6	-
15:19	0.1	0.1	15:19	0.6	0.6	-
15:20	0.1	0.1	15:20	0.6	0.6	-
15:21	0.1	0.1	15:21	0.6	0.6	-
15:22	0.1	0.1	15:22	0.6	0.6	-
15:23	0.1	0.1	15:23	0.6	0.6	-
15:24	0.1	0.1	15:24	0.6	0.6	-
15:25	0.1	0.1	15:25	0.6	0.6	-
15:26	0.1	0.1	15:26	0.6	0.6	-
15:27	0.1	0.1	15:27	0.7	0.6	-
15:28	0.1	0.1	15:28	0.7	0.6	-
15:29	0.1	0.1	15:29	0.7	0.6	-
15:30	0.1	0.1	15:30	0.7	0.6	-
15:31	0.1	0.1	15:31	0.7	0.6	-
15:32	0.1	0.1	15:32	0.7	0.6	-
15:33	0.1	0.1	15:33	0.7	0.6	-
15:34	0.1	0.1	15:34	0.7	0.7	-
15:35	0.1	0.1	15:35	0.7	0.7	-
15:36	0.1	0.1	15:36	0.7	0.7	-
15:37	0.1	0.1	15:37	0.7	0.7	-
15:38	0.1	0.1	15:38	0.7	0.7	-
15:39	0.1	0.1	15:39	0.7	0.7	-
15:40	0.1	0.1	15:40	0.7	0.7	-
15:41	0.1	0.1	15:41	0.7	0.7	-
15:42	0.1	0.1	15:42	0.7	0.7	-
15:43	0.1	0.1	15:43	0.7	0.7	-
15:44	0.1	0.1	15:44	0.7	0.7	-
15:45	0.1	0.1	15:45			

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/5/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.002	0.012
Maximum 15min Average	0.003	0.018
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.001	0.010
Maximum 1min Reading	0.006	0.097

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.0
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.1

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.

March 5, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						373
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	
8:05			7:24	0.097		
8:06	0.007		7:25	0.010		
8:07	0.002		7:26	0.012		
8:08	0.002		7:27	0.012		
8:09	0.001		7:28	0.011		
8:10	0.002		7:29	0.011		
8:11	0.002		7:30	0.012		
8:12	0.003		7:31	0.013		
8:13	0.003		7:32	0.014		
8:14	0.003		7:33	0.012		
8:15	0.002		7:34	0.012		
8:16	0.002		7:35	0.012		
8:17	0.002		7:36	0.012		
8:18	0.002		7:37	0.012		
8:19	0.002		7:38	0.013	0.018	
8:20	0.002	0.002	7:39	0.013	0.012	-
8:21	0.001	0.002	7:40	0.012	0.012	-
8:22	0.002	0.002	7:41	0.013	0.012	-
8:23	0.002	0.002	7:42	0.014	0.012	-
8:24	0.006	0.002	7:43	0.014	0.013	-
8:25	0.004	0.003	7:44	0.017	0.013	-
8:26	0.002	0.003	7:45	0.015	0.013	-
8:27	0.002	0.002	7:46	0.014	0.013	-
8:28	0.002	0.002	7:47	0.014	0.013	-
8:29	0.003	0.002	7:48	0.015	0.013	-
8:30	0.002	0.002	7:49	0.015	0.014	-
8:31	0.002	0.002	7:50	0.015	0.014	-
8:32	0.002	0.002	7:51	0.015	0.014	-
8:33	0.002	0.002	7:52	0.015	0.014	-
8:34	0.002	0.002	7:53	0.015	0.014	-
8:35	0.003	0.002	7:54	0.016	0.015	-
8:36	0.004	0.003	7:55	0.017	0.015	-
8:37	0.003	0.003	7:56	0.016	0.015	-
8:38	0.003	0.003	7:57	0.018	0.015	-
8:39	0.002	0.003	7:58	0.016	0.016	-
8:40	0.002	0.002	7:59	0.015	0.015	-
8:41	0.002	0.002	8:00	0.015	0.015	-
8:42	0.003	0.002	8:01	0.016	0.016	-
8:43	0.004	0.003	8:02	0.016	0.016	-
8:44	0.003	0.003	8:03	0.017	0.016	-
8:45	0.002	0.003	8:04	0.016	0.016	-
8:46	0.003	0.003	8:05	0.016	0.016	-
8:47	0.004	0.003	8:06	0.016	0.016	-
8:48	0.002	0.003	8:07	0.017	0.016	-
8:49	0.003	0.003	8:08	0.017	0.016	-
8:50	0.005	0.003	8:09	0.018	0.016	-
8:51	0.003	0.003	8:10	0.018	0.016	-
8:52	0.003	0.003	8:11	0.017	0.017	-
8:53	0.002	0.003	8:12	0.017	0.016	-
8:54	0.002	0.003	8:13	0.017	0.017	-
8:55	0.001	0.003	8:14	0.016	0.017	-
8:56	0.001	0.003	8:15	0.016	0.017	-
8:57	0.002	0.003	8:16	0.016	0.017	-
8:58	0.002	0.003	8:17	0.017	0.017	-
8:59	0.002	0.002	8:18	0.016	0.017	-
9:00	0.002	0.002	8:19	0.017	0.017	-
9:01	0.004	0.003	8:20	0.018	0.017	-
9:02	0.003	0.002	8:21	0.027	0.018	-
9:03	0.003	0.003	8:22	0.018	0.018	-
9:04	0.002	0.002	8:23	0.017	0.018	-
9:05	0.002	0.002	8:24	0.017	0.018	-
9:06	0.001	0.002	8:25	0.016	0.017	-
9:07	0.001	0.002	8:26	0.016	0.017	-
9:08	0.002	0.002	8:27	0.017	0.017	-
9:09	0.004	0.002	8:28	0.018	0.017	-

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	
9:10	0.006	0.002	8:29	0.018	0.018	-
9:11	0.004	0.003	8:30	0.019	0.018	-
9:12	0.007	0.003	8:31	0.019	0.018	-
9:13	0.004	0.003	8:32	0.019	0.018	-
9:14	0.004	0.003	8:33	0.018	0.018	-
9:15	0.003	0.003	8:34	0.017	0.018	-
9:16	0.003	0.003	8:35	0.021	0.018	-
9:17	0.004	0.003	8:36	0.027	0.018	-
9:18	0.011	0.004	8:37	0.034	0.020	-
9:19	0.008	0.004	8:38	0.021	0.020	-
9:20	0.005	0.004	8:39	0.019	0.020	-
9:21	0.006	0.005	8:40	0.039	0.021	-
9:22	0.008	0.005	8:41	0.024	0.022	-
9:23	0.005	0.005	8:42	0.022	0.022	-
9:24	0.006	0.006	8:43	0.018	0.022	-
9:25	0.008	0.006	8:44	0.020	0.022	-
9:26	0.007	0.006	8:45	0.022	0.023	-
9:27	0.004	0.006	8:46	0.020	0.023	-
9:28	0.002	0.006	8:47	0.017	0.023	-
9:29	0.002	0.005	8:48	0.017	0.023	-
9:30	0.003	0.005	8:49	0.016	0.022	-
9:31	0.002	0.005	8:50	0.017	0.022	-
9:32	0.001	0.005	8:51	0.017	0.022	-
9:33	0.004	0.005	8:52	0.017	0.020	-
9:34	0.003	0.004	8:53	0.018	0.020	-
9:35	0.004	0.004	8:54	0.018	0.020	-
9:36	0.002	0.004	8:55	0.017	0.019	-
9:37	0.001	0.004	8:56	0.017	0.018	-
9:38	0.002	0.003	8:57	0.017	0.018	-
9:39	0.002	0.003	8:58	0.017	0.018	-
9:40	0.001	0.003	8:59	0.017	0.018	-
9:41	0.002	0.002	9:00	0.017	0.017	-
9:42	0.002	0.002	9:01	0.019	0.017	-
9:43	0.003	0.002	9:02	0.018	0.017	-
9:44	0.003	0.002	9:03	0.019	0.017	-
9:45	0.002	0.002	9:04	0.018	0.018	-
9:46	0.002	0.002	9:05	0.017	0.018	-
9:47	0.001	0.002	9:06	0.017	0.018	-
9:48	0.002	0.002	9:07	0.017	0.018	-
9:49	0.001	0.002	9:08	0.016	0.017	-
9:50	0.001	0.002	9:09	0.016	0.017	-
9:51	0.001	0.002	9:10	0.017	0.017	-
9:52	0.001	0.002	9:11	0.016	0.017	-
9:53	0.001	0.002	9:12	0.016	0.017	-
9:54	0.002	0.002	9:13	0.016	0.017	-
9:55	0.001	0.002	9:14	0.017	0.017	-
9:56	0.001	0.002	9:15	0.016	0.017	-
9:57	0.002	0.002	9:16	0.016	0.017	-
9:58	0.002	0.002	9:17	0.017	0.017	-
9:59	0.002	0.001	9:18	0.016	0.017	-
10:00	0.001	0.001	9:19	0.016	0.016	-
10:01	0.002	0.001	9:20	0.018	0.016	-
10:02	0.001	0.001	9:21	0.017	0.016	-
10:03	0.001	0.001	9:22	0.016	0.016	-
10:04	0.002	0.001	9:23	0.016	0.016	-
10:05	0.001	0.001	9:24	0.016	0.016	-
10:06	0.003	0.002	9:25	0.017	0.016	-
10:07	0.001	0.002	9:26	0.017	0.016	-
10:08	0.001	0.002	9:27	0.016	0.016	-
10:09	0.001	0.001	9:28	0.017	0.017	-
10:10	0.002	0.002	9:29	0.016	0.016	-
10:11	0.002	0.002	9:30	0.016	0.016	-
10:12	0.001	0.002	9:31	0.017	0.017	-
10:13	0.002	0.002	9:32	0.017	0.017	-
10:14	0.001	0.001	9:33	0.017	0.017	-
10:15	0.002	0.002	9:34	0.017	0.017	-
10:16	0.001	0.001	9:35	0.017	0.017	-
10:17	0.002	0.002	9:36	0.017	0.017	-

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	
10:18	0.001	0.002	9:37	0.017	0.017	-
10:19	0.002	0.002	9:38	0.017	0.017	-
10:20	0.003	0.002	9:39	0.018	0.017	-
10:21	0.003	0.002	9:40	0.018	0.017	-
10:22	0.006	0.002	9:41	0.017	0.017	-
10:23	0.005	0.002	9:42	0.017	0.017	-
10:24	0.002	0.002	9:43	0.017	0.017	-
10:25	0.004	0.002	9:44	0.017	0.017	-
10:26	0.002	0.002	9:45	0.017	0.017	-
10:27	0.002	0.003	9:46	0.017	0.017	-
10:28	0.004	0.003	9:47	0.016	0.017	-
10:29	0.002	0.003	9:48	0.016	0.017	-
10:30	0.003	0.003	9:49	0.016	0.017	-
10:31	0.003	0.003	9:50	0.017	0.017	-
10:32	0.003	0.003	9:51	0.017	0.017	-
10:33	0.003	0.003	9:52	0.016	0.017	-
10:34	0.002	0.003	9:53	0.016	0.017	-
10:35	0.001	0.003	9:54	0.017	0.017	-
10:36	0.002	0.003	9:55	0.016	0.017	-
10:37	0.002	0.003	9:56	0.016	0.017	-
10:38	0.002	0.002	9:57	0.016	0.016	-
10:39	0.002	0.002	9:58	0.017	0.016	-
10:40	0.003	0.002	9:59	0.016	0.016	-
10:41	0.004	0.003	10:00	0.016	0.016	-
10:42	0.002	0.003	10:01	0.017	0.016	-
10:43	0.002	0.002	10:02	0.017	0.016	-
10:44	0.003	0.002	10:03	0.016	0.016	-
10:45	0.002	0.002	10:04	0.016	0.016	-
10:46	0.003	0.002	10:05	0.016	0.016	-
10:47	0.002	0.002	10:06	0.015	0.016	-
10:48	0.006	0.003	10:07	0.016	0.016	-
10:49	0.002	0.003	10:08	0.018	0.016	-
10:50	0.002	0.003	10:09	0.017	0.016	-
10:51	0.003	0.003	10:10	0.016	0.016	-
10:52	0.001	0.003	10:11	0.015	0.016	-
10:53	0.002	0.003	10:12	0.016	0.016	-
10:54	0.004	0.003	10:13	0.017	0.016	-
10:55	0.005	0.003	10:14	0.018	0.016	-
10:56	0.004	0.003	10:15	0.019	0.017	-
10:57	0.005	0.003	10:16	0.018	0.017	-
10:58	0.002	0.003	10:17	0.016	0.017	-
10:59	0.002	0.003	10:18	0.015	0.017	-
11:00	0.002	0.003	10:19	0.015	0.016	-
11:01	0.001	0.003	10:20	0.014	0.016	-
11:02	0.004	0.003	10:21	0.017	0.016	-
11:03	0.003	0.003	10:22	0.016	0.016	-
11:04	0.002	0.003	10:23	0.015	0.016	-
11:05	0.002	0.003	10:24	0.014	0.016	-
11:06	0.003	0.003	10:25	0.015	0.016	-
11:07	0.002	0.003	10:26	0.015	0.016	-
11:08	0.003	0.003	10:27	0.015	0.016	-
11:09	0.007	0.003	10:28	0.018	0.016	-
11:10	0.006	0.003	10:29	0.019	0.016	-
11:11	0.004	0.003	10:30	0.017	0.016	-
11:12	0.002	0.003	10:31	0.014	0.016	-
11:13	0.001	0.003	10:32	0.013	0.015	-
11:14	0.001	0.003	10:33	0.013	0.015	-
11:15	0.002	0.003	10:34	0.013	0.015	-
11:16	0.001	0.003	10:35	0.014	0.015	-
11:17	0.002	0.003	10:36	0.014	0.015	-
11:18	0.003	0.003	10:37	0.014	0.015	-
11:19	0.002	0.003	10:38	0.014	0.015	-
11:20	0.003	0.003	10:39	0.014	0.015	-
11:21	0.002	0.003	10:40	0.014	0.015	-
11:22	0.001	0.003	10:41	0.013	0.015	-
11:23	0.002	0.003	10:42	0.013	0.014	-
11:24	0.002	0.002	10:43	0.013	0.014	-
11:25	0.003	0.002	10:44	0.013	0.014	-

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	
11:26	0.002	0.002	10:45	0.013	0.013	-
11:27	0.002	0.002	10:46	0.012	0.013	-
11:28	0.002	0.002	10:47	0.013	0.013	-
11:29	0.002	0.002	10:48	0.013	0.013	-
11:30	0.001	0.002	10:49	0.012	0.013	-
11:31	0.001	0.002	10:50	0.012	0.013	-
11:32	0.007	0.002	10:51	0.013	0.013	-
11:33	0.004	0.002	10:52	0.013	0.013	-
11:34	0.006	0.003	10:53	0.013	0.013	-
11:35	0.002	0.003	10:54	0.013	0.013	-
11:36	0.001	0.003	10:55	0.013	0.013	-
11:37	0.001	0.003	10:56	0.013	0.013	-
11:38	0.002	0.003	10:57	0.013	0.013	-
11:39	0.003	0.003	10:58	0.013	0.013	-
11:40	0.006	0.003	10:59	0.014	0.013	-
11:41	0.004	0.003	11:00	0.014	0.013	-
11:42	0.002	0.003	11:01	0.013	0.013	-
11:43	0.002	0.003	11:02	0.014	0.013	-
11:44	0.002	0.003	11:03	0.014	0.013	-
11:45	0.002	0.003	11:04	0.014	0.013	-
11:46	0.002	0.003	11:05	0.014	0.013	-
11:47	0.003	0.003	11:06	0.014	0.013	-
11:48	0.002	0.003	11:07	0.014	0.014	-
11:49	0.004	0.003	11:08	0.013	0.014	-
11:50	0.003	0.003	11:09	0.015	0.014	-
11:51	0.003	0.003	11:10	0.014	0.014	-
11:52	0.002	0.003	11:11	0.014	0.014	-
11:53	0.003	0.003	11:12	0.014	0.014	-
11:54	0.003	0.003	11:13	0.014	0.014	-
11:55	0.002	0.003	11:14	0.013	0.014	-
11:56	0.001	0.002	11:15	0.013	0.014	-
11:57	0.001	0.002	11:16	0.013	0.014	-
11:58	0.001	0.002	11:17	0.013	0.014	-
11:59	0.002	0.002	11:18	0.013	0.014	-
12:00	0.001	0.002	11:19	0.012	0.014	-
12:01	0.002	0.002	11:20	0.014	0.014	-
12:02	0.003	0.002	11:21	0.015	0.014	-
12:03	0.002	0.002	11:22	0.014	0.014	-
12:04	0.003	0.002	11:23	0.013	0.014	-
12:05	0.004	0.002	11:24	0.014	0.014	-
12:06	0.003	0.002	11:25	0.013	0.013	-
12:07	0.005	0.002	11:26	0.012	0.013	-
12:08	0.001	0.002	11:27	0.012	0.013	-
12:09	0.002	0.002	11:28	0.012	0.013	-
12:10	0.002	0.002	11:29	0.012	0.013	-
12:11	0.002	0.002	11:30	0.013	0.013	-
12:12	0.005	0.003	11:31	0.014	0.013	-
12:13	0.004	0.003	11:32	0.015	0.013	-
12:14	0.003	0.003	11:33	0.014	0.013	-
12:15	0.002	0.003	11:34	0.013	0.013	-
12:16	0.003	0.003	11:35	0.013	0.013	-
12:17	0.002	0.003	11:36	0.013	0.013	-
12:18	0.002	0.003	11:37	0.012	0.013	-
12:19	0.002	0.003	11:38	0.012	0.013	-
12:20	0.003	0.003	11:39	0.012	0.013	-
12:21	0.002	0.003	11:40	0.013	0.013	-
12:22	0.002	0.002	11:41	0.013	0.013	-
12:23	0.003	0.003	11:42	0.012	0.013	-
12:24	0.002	0.003	11:43	0.011	0.013	-
12:25	0.001	0.003	11:44	0.012	0.013	-
12:26	0.002	0.003	11:45	0.012	0.013	-
12:27	0.003	0.002	11:46	0.011	0.013	-
12:28	0.003	0.002	11:47	0.013	0.012	-
12:29	0.002	0.002	11:48	0.013	0.012	-
12:30	0.003	0.002	11:49	0.013	0.012	-
12:31	0.003	0.002	11:50	0.013	0.012	-
12:32	0.002	0.002	11:51	0.012	0.012	-
12:33	0.001	0.002	11:52	0.011	0.012	-

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	
12:34	0.001	0.002	11:53	0.011	0.012	-
12:35	0.002	0.002	11:54	0.012	0.012	-
12:36	0.001	0.002	11:55	0.012	0.012	-
12:37	0.002	0.002	11:56	0.011	0.012	-
12:38	0.007	0.002	11:57	0.015	0.012	-
12:39	0.003	0.002	11:58	0.013	0.012	-
12:40	0.002	0.002	11:59	0.012	0.012	-
12:41	0.003	0.003	12:00	0.020	0.013	-
12:42	0.010	0.003	12:01	0.022	0.014	-
12:43	0.009	0.003	12:02	0.014	0.014	-
12:44	0.006	0.004	12:03	0.028	0.015	-
12:45	0.004	0.004	12:04	0.012	0.015	-
12:46	0.002	0.004	12:05	0.011	0.014	-
12:47	0.004	0.004	12:06	0.012	0.014	-
12:48	0.004	0.004	12:07	0.013	0.015	-
12:49	0.002	0.004	12:08	0.011	0.015	-
12:50	0.002	0.004	12:09	0.011	0.014	-
12:51	0.002	0.004	12:10	0.010	0.014	-
12:52	0.004	0.004	12:11	0.010	0.014	-
12:53	0.002	0.004	12:12	0.010	0.014	-
12:54	0.002	0.004	12:13	0.010	0.014	-
12:55	0.002	0.004	12:14	0.010	0.014	-
12:56	0.002	0.004	12:15	0.010	0.013	-
12:57	0.002	0.003	12:16	0.010	0.012	-
12:58	0.003	0.003	12:17	0.011	0.012	-
12:59	0.004	0.003	12:18	0.013	0.011	-
13:00	0.003	0.003	12:19	0.011	0.011	-
13:01	0.002	0.003	12:20	0.010	0.011	-
13:02	0.003	0.003	12:21	0.012	0.011	-
13:03	0.003	0.003	12:22	0.011	0.011	-
13:04	0.002	0.003	12:23	0.011	0.011	-
13:05	0.003	0.003	12:24	0.011	0.011	-
13:06	0.003	0.003	12:25	0.010	0.011	-
13:07	0.002	0.003	12:26	0.010	0.011	-
13:08	0.002	0.003	12:27	0.010	0.011	-
13:09	0.002	0.003	12:28	0.010	0.011	-
13:10	0.002	0.003	12:29	0.010	0.011	-
13:11	0.002	0.003	12:30	0.010	0.011	-
13:12	0.002	0.003	12:31	0.009	0.011	-
13:13	0.001	0.002	12:32	0.010	0.011	-
13:14	0.002	0.002	12:33	0.010	0.010	-
13:15	0.002	0.002	12:34	0.010	0.010	-
13:16	0.003	0.002	12:35	0.010	0.010	-
13:17	0.002	0.002	12:36	0.010	0.010	-
13:18	0.001	0.002	12:37	0.009	0.010	-
13:19	0.002	0.002	12:38	0.010	0.010	-
13:20	0.001	0.002	12:39	0.009	0.010	-
13:21	0.001	0.002	12:40	0.010	0.010	-
13:22	0.001	0.002	12:41	0.010	0.010	-
13:23	0.003	0.002	12:42	0.012	0.010	-
13:24	0.003	0.002	12:43	0.011	0.010	-
13:25	0.003	0.002	12:44	0.011	0.010	-
13:26	0.004	0.002	12:45	0.011	0.010	-
13:27	0.004	0.002	12:46	0.012	0.010	-
13:28	0.004	0.002	12:47	0.011	0.010	-
13:29	0.004	0.003	12:48	0.011	0.010	-
13:30	0.004	0.003	12:49	0.012	0.011	-
13:31	0.006	0.003	12:50	0.013	0.011	-
13:32	0.006	0.003	12:51	0.012	0.011	-
13:33	0.005	0.003	12:52	0.013	0.011	-
13:34	0.004	0.004	12:53	0.014	0.011	-
13:35	0.003	0.004	12:54	0.012	0.012	-
13:36	0.002	0.004	12:55	0.009	0.012	-
13:37	0.002	0.004	12:56	0.010	0.012	-
13:38	0.002	0.004	12:57	0.009	0.011	-
13:39	0.002	0.004	12:58	0.009	0.011	-
13:40	0.002	0.004	12:59	0.010	0.011	-
13:41	0.002	0.003	13:00	0.010	0.011	-

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	
13:42	0.002	0.003	13:01	0.010	0.011	-
13:43	0.002	0.003	13:02	0.010	0.011	-
13:44	0.002	0.003	13:03	0.009	0.011	-
13:45	0.002	0.003	13:04	0.010	0.011	-
13:46	0.002	0.003	13:05	0.010	0.010	-
13:47	0.002	0.002	13:06	0.009	0.010	-
13:48	0.002	0.002	13:07	0.010	0.010	-
13:49	0.002	0.002	13:08	0.010	0.010	-
13:50	0.003	0.002	13:09	0.010	0.010	-
13:51	0.003	0.002	13:10	0.011	0.010	-
13:52	0.005	0.002	13:11	0.012	0.010	-
13:53	0.004	0.002	13:12	0.011	0.010	-
13:54	0.004	0.003	13:13	0.011	0.010	-
13:55	0.004	0.003	13:14	0.011	0.010	-
13:56	0.004	0.003	13:15	0.011	0.010	-
13:57	0.003	0.003	13:16	0.011	0.010	-
13:58	0.007	0.003	13:17	0.010	0.010	-
13:59	0.005	0.003	13:18	0.010	0.010	-
14:00	0.003	0.004	13:19	0.010	0.010	-
14:01	0.002	0.004	13:20	0.009	0.010	-
14:02	0.002	0.004	13:21	0.009	0.010	-
14:03	0.002	0.004	13:22	0.010	0.010	-
14:04	0.002	0.004	13:23	0.010	0.010	-
14:05	0.002	0.003	13:24	0.010	0.010	-
14:06	0.002	0.003	13:25	0.010	0.010	-
14:07	0.003	0.003	13:26	0.011	0.010	-
14:08	0.003	0.003	13:27	0.010	0.010	-
14:09	0.003	0.003	13:28	0.011	0.010	-
14:10	0.002	0.003	13:29	0.010	0.010	-
14:11	0.002	0.003	13:30	0.010	0.010	-
14:12	0.003	0.003	13:31	0.011	0.010	-
14:13	0.003	0.003	13:32	0.010	0.010	-
14:14	0.005	0.003	13:33	0.011	0.010	-
14:15	0.003	0.003	13:34	0.012	0.010	-
14:16	0.004	0.003	13:35	0.013	0.011	-
14:17	0.004	0.003	13:36	0.012	0.011	-
14:18	0.002	0.003	13:37	0.010	0.011	-
14:19	0.004	0.003	13:38	0.011	0.011	-
14:20	0.002	0.003	13:39	0.010	0.011	-
14:21	0.002	0.003	13:40	0.010	0.011	-
14:22	0.001	0.003	13:41	0.010	0.011	-
14:23	0.002	0.003	13:42	0.011	0.011	-
14:24	0.002	0.003	13:43	0.011	0.011	-
14:25	0.003	0.003	13:44	0.012	0.011	-
14:26	0.004	0.003	13:45	0.013	0.011	-
14:27	0.007	0.003	13:46	0.015	0.011	-
14:28	0.005	0.003	13:47	0.016	0.012	-
14:29	0.006	0.003	13:48	0.014	0.012	-
14:30	0.004	0.003	13:49	0.014	0.012	-
14:31	0.003	0.003	13:50	0.013	0.012	-
14:32	0.002	0.003	13:51	0.012	0.012	-
14:33			13:52	0.013	0.012	
14:34			13:53	0.013	0.012	
14:35			13:54	0.013	0.013	
14:36			13:55	0.013	0.013	

March 5, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						378
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:14	0.0		8:14	0.0		
8:15	0.0		8:15	0.0		
8:16	0.0		8:16	0.0		
8:17	0.0		8:17	0.0		
8:18	0.0		8:18	0.0		
8:19	0.0		8:19	0.0		
8:20	0.0		8:20	0.0		
8:21	0.0		8:21	0.0		
8:22	0.0		8:22	0.0		
8:23	0.0		8:23	0.0		
8:24	0.0		8:24	0.0		
8:25	0.0		8:25	0.0		
8:26	0.0		8:26	0.0		
8:27	0.0		8:27	0.0		
8:28	0.0	0.0	8:28	0.0	0.0	-
8:29	0.0	0.0	8:29	0.0	0.0	-
8:30	0.0	0.0	8:30	0.0	0.0	-
8:31	0.0	0.0	8:31	0.0	0.0	-
8:32	0.0	0.0	8:32	0.0	0.0	-
8:33	0.0	0.0	8:33	0.0	0.0	-
8:34	0.0	0.0	8:34	0.0	0.0	-
8:35	0.0	0.0	8:35	0.0	0.0	-
8:36	0.0	0.0	8:36	0.0	0.0	-
8:37	0.0	0.0	8:37	0.0	0.0	-
8:38	0.0	0.0	8:38	0.0	0.0	-
8:39	0.0	0.0	8:39	0.0	0.0	-
8:40	0.0	0.0	8:40	0.0	0.0	-
8:41	0.0	0.0	8:41	0.0	0.0	-
8:42	0.0	0.0	8:42	0.0	0.0	-
8:43	0.0	0.0	8:43	0.0	0.0	-
8:44	0.0	0.0	8:44	0.0	0.0	-
8:45	0.0	0.0	8:45	0.0	0.0	-
8:46	0.0	0.0	8:46	0.0	0.0	-
8:47	0.0	0.0	8:47	0.0	0.0	-
8:48	0.0	0.0	8:48	0.0	0.0	-
8:49	0.0	0.0	8:49	0.0	0.0	-
8:50	0.0	0.0	8:50	0.0	0.0	-
8:51	0.0	0.0	8:51	0.0	0.0	-
8:52	0.0	0.0	8:52	0.0	0.0	-
8:53	0.0	0.0	8:53	0.0	0.0	-
8:54	0.0	0.0	8:54	0.0	0.0	-
8:55	0.0	0.0	8:55	0.0	0.0	-
8:56	0.0	0.0	8:56	0.0	0.0	-
8:57	0.0	0.0	8:57	0.0	0.0	-
8:58	0.0	0.0	8:58	0.0	0.0	-
8:59	0.0	0.0	8:59	0.0	0.0	-
9:00	0.0	0.0	9:00	0.0	0.0	-
9:01	0.0	0.0	9:01	0.0	0.0	-
9:02	0.0	0.0	9:02	0.0	0.0	-
9:03	0.0	0.0	9:03	0.0	0.0	-
9:04	0.0	0.0	9:04	0.0	0.0	-
9:05	0.0	0.0	9:05	0.0	0.0	-
9:06	0.0	0.0	9:06	0.0	0.0	-
9:07	0.0	0.0	9:07	0.0	0.0	-
9:08	0.0	0.0	9:08	0.0	0.0	-
9:09	0.0	0.0	9:09	0.0	0.0	-
9:10	0.0	0.0	9:10	0.0	0.0	-
9:11	0.0	0.0	9:11	0.0	0.0	-
9:12	0.0	0.0	9:12	0.0	0.0	-
9:13	0.0	0.0	9:13	0.0	0.0	-
9:14	0.0	0.0	9:14	0.0	0.0	-
9:15	0.0	0.0	9:15	0.0	0.0	-
9:16	0.0	0.0	9:16	0.0	0.0	-
9:17	0.0	0.0	9:17	0.0	0.0	-
9:18	0.0	0.0	9:18	0.0	0.0	-
9:19	0.0	0.0	9:19	0.0	0.0	-
9:20	0.0	0.0	9:20	0.0	0.0	-
9:21	0.0	0.0	9:21	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:22	0.0	0.0	9:22	0.0	0.0	-
9:23	0.0	0.0	9:23	0.0	0.0	-
9:24	0.0	0.0	9:24	0.0	0.0	-
9:25	0.0	0.0	9:25	0.0	0.0	-
9:26	0.0	0.0	9:26	0.0	0.0	-
9:27	0.0	0.0	9:27	0.0	0.0	-
9:28	0.0	0.0	9:28	0.0	0.0	-
9:31	0.0	0.0	9:31	0.0	0.0	-
9:32	0.0	0.0	9:32	0.0	0.0	-
9:33	0.0	0.0	9:33	0.0	0.0	-
9:34	0.0	0.0	9:34	0.0	0.0	-
9:35	0.0	0.0	9:35	0.0	0.0	-
9:36	0.0	0.0	9:36	0.0	0.0	-
9:37	0.0	0.0	9:37	0.0	0.0	-
9:38	0.0	0.0	9:38	0.0	0.0	-
9:39	0.0	0.0	9:39	0.0	0.0	-
9:40	0.0	0.0	9:40	0.0	0.0	-
9:41	0.0	0.0	9:41	0.0	0.0	-
9:42	0.0	0.0	9:42	0.0	0.0	-
9:43	0.0	0.0	9:43	0.0	0.0	-
9:44	0.0	0.0	9:44	0.0	0.0	-
9:45	0.0	0.0	9:45	0.0	0.0	-
9:46	0.0	0.0	9:46	0.0	0.0	-
9:47	0.0	0.0	9:47	0.0	0.0	-
9:48	0.0	0.0	9:48	0.0	0.0	-
9:49	0.0	0.0	9:49	0.0	0.0	-
9:50	0.0	0.0	9:50	0.0	0.0	-
9:51	0.0	0.0	9:51	0.0	0.0	-
9:52	0.0	0.0	9:52	0.0	0.0	-
9:53	0.0	0.0	9:53	0.0	0.0	-
9:54	0.0	0.0	9:54	0.0	0.0	-
9:55	0.0	0.0	9:55	0.0	0.0	-
9:56	0.0	0.0	9:56	0.0	0.0	-
9:57	0.0	0.0	9:57	0.0	0.0	-
9:58	0.0	0.0	9:58	0.0	0.0	-
9:59	0.0	0.0	9:59	0.0	0.0	-
10:00	0.0	0.0	10:00	0.0	0.0	-
10:01	0.0	0.0	10:01	0.0	0.0	-
10:02	0.0	0.0	10:02	0.0	0.0	-
10:03	0.0	0.0	10:03	0.0	0.0	-
10:04	0.0	0.0	10:04	0.0	0.0	-
10:05	0.0	0.0	10:05	0.0	0.0	-
10:06	0.0	0.0	10:06	0.0	0.0	-
10:07	0.0	0.0	10:07	0.0	0.0	-
10:08	0.0	0.0	10:08	0.0	0.0	-
10:09	0.0	0.0	10:09	0.0	0.0	-
10:10	0.0	0.0	10:10	0.0	0.0	-
10:11	0.0	0.0	10:11	0.0	0.0	-
10:12	0.0	0.0	10:12	0.0	0.0	-
10:13	0.0	0.0	10:13	0.0	0.0	-
10:14	0.0	0.0	10:14	0.0	0.0	-
10:15	0.0	0.0	10:15	0.0	0.0	-
10:16	0.0	0.0	10:16	0.0	0.0	-
10:17	0.0	0.0	10:17	0.0	0.0	-
10:18	0.0	0.0	10:18	0.0	0.0	-
10:19	0.0	0.0	10:19	0.0	0.0	-
10:20	0.0	0.0	10:20	0.0	0.0	-
10:21	0.0	0.0	10:21	0.0	0.0	-
10:22	0.0	0.0	10:22	0.0	0.0	-
10:23	0.0	0.0	10:23	0.0	0.0	-
10:24	0.0	0.0	10:24	0.0	0.0	-
10:25	0.0	0.0	10:25	0.0	0.0	-
10:26	0.0	0.0	10:26	0.0	0.0	-
10:27	0.0	0.0	10:27	0.0	0.0	-
10:28	0.0	0.0	10:28	0.0	0.0	-
10:29	0.0	0.0	10:29	0.0	0.0	-
10:30	0.0	0.0	10:30	0.0	0.0	-
10:31	0.0	0.0	10:31	0.0	0.0	-
10:32	0.0	0.0	10:32	0.0	0.0	-
10:33	0.0	0.0	10:33	0.0	0.0	-
10:34	0.0	0.0	10:34	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:35	0.0	0.0	10:35	0.0	0.0	-
10:36	0.0	0.0	10:36	0.0	0.0	-
10:37	0.0	0.0	10:37	0.0	0.0	-
10:38	0.0	0.0	10:38	0.0	0.0	-
10:39	0.0	0.0	10:39	0.0	0.0	-
10:40	0.0	0.0	10:40	0.0	0.0	-
10:41	0.0	0.0	10:41	0.0	0.0	-
10:42	0.0	0.0	10:42	0.0	0.0	-
10:43	0.0	0.0	10:43	0.0	0.0	-
10:44	0.0	0.0	10:44	0.0	0.0	-
10:45	0.0	0.0	10:45	0.0	0.0	-
10:46	0.0	0.0	10:46	0.0	0.0	-
10:47	0.0	0.0	10:47	0.0	0.0	-
10:48	0.0	0.0	10:48	0.0	0.0	-
10:49	0.0	0.0	10:49	0.0	0.0	-
10:50	0.0	0.0	10:50	0.0	0.0	-
10:51	0.0	0.0	10:51	0.0	0.0	-
10:52	0.0	0.0	10:52	0.0	0.0	-
10:53	0.0	0.0	10:53	0.0	0.0	-
10:54	0.0	0.0	10:54	0.0	0.0	-
10:55	0.0	0.0	10:55	0.0	0.0	-
10:56	0.0	0.0	10:56	0.0	0.0	-
10:57	0.0	0.0	10:57	0.0	0.0	-
10:58	0.0	0.0	10:58	0.0	0.0	-
10:59	0.0	0.0	10:59	0.0	0.0	-
11:00	0.0	0.0	11:00	0.0	0.0	-
11:01	0.0	0.0	11:01	0.0	0.0	-
11:02	0.0	0.0	11:02	0.0	0.0	-
11:03	0.0	0.0	11:03	0.0	0.0	-
11:04	0.0	0.0	11:04	0.0	0.0	-
11:05	0.0	0.0	11:05	0.0	0.0	-
11:06	0.0	0.0	11:06	0.0	0.0	-
11:07	0.0	0.0	11:07	0.0	0.0	-
11:08	0.0	0.0	11:08	0.0	0.0	-
11:09	0.0	0.0	11:09	0.0	0.0	-
11:10	0.0	0.0	11:10	0.0	0.0	-
11:11	0.0	0.0	11:11	0.0	0.0	-
11:12	0.0	0.0	11:12	0.0	0.0	-
11:13	0.0	0.0	11:13	0.0	0.0	-
11:14	0.0	0.0	11:14	0.0	0.0	-
11:15	0.0	0.0	11:15	0.0	0.0	-
11:16	0.0	0.0	11:16	0.0	0.0	-
11:17	0.0	0.0	11:17	0.0	0.0	-
11:18	0.0	0.0	11:18	0.0	0.0	-
11:19	0.0	0.0	11:19	0.0	0.0	-
11:20	0.0	0.0	11:20	0.0	0.0	-
11:21	0.0	0.0	11:21	0.0	0.0	-
11:22	0.0	0.0	11:22	0.0	0.0	-
11:23	0.0	0.0	11:23	0.0	0.0	-
11:24	0.0	0.0	11:24	0.0	0.0	-
11:25	0.0	0.0	11:25	0.0	0.0	-
11:26	0.0	0.0	11:26	0.0	0.0	-
11:27	0.0	0.0	11:27	0.0	0.0	-
11:28	0.0	0.0	11:28	0.0	0.0	-
11:29	0.0	0.0	11:29	0.0	0.0	-
11:30	0.0	0.0	11:30	0.0	0.0	-
11:31	0.0	0.0	11:31	0.0	0.0	-
11:32	0.0	0.0	11:32	0.0	0.0	-
11:33	0.0	0.0	11:33	0.0	0.0	-
11:34	0.0	0.0	11:34	0.0	0.0	-
11:35	0.0	0.0	11:35	0.0	0.0	-
11:36	0.0	0.0	11:36	0.0	0.0	-
11:37	0.0	0.0	11:37	0.0	0.0	-
11:38	0.0	0.0	11:38	0.0	0.0	-
11:39	0.0	0.0	11:39	0.0	0.0	-
11:40	0.0	0.0	11:40	0.0	0.0	-
11:41	0.0	0.0	11:41	0.1	0.0	-
11:42	0.0	0.0	11:42	0.0	0.0	-
11:43	0.0	0.0	11:43	0.0	0.0	-
11:44	0.0	0.0	11:44	0.0	0.0	-
11:45	0.0	0.0	11:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:46	0.0	0.0	11:46	0.0	0.0	-
11:47	0.0	0.0	11:47	0.0	0.0	-
11:48	0.0	0.0	11:48	0.0	0.0	-
11:49	0.0	0.0	11:49	0.0	0.0	-
11:50	0.0	0.0	11:50	0.0	0.0	-
11:51	0.0	0.0	11:51	0.0	0.0	-
11:52	0.0	0.0	11:52	0.0	0.0	-
11:53	0.0	0.0	11:53	0.0	0.0	-
11:54	0.0	0.0	11:54	0.0	0.0	-
11:55	0.0	0.0	11:55	0.0	0.0	-
11:56	0.0	0.0	11:56	0.0	0.0	-
11:57	0.0	0.0	11:57	0.0	0.0	-
11:58	0.0	0.0	11:58	0.0	0.0	-
11:59	0.0	0.0	11:59	0.0	0.0	-
12:00	0.0	0.0	12:00	0.0	0.0	-
12:01	0.0	0.0	12:01	0.0	0.0	-
12:02	0.0	0.0	12:02	0.0	0.0	-
12:03	0.0	0.0	12:03	0.0	0.0	-
12:04	0.0	0.0	12:04	0.0	0.0	-
12:05	0.0	0.0	12:05	0.0	0.0	-
12:06	0.0	0.0	12:06	0.0	0.0	-
12:07	0.0	0.0	12:07	0.0	0.0	-
12:08	0.0	0.0	12:08	0.0	0.0	-
12:09	0.0	0.0	12:09	0.0	0.0	-
12:10	0.0	0.0	12:10	0.0	0.0	-
12:11	0.0	0.0	12:11	0.0	0.0	-
12:12	0.0	0.0	12:12	0.0	0.0	-
12:13	0.0	0.0	12:13	0.0	0.0	-
12:14	0.0	0.0	12:14	0.0	0.0	-
12:15	0.0	0.0	12:15	0.0	0.0	-
12:16	0.0	0.0	12:16	0.0	0.0	-
12:17	0.0	0.0	12:17	0.0	0.0	-
12:18	0.0	0.0	12:18	0.0	0.0	-
12:19	0.0	0.0	12:19	0.0	0.0	-
12:20	0.0	0.0	12:20	0.0	0.0	-
12:21	0.0	0.0	12:21	0.0	0.0	-
12:22	0.0	0.0	12:22	0.0	0.0	-
12:23	0.0	0.0	12:23	0.0	0.0	-
12:24	0.0	0.0	12:24	0.0	0.0	-
12:25	0.0	0.0	12:25	0.0	0.0	-
12:26	0.0	0.0	12:26	0.0	0.0	-
12:27	0.0	0.0	12:27	0.0	0.0	-
12:28	0.0	0.0	12:28	0.0	0.0	-
12:29	0.0	0.0	12:29	0.0	0.0	-
12:30	0.0	0.0	12:30	0.0	0.0	-
12:31	0.0	0.0	12:31	0.0	0.0	-
12:32	0.0	0.0	12:32	0.0	0.0	-
12:33	0.0	0.0	12:33	0.0	0.0	-
12:34	0.0	0.0	12:34	0.0	0.0	-
12:35	0.0	0.0	12:35	0.0	0.0	-
12:36	0.0	0.0	12:36	0.0	0.0	-
12:37	0.0	0.0	12:37	0.0	0.0	-
12:38	0.0	0.0	12:38	0.0	0.0	-
12:39	0.0	0.0	12:39	0.0	0.0	-
12:40	0.0	0.0	12:40	0.0	0.0	-
12:41	0.0	0.0	12:41	0.0	0.0	-
12:42	0.0	0.0	12:42	0.0	0.0	-
12:43	0.0	0.0	12:43	0.0	0.0	-
12:44	0.0	0.0	12:44	0.0	0.0	-
12:45	0.0	0.0	12:45	0.0	0.0	-
12:46	0.0	0.0	12:46	0.0	0.0	-
12:47	0.0	0.0	12:47	0.0	0.0	-
12:48	0.0	0.0	12:48	0.0	0.0	-
12:49	0.0	0.0	12:49	0.0	0.0	-
12:50	0.0	0.0	12:50	0.0	0.0	-
12:51	0.0	0.0	12:51	0.0	0.0	-
12:52	0.0	0.0	12:52	0.0	0.0	-
12:53	0.0	0.0	12:53	0.0	0.0	-
12:54	0.0	0.0	12:54	0.0	0.0	-
12:55	0.0	0.0	12:55	0.0	0.0	-
12:56	0.0	0.0	12:56	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:57	0.0	0.0	12:57	0.0	0.0	-
12:58	0.0	0.0	12:58	0.0	0.0	-
12:59	0.0	0.0	12:59	0.0	0.0	-
13:00	0.0	0.0	13:00	0.0	0.0	-
13:01	0.0	0.0	13:01	0.0	0.0	-
13:02	0.0	0.0	13:02	0.0	0.0	-
13:03	0.0	0.0	13:03	0.0	0.0	-
13:04	0.0	0.0	13:04	0.0	0.0	-
13:05	0.0	0.0	13:05	0.0	0.0	-
13:06	0.0	0.0	13:06	0.0	0.0	-
13:07	0.0	0.0	13:07	0.0	0.0	-
13:08	0.0	0.0	13:08	0.0	0.0	-
13:09	0.0	0.0	13:09	0.0	0.0	-
13:10	0.0	0.0	13:10	0.0	0.0	-
13:11	0.0	0.0	13:11	0.0	0.0	-
13:12	0.0	0.0	13:12	0.0	0.0	-
13:13	0.0	0.0	13:13	0.0	0.0	-
13:14	0.0	0.0	13:14	0.0	0.0	-
13:15	0.0	0.0	13:15	0.0	0.0	-
13:16	0.0	0.0	13:16	0.0	0.0	-
13:17	0.0	0.0	13:17	0.0	0.0	-
13:18	0.0	0.0	13:18	0.0	0.0	-
13:19	0.0	0.0	13:19	0.0	0.0	-
13:20	0.0	0.0	13:20	0.0	0.0	-
13:21	0.0	0.0	13:21	0.0	0.0	-
13:22	0.0	0.0	13:22	0.0	0.0	-
13:23	0.0	0.0	13:23	0.0	0.0	-
13:24	0.0	0.0	13:24	0.0	0.0	-
13:25	0.0	0.0	13:25	0.0	0.0	-
13:26	0.0	0.0	13:26	0.0	0.0	-
13:27	0.0	0.0	13:27	0.0	0.0	-
13:28	0.0	0.0	13:28	0.0	0.0	-
13:29	0.0	0.0	13:29	0.0	0.0	-
13:30	0.0	0.0	13:30	0.0	0.0	-
13:31	0.0	0.0	13:31	0.0	0.0	-
13:32	0.0	0.0	13:32	0.0	0.0	-
13:33	0.0	0.0	13:33	0.0	0.0	-
13:34	0.0	0.0	13:34	0.0	0.0	-
13:35	0.0	0.0	13:35	0.0	0.0	-
13:36	0.0	0.0	13:36	0.0	0.0	-
13:37	0.0	0.0	13:37	0.0	0.0	-
13:38	0.0	0.0	13:38	0.0	0.0	-
13:39	0.0	0.0	13:39	0.0	0.0	-
13:40	0.0	0.0	13:40	0.0	0.0	-
13:41	0.0	0.0	13:41	0.0	0.0	-
13:42	0.0	0.0	13:42	0.0	0.0	-
13:43	0.0	0.0	13:43	0.0	0.0	-
13:44	0.0	0.0	13:44	0.0	0.0	-
13:45	0.0	0.0	13:45	0.0	0.0	-
13:46	0.0	0.0	13:46	0.0	0.0	-
13:47	0.0	0.0	13:47	0.0	0.0	-
13:48	0.0	0.0	13:48	0.0	0.0	-
13:49	0.0	0.0	13:49	0.0	0.0	-
13:50	0.0	0.0	13:50	0.0	0.0	-
13:51	0.0	0.0	13:51	0.0	0.0	-
13:52	0.0	0.0	13:52	0.0	0.0	-
13:53	0.0	0.0	13:53	0.0	0.0	-
13:54	0.0	0.0	13:54	0.0	0.0	-
13:55	0.0	0.0	13:55	0.0	0.0	-
13:56	0.0	0.0	13:56	0.0	0.0	-
13:57	0.0	0.0	13:57	0.0	0.0	-
13:58	0.0	0.0	13:58	0.0	0.0	-
13:59	0.0	0.0	13:59	0.0	0.0	-
14:00	0.0	0.0	14:00	0.0	0.0	-
14:01	0.0	0.0	14:01	0.0	0.0	-
14:02	0.0	0.0	14:02	0.0	0.0	-
14:03	0.0	0.0	14:03	0.0	0.0	-
14:04	0.0	0.0	14:04	0.0	0.0	-
14:05	0.0	0.0	14:05	0.0	0.0	-
14:06	0.0	0.0	14:06	0.0	0.0	-
14:07	0.0	0.0	14:07	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:08	0.0	0.0	14:08	0.0	0.0	-
14:09	0.0	0.0	14:09	0.0	0.0	-
14:10	0.0	0.0	14:10	0.0	0.0	-
14:11	0.0	0.0	14:11	0.0	0.0	-
14:12	0.0	0.0	14:12	0.0	0.0	-
14:13	0.0	0.0	14:13	0.0	0.0	-
14:14	0.0	0.0	14:14	0.0	0.0	-
14:15	0.0	0.0	14:15	0.0	0.0	-
14:16	0.0	0.0	14:16	0.0	0.0	-
14:17	0.0	0.0	14:17	0.0	0.0	-
14:18	0.0	0.0	14:18	0.0	0.0	-
14:19	0.0	0.0	14:19	0.0	0.0	-
14:20	0.0	0.0	14:20	0.0	0.0	-
14:21	0.0	0.0	14:21	0.0	0.0	-
14:22	0.0	0.0	14:22	0.0	0.0	-
14:23	0.0	0.0	14:23	0.0	0.0	-
14:24	0.0	0.0	14:24	0.0	0.0	-
14:25	0.0	0.0	14:25	0.0	0.0	-
14:26	0.0	0.0	14:26	0.0	0.0	-
14:27	0.0	0.0	14:27	0.0	0.0	-
14:28	0.0	0.0	14:28	0.0	0.0	-
14:29	0.0	0.0	14:29	0.0	0.0	-
14:30	0.0	0.0	14:30	0.0	0.0	-
14:31	0.0	0.0	14:31	0.0	0.0	-
14:32	0.0	0.0	14:32	0.0	0.0	-
14:33	0.0	0.0	14:33	0.0	0.0	-
14:34	0.0	0.0	14:34	0.0	0.0	-
14:35	0.0	0.0	14:35	0.0	0.0	-
14:36	0.0	0.0	14:36	0.0	0.0	-
14:37	0.0	0.0	14:37	0.0	0.0	-
14:38	0.0	0.0	14:38	0.0	0.0	-
14:39	0.0	0.0	14:39	0.0	0.0	-
14:40	0.0	0.0	14:40	0.0	0.0	-
14:41	0.0	0.0	14:41	0.0	0.0	-
14:42	0.0	0.0	14:42	0.0	0.0	-
14:43	0.0	0.0	14:43	0.0	0.0	-
14:44	0.0	0.0	14:44	0.0	0.0	-
14:45	0.0	0.0	14:45	0.0	0.0	-

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/8/2021
Observer: Lexi Haley

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.008	0.018
Maximum 15min Average	0.015	0.022
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.000

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.4
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.1	0.0

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.

March 8, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						549
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	
7:55	0.013		7:55			
7:56	0.007		7:56			
7:57	0.007		7:57			
7:58	0.008		7:58			
7:59	0.007		7:59	0.072		
8:00	0.007		8:00	0.018		
8:01	0.007		8:01	0.017		
8:02	0.008		8:02	0.017		
8:03	0.007		8:03	0.017		
8:04	0.007		8:04	0.018		
8:05	0.008		8:05	0.018		
8:06	0.009		8:06	0.019		
8:07	0.009		8:07	0.019		
8:08	0.025		8:08	0.020		
8:09	0.009	0.009	8:09	0.019		
8:10	0.012	0.009	8:10	0.020		
8:11	0.008	0.009	8:11	0.019		
8:12	0.007	0.009	8:12	0.019		
8:13	0.007	0.009	8:13	0.018	0.022	-
8:14	0.007	0.009	8:14	0.019	0.018	-
8:15	0.006	0.009	8:15	0.018	0.018	-
8:16	0.007	0.009	8:16	0.018	0.019	-
8:17	0.008	0.009	8:17	0.021	0.019	-
8:18	0.012	0.009	8:18	0.023	0.019	-
8:19	0.011	0.010	8:19	0.021	0.019	-
8:20	0.010	0.010	8:20	0.019	0.019	-
8:21	0.008	0.010	8:21	0.018	0.019	-
8:22	0.008	0.010	8:22	0.019	0.019	-
8:23	0.008	0.009	8:23	0.021	0.019	-
8:24	0.007	0.008	8:24	0.020	0.020	-
8:25	0.010	0.008	8:25	0.021	0.020	-
8:26	0.021	0.009	8:26	0.019	0.020	-
8:27	0.012	0.009	8:27	0.021	0.020	-
8:28	0.007	0.009	8:28	0.019	0.020	-
8:29	0.006	0.009	8:29	0.019	0.020	-
8:30	0.015	0.010	8:30	0.018	0.020	-
8:31	0.007	0.010	8:31	0.018	0.020	-
8:32	0.007	0.010	8:32	0.019	0.020	-
8:33	0.007	0.010	8:33	0.019	0.019	-
8:34	0.010	0.010	8:34	0.019	0.019	-
8:35	0.008	0.009	8:35	0.019	0.019	-
8:36	0.009	0.009	8:36	0.019	0.019	-
8:37	0.012	0.010	8:37	0.019	0.019	-
8:38	0.019	0.010	8:38	0.020	0.019	-
8:39	0.008	0.011	8:39	0.020	0.019	-
8:40	0.011	0.011	8:40	0.020	0.019	-
8:41	0.044	0.012	8:41	0.019	0.019	-
8:42	0.029	0.013	8:42	0.018	0.019	-
8:43	0.010	0.013	8:43	0.019	0.019	-
8:44	0.008	0.014	8:44	0.019	0.019	-
8:45	0.007	0.013	8:45	0.018	0.019	-
8:46	0.016	0.014	8:46	0.018	0.019	-
8:47	0.022	0.015	8:47	0.018	0.019	-
8:48	0.010	0.015	8:48	0.020	0.019	-
8:49	0.012	0.015	8:49	0.021	0.019	-
8:50	0.007	0.015	8:50	0.019	0.019	-
8:51	0.012	0.015	8:51	0.019	0.019	-
8:52	0.008	0.015	8:52	0.019	0.019	-
8:53	0.009	0.014	8:53	0.019	0.019	-
8:54	0.008	0.014	8:54	0.018	0.019	-
8:55	0.012	0.014	8:55	0.018	0.019	-
8:56	0.007	0.012	8:56	0.019	0.019	-
8:57	0.006	0.010	8:57	0.018	0.019	-
8:58	0.006	0.010	8:58	0.017	0.019	-
8:59	0.007	0.010	8:59	0.019	0.019	-

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	
9:00	0.007	0.010	9:00	0.018	0.019	-
9:01	0.007	0.009	9:01	0.018	0.019	-
9:02	0.014	0.009	9:02	0.018	0.019	-
9:03	0.011	0.009	9:03	0.018	0.019	-
9:04	0.010	0.009	9:04	0.018	0.018	-
9:05	0.008	0.009	9:05	0.018	0.018	-
9:06	0.012	0.009	9:06	0.018	0.018	-
9:07	0.010	0.009	9:07	0.020	0.018	-
9:08	0.006	0.009	9:08	0.018	0.018	-
9:09	0.007	0.009	9:09	0.018	0.018	-
9:10	0.012	0.009	9:10	0.018	0.018	-
9:11	0.010	0.009	9:11	0.019	0.018	-
9:12	0.008	0.009	9:12	0.018	0.018	-
9:13	0.009	0.009	9:13	0.016	0.018	-
9:14	0.007	0.009	9:14	0.018	0.018	-
9:15	0.006	0.009	9:15	0.018	0.018	-
9:16	0.006	0.009	9:16	0.016	0.018	-
9:17	0.006	0.009	9:17	0.016	0.018	-
9:18	0.006	0.008	9:18	0.016	0.018	-
9:19	0.005	0.008	9:19	0.016	0.018	-
9:20	0.006	0.008	9:20	0.017	0.017	-
9:21	0.009	0.008	9:21	0.018	0.017	-
9:22	0.006	0.007	9:22	0.016	0.017	-
9:23	0.006	0.007	9:23	0.016	0.017	-
9:24	0.007	0.007	9:24	0.017	0.017	-
9:25	0.007	0.007	9:25	0.016	0.017	-
9:26	0.006	0.007	9:26	0.016	0.017	-
9:27	0.006	0.007	9:27	0.015	0.016	-
9:28	0.006	0.006	9:28	0.015	0.016	-
9:29	0.006	0.006	9:29	0.016	0.016	-
9:30	0.006	0.006	9:30	0.015	0.016	-
9:31	0.005	0.006	9:31	0.014	0.016	-
9:32	0.005	0.006	9:32	0.016	0.016	-
9:33	0.007	0.006	9:33	0.016	0.016	-
9:34	0.008	0.006	9:34	0.015	0.016	-
9:35	0.006	0.006	9:35	0.016	0.016	-
9:36	0.007	0.006	9:36	0.017	0.016	-
9:37	0.010	0.007	9:37	0.018	0.016	-
9:38	0.006	0.007	9:38	0.016	0.016	-
9:39	0.006	0.006	9:39	0.015	0.016	-
9:40	0.006	0.006	9:40	0.014	0.016	-
9:41	0.006	0.006	9:41	0.014	0.015	-
9:42	0.006	0.006	9:42	0.014	0.015	-
9:43	0.007	0.006	9:43	0.015	0.015	-
9:44	0.007	0.007	9:44	0.016	0.015	-
9:45	0.006	0.007	9:45	0.015	0.015	-
9:46	0.007	0.007	9:46	0.015	0.015	-
9:47	0.009	0.007	9:47	0.017	0.016	-
9:48	0.014	0.007	9:48	0.015	0.015	-
9:49	0.008	0.007	9:49	0.018	0.016	-
9:50	0.009	0.008	9:50	0.017	0.016	-
9:51	0.010	0.008	9:51	0.016	0.016	-
9:52	0.025	0.009	9:52	0.015	0.015	-
9:53	0.011	0.009	9:53	0.015	0.015	-
9:54	0.008	0.009	9:54	0.015	0.015	-
9:55	0.011	0.010	9:55	0.015	0.015	-
9:56	0.013	0.010	9:56	0.015	0.016	-
9:57	0.005	0.010	9:57	0.015	0.016	-
9:58	0.006	0.010	9:58	0.017	0.016	-
9:59	0.027	0.011	9:59	0.013	0.016	-
10:00	0.010	0.012	10:00	0.015	0.016	-
10:01	0.010	0.012	10:01	0.013	0.015	-
10:02	0.024	0.013	10:02	0.013	0.015	-
10:03	0.014	0.013	10:03	0.015	0.015	-
10:04	0.022	0.014	10:04	0.015	0.015	-
10:05	0.009	0.014	10:05	0.016	0.015	-
10:06	0.008	0.014	10:06	0.014	0.015	-
10:07	0.006	0.012	10:07	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	
10:08	0.006	0.012	10:08	0.014	0.015	-
10:09	0.008	0.012	10:09	0.015	0.015	-
10:10	0.006	0.012	10:10	0.015	0.015	-
10:11	0.007	0.011	10:11	0.014	0.015	-
10:12	0.005	0.011	10:12	0.013	0.014	-
10:13	0.007	0.011	10:13	0.014	0.014	-
10:14	0.009	0.010	10:14	0.013	0.014	-
10:15	0.010	0.010	10:15	0.014	0.014	-
10:16	0.012	0.010	10:16	0.013	0.014	-
10:17	0.009	0.009	10:17	0.012	0.014	-
10:18	0.008	0.009	10:18	0.013	0.014	-
10:19	0.007	0.008	10:19	0.013	0.014	-
10:20	0.007	0.008	10:20	0.012	0.014	-
10:21	0.007	0.008	10:21	0.012	0.013	-
10:22	0.006	0.008	10:22	0.013	0.013	-
10:23	0.008	0.008	10:23	0.013	0.013	-
10:24	0.009	0.008	10:24	0.014	0.013	-
10:25	0.034	0.010	10:25	0.021	0.014	-
10:26	0.015	0.010	10:26	0.020	0.014	-
10:27	0.007	0.010	10:27	0.018	0.014	-
10:28	0.007	0.010	10:28	0.016	0.014	-
10:29	0.009	0.010	10:29	0.014	0.015	-
10:30	0.015	0.011	10:30	0.023	0.015	-
10:31	0.017	0.011	10:31	0.030	0.016	-
10:32	0.020	0.012	10:32	0.017	0.017	-
10:33	0.005	0.012	10:33	0.013	0.017	-
10:34	0.006	0.011	10:34	0.012	0.017	-
10:35	0.005	0.011	10:35	0.011	0.016	-
10:36	0.005	0.011	10:36	0.011	0.016	-
10:37	0.006	0.011	10:37	0.011	0.016	-
10:38	0.005	0.011	10:38	0.011	0.016	-
10:39	0.006	0.011	10:39	0.011	0.016	-
10:40	0.009	0.009	10:40	0.011	0.015	-
10:41	0.005	0.008	10:41	0.012	0.015	-
10:42	0.005	0.008	10:42	0.011	0.014	-
10:43	0.005	0.008	10:43	0.011	0.014	-
10:44	0.005	0.008	10:44	0.013	0.014	-
10:45	0.004	0.007	10:45	0.011	0.013	-
10:46	0.004	0.006	10:46	0.011	0.012	-
10:47	0.008	0.006	10:47	0.011	0.011	-
10:48	0.008	0.006	10:48	0.011	0.011	-
10:49	0.075	0.010	10:49	0.011	0.011	-
10:50	0.018	0.011	10:50	0.011	0.011	-
10:51	0.008	0.011	10:51	0.013	0.011	-
10:52	0.005	0.011	10:52	0.014	0.012	-
10:53	0.006	0.011	10:53	0.014	0.012	-
10:54	0.006	0.011	10:54	0.011	0.012	-
10:55	0.005	0.011	10:55	0.011	0.012	-
10:56	0.005	0.011	10:56	0.011	0.012	-
10:57	0.005	0.011	10:57	0.011	0.012	-
10:58	0.006	0.011	10:58	0.011	0.012	-
10:59	0.006	0.011	10:59	0.012	0.012	-
11:00	0.005	0.011	11:00	0.012	0.012	-
11:01	0.005	0.011	11:01	0.011	0.012	-
11:02	0.005	0.011	11:02	0.010	0.012	-
11:03	0.005	0.011	11:03	0.011	0.012	-
11:04	0.004	0.006	11:04	0.010	0.012	-
11:05	0.004	0.005	11:05	0.010	0.011	-
11:06	0.005	0.005	11:06	0.010	0.011	-
11:07	0.008	0.005	11:07	0.010	0.011	-
11:08	0.007	0.005	11:08	0.010	0.011	-
11:09	0.010	0.006	11:09	0.013	0.011	-
11:10	0.009	0.006	11:10	0.014	0.011	-
11:11	0.008	0.006	11:11	0.012	0.011	-
11:12	0.007	0.006	11:12	0.013	0.011	-
11:13	0.006	0.006	11:13	0.016	0.012	-
11:14	0.008	0.006	11:14	0.015	0.012	-
11:15	0.007	0.007	11:15	0.014	0.012	-

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	
11:16	0.006	0.007	11:16	0.012	0.012	-
11:17	0.006	0.007	11:17	0.014	0.012	-
11:18	0.014	0.007	11:18	0.015	0.013	-
11:19	0.006	0.007	11:19	0.013	0.013	-
11:20	0.009	0.008	11:20	0.012	0.013	-
11:21	0.006	0.008	11:21	0.011	0.013	-
11:22	0.006	0.008	11:22	0.010	0.013	-
11:23	0.006	0.008	11:23	0.011	0.013	-
11:24	0.005	0.007	11:24	0.010	0.013	-
11:25	0.005	0.007	11:25	0.009	0.012	-
11:26	0.004	0.007	11:26	0.010	0.012	-
11:27	0.005	0.007	11:27	0.009	0.012	-
11:28	0.005	0.007	11:28	0.010	0.012	-
11:29	0.006	0.006	11:29	0.010	0.011	-
11:30	0.005	0.006	11:30	0.009	0.011	-
11:31	0.004	0.006	11:31	0.009	0.011	-
11:32	0.004	0.006	11:32	0.009	0.010	-
11:33	0.005	0.005	11:33	0.008	0.010	-
11:34	0.004	0.005	11:34	0.008	0.010	-
11:35	0.004	0.005	11:35	0.009	0.009	-
11:36	0.004	0.005	11:36	0.008	0.009	-
11:37	0.004	0.005	11:37	0.008	0.009	-
11:38	0.005	0.005	11:38	0.008	0.009	-
11:39	0.004	0.005	11:39	0.008	0.009	-
11:40	0.004	0.004	11:40	0.008	0.009	-
11:41	0.003	0.004	11:41	0.008	0.009	-
11:42	0.003	0.004	11:42	0.011	0.009	-
11:43	0.003	0.004	11:43	0.007	0.009	-
11:44	0.002	0.004	11:44	0.008	0.008	-
11:45	0.003	0.004	11:45	0.010	0.008	-
11:46	0.004	0.004	11:46	0.008	0.008	-
11:47	0.004	0.004	11:47	0.008	0.008	-
11:48	0.003	0.004	11:48	0.008	0.008	-
11:49	0.004	0.004	11:49	0.008	0.008	-
11:50	0.007	0.004	11:50	0.008	0.008	-
11:51	0.003	0.004	11:51	0.009	0.008	-
11:52	0.003	0.004	11:52	0.009	0.008	-
11:53	0.004	0.004	11:53	0.008	0.008	-
11:54	0.003	0.004	11:54	0.009	0.008	-
11:55	0.003	0.003	11:55	0.009	0.009	-
11:56	0.003	0.003	11:56	0.010	0.009	-
11:57	0.003	0.003	11:57	0.010	0.009	-
11:58	0.004	0.004	11:58	0.010	0.009	-
11:59	0.004	0.004	11:59	0.011	0.009	-
12:00	0.004	0.004	12:00	0.011	0.009	-
12:01	0.004	0.004	12:01	0.012	0.009	-
12:02	0.004	0.004	12:02	0.011	0.010	-
12:03	0.005	0.004	12:03	0.011	0.010	-
12:04	0.005	0.004	12:04	0.011	0.010	-
12:05	0.005	0.004	12:05	0.012	0.010	-
12:06	0.005	0.004	12:06	0.013	0.010	-
12:07	0.005	0.004	12:07	0.012	0.011	-
12:08	0.006	0.004	12:08	0.012	0.011	-
12:09	0.008	0.005	12:09	0.013	0.011	-
12:10	0.005	0.005	12:10	0.013	0.011	-
12:11	0.004	0.005	12:11	0.012	0.012	-
12:12	0.004	0.005	12:12	0.012	0.012	-
12:13	0.005	0.005	12:13	0.012	0.012	-
12:14	0.005	0.005	12:14	0.013	0.012	-
12:15	0.005	0.005	12:15	0.013	0.012	-
12:16	0.005	0.005	12:16	0.013	0.012	-
12:17	0.005	0.005	12:17	0.013	0.012	-
12:18	0.005	0.005	12:18	0.014	0.013	-
12:19	0.004	0.005	12:19	0.014	0.013	-
12:20	0.005	0.005	12:20	0.013	0.013	-
12:21	0.005	0.005	12:21	0.013	0.013	-
12:22	0.005	0.005	12:22	0.014	0.013	-
12:23	0.006	0.005	12:23	0.015	0.013	-

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	
12:24	0.005	0.005	12:24	0.015	0.013	-
12:25	0.005	0.005	12:25	0.017	0.014	-
12:26	0.006	0.005	12:26	0.015	0.014	-
12:27	0.006	0.005	12:27	0.015	0.014	-
12:28	0.005	0.005	12:28	0.015	0.014	-
12:29	0.006	0.005	12:29	0.015	0.014	-
12:30	0.007	0.005	12:30	0.014	0.014	-
12:31	0.005	0.005	12:31	0.015	0.014	-
12:32	0.005	0.005	12:32	0.015	0.015	-
12:33	0.005	0.005	12:33	0.015	0.015	-
12:34	0.006	0.005	12:34	0.017	0.015	-
12:35	0.006	0.006	12:35	0.016	0.015	-
12:36	0.005	0.006	12:36	0.017	0.015	-
12:37	0.005	0.006	12:37	0.017	0.016	-
12:38	0.006	0.006	12:38	0.017	0.016	-
12:39	0.005	0.006	12:39	0.017	0.016	-
12:40	0.006	0.006	12:40	0.016	0.016	-
12:41	0.006	0.006	12:41	0.018	0.016	-
12:42	0.005	0.006	12:42	0.016	0.016	-
12:43	0.005	0.006	12:43	0.017	0.016	-
12:44	0.005	0.005	12:44	0.015	0.016	-
12:45	0.005	0.005	12:45	0.016	0.016	-
12:46	0.005	0.005	12:46	0.016	0.016	-
12:47	0.005	0.005	12:47	0.016	0.016	-
12:48	0.005	0.005	12:48	0.016	0.016	-
12:49	0.006	0.005	12:49	0.016	0.016	-
12:50	0.005	0.005	12:50	0.017	0.016	-
12:51	0.006	0.005	12:51	0.017	0.016	-
12:52	0.019	0.006	12:52	0.017	0.016	-
12:53	0.006	0.006	12:53	0.019	0.017	-
12:54	0.006	0.006	12:54	0.018	0.017	-
12:55	0.006	0.006	12:55	0.018	0.017	-
12:56	0.005	0.006	12:56	0.018	0.017	-
12:57	0.005	0.006	12:57	0.017	0.017	-
12:58	0.005	0.006	12:58	0.017	0.017	-
12:59	0.006	0.006	12:59	0.018	0.017	-
13:00	0.006	0.006	13:00	0.018	0.017	-
13:01	0.006	0.006	13:01	0.018	0.017	-
13:02	0.007	0.007	13:02	0.018	0.017	-
13:03	0.006	0.007	13:03	0.018	0.018	-
13:04	0.007	0.007	13:04	0.018	0.018	-
13:05	0.007	0.007	13:05	0.018	0.018	-
13:06	0.006	0.007	13:06	0.019	0.018	-
13:07	0.005	0.006	13:07	0.018	0.018	-
13:08	0.006	0.006	13:08	0.020	0.018	-
13:09	0.008	0.006	13:09	0.021	0.018	-
13:10	0.008	0.006	13:10	0.020	0.018	-
13:11	0.009	0.006	13:11	0.019	0.018	-
13:12	0.008	0.007	13:12	0.020	0.019	-
13:13	0.008	0.007	13:13	0.020	0.019	-
13:14	0.009	0.007	13:14	0.020	0.019	-
13:15	0.009	0.007	13:15	0.021	0.019	-
13:16	0.008	0.007	13:16	0.021	0.019	-
13:17	0.008	0.007	13:17	0.020	0.020	-
13:18	0.008	0.008	13:18	0.020	0.020	-
13:19	0.008	0.008	13:19	0.020	0.020	-
13:20	0.009	0.008	13:20	0.021	0.020	-
13:21	0.008	0.008	13:21	0.021	0.020	-
13:22	0.010	0.008	13:22	0.021	0.020	-
13:23	0.007	0.008	13:23	0.020	0.020	-
13:24	0.007	0.008	13:24	0.019	0.020	-
13:25	0.008	0.008	13:25	0.021	0.020	-
13:26	0.007	0.008	13:26	0.021	0.020	-
13:27	0.006	0.008	13:27	0.020	0.020	-
13:28	0.006	0.008	13:28	0.019	0.020	-
13:29	0.007	0.008	13:29	0.019	0.020	-
13:30	0.006	0.008	13:30	0.019	0.020	-
13:31	0.006	0.007	13:31	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	
13:32	0.007	0.007	13:32	0.020	0.020	-
13:33	0.007	0.007	13:33	0.022	0.020	-
13:34	0.007	0.007	13:34	0.020	0.020	-
13:35	0.012	0.007	13:35	0.020	0.020	-
13:36	0.011	0.008	13:36	0.021	0.020	-
13:37	0.008	0.007	13:37	0.019	0.020	-
13:38	0.006	0.007	13:38	0.023	0.020	-
13:39	0.006	0.007	13:39	0.021	0.020	-
13:40	0.006	0.007	13:40	0.021	0.020	-
13:41	0.006	0.007	13:41	0.020	0.020	-
13:42	0.006	0.007	13:42	0.019	0.020	-
13:43	0.007	0.007	13:43	0.020	0.020	-
13:44	0.008	0.007	13:44	0.020	0.020	-
13:45	0.008	0.007	13:45	0.020	0.020	-
13:46	0.008	0.008	13:46	0.023	0.021	-
13:47	0.006	0.007	13:47	0.021	0.021	-
13:48	0.006	0.007	13:48	0.021	0.021	-
13:49	0.010	0.008	13:49	0.019	0.021	-
13:50	0.005	0.007	13:50	0.019	0.020	-
13:51	0.008	0.007	13:51	0.020	0.020	-
13:52	0.006	0.007	13:52	0.022	0.021	-
13:53	0.006	0.007	13:53	0.020	0.020	-
13:54	0.006	0.007	13:54	0.022	0.020	-
13:55	0.007	0.007	13:55	0.020	0.020	-
13:56	0.007	0.007	13:56	0.021	0.020	-
13:57	0.006	0.007	13:57	0.020	0.021	-
13:58	0.006	0.007	13:58	0.021	0.021	-
13:59	0.007	0.007	13:59	0.021	0.021	-
14:00	0.007	0.007	14:00	0.021	0.021	-
14:01	0.007	0.007	14:01	0.021	0.021	-
14:02	0.008	0.007	14:02	0.021	0.021	-
14:03	0.008	0.007	14:03	0.021	0.021	-
14:04	0.008	0.007	14:04	0.021	0.021	-
14:05	0.007	0.007	14:05	0.022	0.021	-
14:06	0.006	0.007	14:06	0.021	0.021	-
14:07	0.006	0.007	14:07	0.020	0.021	-
14:08	0.006	0.007	14:08	0.020	0.021	-
14:09	0.006	0.007	14:09	0.020	0.021	-
14:10	0.006	0.007	14:10	0.020	0.021	-
14:11	0.007	0.007	14:11	0.021	0.021	-
14:12	0.006	0.007	14:12	0.021	0.021	-
14:13	0.006	0.007	14:13	0.021	0.021	-
14:14	0.006	0.007	14:14	0.021	0.021	-
14:15	0.006	0.007	14:15	0.021	0.021	-
14:16	0.007	0.007	14:16	0.022	0.021	-
14:17	0.007	0.007	14:17	0.022	0.021	-
14:18	0.008	0.007	14:18	0.022	0.021	-
14:19	0.008	0.007	14:19	0.023	0.021	-
14:20	0.009	0.007	14:20	0.024	0.021	-
14:21	0.010	0.007	14:21	0.025	0.022	-
14:22	0.010	0.007	14:22	0.026	0.022	-
14:23	0.010	0.007	14:23	0.025	0.022	-
14:24	0.011	0.008	14:24	0.024	0.023	-
14:25	0.010	0.008	14:25	0.024	0.023	-
14:26	0.009	0.008	14:26	0.024	0.023	-
14:27	0.008	0.008	14:27	0.023	0.023	-
14:28	0.008	0.008	14:28	0.024	0.023	-
14:29	0.009	0.009	14:29	0.024	0.024	-
14:30	0.010	0.009	14:30	0.023	0.024	-
14:31	0.008	0.009	14:31	0.023	0.024	-
14:32	0.009	0.009	14:32	0.023	0.024	-
14:33	0.009	0.009	14:33	0.023	0.024	-
14:34	0.008	0.009	14:34	0.023	0.024	-
14:35	0.008	0.009	14:35	0.023	0.024	-
14:36	0.008	0.009	14:36	0.024	0.024	-
14:37	0.009	0.009	14:37	0.024	0.024	-
14:38	0.009	0.009	14:38	0.024	0.024	-
14:39	0.009	0.009	14:39	0.024	0.024	-

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	
14:40	0.009	0.009	14:40	0.024	0.024	-
14:41	0.008	0.009	14:41	0.024	0.024	-
14:42	0.008	0.009	14:42	0.023	0.024	-
14:43	0.008	0.009	14:43	0.022	0.023	-
14:44	0.008	0.009	14:44	0.022	0.023	-
14:45	0.008	0.008	14:45	0.022	0.023	-
14:46	0.007	0.008	14:46	0.023	0.023	-
14:47	0.009	0.008	14:47	0.022	0.023	-
14:48	0.008	0.008	14:48	0.022	0.023	-
14:49	0.007	0.008	14:49	0.022	0.023	-
14:50	0.008	0.008	14:50	0.022	0.023	-
14:51	0.010	0.008	14:51	0.021	0.023	-
14:52	0.009	0.008	14:52	0.021	0.023	-
14:53	0.008	0.008	14:53	0.021	0.022	-
14:54	0.008	0.008	14:54	0.021	0.022	-
14:55	0.008	0.008	14:55	0.020	0.022	-
14:56	0.009	0.008	14:56	0.021	0.022	-
14:57	0.008	0.008	14:57	0.020	0.021	-
14:58	0.008	0.008	14:58	0.020	0.021	-
14:59	0.008	0.008	14:59	0.021	0.021	-
15:00	0.008	0.008	15:00	0.021	0.021	-
15:01	0.009	0.008	15:01	0.020	0.021	-
15:02	0.009	0.008	15:02	0.020	0.021	-
15:03	0.008	0.008	15:03	0.019	0.021	-
15:04	0.008	0.008	15:04	0.019	0.020	-
15:05	0.008	0.008	15:05	0.024	0.021	-
15:06	0.008	0.008	15:06	0.019	0.020	-
15:07	0.007	0.008	15:07	0.018	0.020	-
15:08	0.009	0.008	15:08	0.018	0.020	-
15:09	0.009	0.008	15:09	0.018	0.020	-
15:10	0.008	0.008	15:10	0.017	0.020	-
15:11	0.009	0.008	15:11	0.018	0.019	-
15:12	0.009	0.008	15:12	0.017	0.019	-
15:13	0.009	0.008	15:13	0.018	0.019	-
15:14	0.009	0.008	15:14	0.018	0.019	-
15:15	0.009	0.009	15:15	0.017	0.019	-
15:16	0.008	0.008	15:16	0.017	0.018	-
15:17	0.008	0.008	15:17	0.017	0.018	-
15:18	0.009	0.008	15:18	0.017	0.018	-
15:19	0.009	0.009	15:19	0.018	0.018	-
15:20	0.009	0.009	15:20	0.020	0.018	-
15:21	0.008	0.009	15:21	0.017	0.018	-
15:22	0.008	0.009	15:22	0.017	0.018	-
15:23	0.008	0.009	15:23	0.018	0.018	-
15:24	0.009	0.009	15:24	0.017	0.018	-
15:25	0.009	0.009	15:25	0.017	0.018	-
15:26	0.008	0.009	15:26	0.017	0.017	-
15:27	0.008	0.009	15:27	0.017	0.017	-
15:28	0.009	0.009	15:28	0.017	0.017	-
15:29	0.009	0.009	15:29	0.017	0.017	-
15:30	0.012	0.009	15:30	0.017	0.017	-
15:31	0.010	0.009	15:31	0.017	0.017	-
15:32	0.008	0.009	15:32	0.018	0.017	-
15:33	0.008	0.009	15:33	0.018	0.017	-
15:34	0.008	0.009	15:34	0.018	0.017	-
15:35	0.008	0.009	15:35	0.017	0.017	-
15:36	0.009	0.009	15:36	0.018	0.017	-
15:37	0.008	0.009	15:37	0.018	0.017	-
15:38	0.008	0.009	15:38	0.017	0.017	-
15:39	0.009	0.009	15:39	0.017	0.017	-
15:40	0.009	0.009	15:40	0.017	0.017	-
15:41	0.009	0.009	15:41	0.018	0.017	-
15:42	0.009	0.009	15:42	0.019	0.018	-
15:43	0.009	0.009	15:43	0.020	0.018	-
15:44	0.009	0.009	15:44	0.019	0.018	-
15:45	0.010	0.009	15:45	0.019	0.018	-
15:46	0.010	0.009	15:46	0.018	0.018	-
15:47	0.010	0.009	15:47	0.019	0.018	-

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	
15:48	0.010	0.009	15:48	0.019	0.018	-
15:49	0.011	0.009	15:49	0.021	0.018	-
15:50	0.011	0.009	15:50	0.021	0.019	-
15:51	0.010	0.009	15:51	0.021	0.019	-
15:52	0.010	0.010	15:52	0.021	0.019	-
15:53	0.010	0.010	15:53	0.021	0.019	-
15:54	0.010	0.010	15:54	0.019	0.019	-
15:55	0.009	0.010	15:55	0.019	0.020	-
15:56	0.010	0.010	15:56	0.019	0.020	-
15:57	0.010	0.010	15:57	0.021	0.020	-
15:58	0.010	0.010	15:58	0.021	0.020	-
15:59	0.010	0.010	15:59	0.020	0.020	-
16:00	0.010	0.010	16:00	0.022	0.020	-
16:01	0.010	0.010	16:01	0.021	0.020	-
16:02	0.010	0.010	16:02	0.020	0.020	-
16:03	0.009	0.010	16:03	0.020	0.020	-
16:04	0.010	0.010	16:04	0.020	0.020	-
16:05	0.010	0.010	16:05	0.020	0.020	-
16:06	0.010	0.010	16:06	0.020	0.020	-
16:07	0.018	0.010	16:07	0.022	0.020	-
16:08	0.011	0.010	16:08	0.021	0.020	-
16:09	0.010	0.010	16:09	0.021	0.020	-
16:10	0.010	0.011	16:10	0.021	0.021	-
16:11	0.011	0.011	16:11	0.022	0.021	-
16:12	0.010	0.011	16:12	0.036	0.022	-
16:13	0.013	0.011	16:13	0.029	0.022	-
16:14	0.015	0.011	16:14	0.027	0.023	-
16:15	0.011	0.011	16:15	0.024	0.023	-
16:16	0.010	0.011	16:16	0.021	0.023	-
16:17	0.010	0.011	16:17	0.021	0.023	-
16:18	0.010	0.011	16:18	0.022	0.023	-
16:19	0.010	0.011	16:19	0.022	0.023	-
16:20	0.010	0.011	16:20	0.021	0.023	-
16:21	0.010	0.011	16:21	0.021	0.023	-
16:22	0.010	0.011	16:22	0.020	0.023	-
16:23	0.009	0.011	16:23	0.020	0.023	-
16:24	0.009	0.011	16:24	0.021	0.023	-
16:25	0.009	0.010	16:25	0.020	0.023	-
16:26	0.010	0.010	16:26	0.021	0.023	-
16:27	0.011	0.010	16:27	0.022	0.022	-
16:28	0.010	0.010	16:28	0.021	0.022	-
16:29	0.010	0.010	16:29	0.020	0.021	-
16:30	0.010	0.010	16:30	0.022	0.021	-
16:31	0.010	0.010	16:31	0.023	0.021	-
16:32	0.010	0.010	16:32	0.025	0.021	-
16:33	0.010	0.010	16:33	0.023	0.021	-
16:34	0.011	0.010	16:34	0.024	0.022	-
16:35	0.012	0.010	16:35	0.025	0.022	-
16:36	0.011	0.010	16:36	0.025	0.022	-
16:37	0.009	0.010	16:37	0.023	0.022	-
16:38	0.008	0.010	16:38	0.021	0.022	-
16:39	0.008	0.010	16:39	0.020	0.022	-
16:40	0.008	0.010	16:40	0.021	0.022	-
16:41	0.011	0.010	16:41	0.021	0.022	-
16:42	0.009	0.010	16:42	0.021	0.022	-
16:43	0.008	0.010	16:43	0.021	0.022	-
16:44	0.009	0.010	16:44	0.023	0.023	-
16:45	0.009	0.010	16:45	0.022	0.023	-
16:46	0.008	0.009	16:46	0.020	0.022	-
16:47	0.008	0.009	16:47	0.020	0.022	-
16:48	0.008	0.009	16:48	0.020	0.022	-
16:49	0.008	0.009	16:49	0.020	0.022	-
16:50	0.008	0.009	16:50	0.021	0.021	-
16:51	0.009	0.009	16:51	0.020	0.021	-
16:52	0.009	0.009	16:52	0.020	0.021	-
16:53	0.009	0.009	16:53	0.020	0.021	-
16:54	0.008	0.009	16:54	0.020	0.021	-
16:55	0.009	0.009	16:55	0.024	0.021	-

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	
16:56	0.009	0.009	16:56	0.021	0.021	-
16:57	0.010	0.009	16:57	0.024	0.021	-
16:58	0.010	0.009	16:58	0.023	0.021	-
16:59	0.009	0.009	16:59	0.020	0.021	-
17:00	0.008	0.009	17:00	0.020	0.021	-
17:01	0.009	0.009	17:01	0.020	0.021	-
17:02	0.008	0.009	17:02	0.020	0.021	-
17:03	0.008	0.009	17:03	0.020	0.021	-
17:04	0.008	0.009	17:04	0.020	0.021	-
17:05	0.008	0.009	17:05	0.020	0.021	-
17:06	0.009	0.009	17:06	0.020	0.021	-
17:07	0.009	0.009	17:07	0.021	0.021	-
17:08	0.009	0.009	17:08	0.021	0.021	-
17:09	0.009	0.009	17:09	0.021	0.021	-
17:10	0.009	0.009	17:10	0.021	0.021	-
17:11	0.009	0.009	17:11	0.021	0.021	-
17:12	0.009	0.009	17:12	0.022	0.021	-
17:13	0.009	0.009	17:13	0.022	0.021	-
17:14	0.009	0.009	17:14	0.021	0.021	-
17:15	0.009	0.009	17:15	0.021	0.021	-
17:16	0.009	0.009	17:16	0.021	0.021	-
17:17	0.009	0.009	17:17	0.021	0.021	-
17:18	0.008	0.009	17:18	0.021	0.021	-
17:19	0.008	0.009	17:19	0.021	0.021	-
17:20	0.008	0.009	17:20	0.023	0.021	-
17:21	0.009	0.009	17:21	0.024	0.021	-
17:22	0.009	0.009	17:22			
17:23	0.009	0.009	17:23			
17:24	0.009	0.009	17:24			
17:25	0.008	0.009	17:25			
17:26	0.009	0.009	17:26			
17:27	0.008	0.009	17:27			

March 8, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						549
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:55	0.0		7:55			
7:56	0.0		7:56			
7:57	0.0		7:57			
7:58	0.0		7:58			
7:59	0.0		7:59	0.2		
8:00	0.0		8:00	0.2		
8:01	0.0		8:01	0.2		
8:02	0.0		8:02	0.2		
8:03	0.0		8:03	0.3		
8:04	0.0		8:04	0.3		
8:05	0.0		8:05	0.3		
8:06	0.0		8:06	0.3		
8:07	0.0		8:07	0.3		
8:08	0.0		8:08	0.3		
8:09	0.0	0.0	8:09	0.3		
8:10	0.0	0.0	8:10	0.3		
8:11	0.0	0.0	8:11	0.3		
8:12	0.0	0.0	8:12	0.3		
8:13	0.0	0.0	8:13	0.3	0.3	-
8:14	0.0	0.0	8:14	0.3	0.3	-
8:15	0.0	0.0	8:15	0.3	0.3	-
8:16	0.0	0.0	8:16	0.3	0.3	-
8:17	0.0	0.0	8:17	0.3	0.3	-
8:18	0.0	0.0	8:18	0.3	0.3	-
8:19	0.0	0.0	8:19	0.3	0.3	-
8:20	0.0	0.0	8:20	0.3	0.3	-
8:21	0.0	0.0	8:21	0.3	0.3	-
8:22	0.0	0.0	8:22	0.3	0.3	-
8:23	0.0	0.0	8:23	0.3	0.3	-
8:24	0.0	0.0	8:24	0.3	0.3	-
8:25	0.0	0.0	8:25	0.3	0.3	-
8:26	0.0	0.0	8:26	0.3	0.3	-
8:27	0.0	0.0	8:27	0.4	0.3	-
8:28	0.0	0.0	8:28	0.3	0.3	-
8:29	0.0	0.0	8:29	0.3	0.3	-
8:30	0.0	0.0	8:30	0.4	0.3	-
8:31	0.0	0.0	8:31	0.4	0.3	-
8:32	0.0	0.0	8:32	0.3	0.3	-
8:33	0.0	0.0	8:33	0.4	0.3	-
8:34	0.0	0.0	8:34	0.4	0.3	-
8:35	0.0	0.0	8:35	0.4	0.3	-
8:36	0.0	0.0	8:36	0.4	0.3	-
8:37	0.0	0.0	8:37	0.4	0.4	-
8:38	0.0	0.0	8:38	0.4	0.4	-
8:39	0.0	0.0	8:39	0.4	0.4	-
8:40	0.0	0.0	8:40	0.4	0.4	-
8:41	0.0	0.0	8:41	0.4	0.4	-
8:42	0.0	0.0	8:42	0.4	0.4	-
8:43	0.0	0.0	8:43	0.4	0.4	-
8:44	0.0	0.0	8:44	0.4	0.4	-
8:45	0.0	0.0	8:45	0.4	0.4	-
8:46	0.0	0.0	8:46	0.4	0.4	-
8:47	0.0	0.0	8:47	0.4	0.4	-
8:48	0.0	0.0	8:48	0.4	0.4	-
8:49	0.0	0.0	8:49	0.4	0.4	-
8:50	0.0	0.0	8:50	0.4	0.4	-
8:51	0.0	0.0	8:51	0.4	0.4	-
8:52	0.0	0.0	8:52	0.4	0.4	-
8:53	0.0	0.0	8:53	0.4	0.4	-
8:54	0.0	0.0	8:54	0.4	0.4	-
8:55	0.0	0.0	8:55	0.4	0.4	-
8:56	0.0	0.0	8:56	0.4	0.4	-
8:57	0.0	0.0	8:57	0.4	0.4	-
8:58	0.0	0.0	8:58	0.4	0.4	-
8:59	0.0	0.0	8:59	0.4	0.4	-
9:00	0.0	0.0	9:00	0.4	0.4	-
9:01	0.0	0.0	9:01	0.4	0.4	-
9:02	0.0	0.0	9:02	0.4	0.4	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:03	0.0	0.0	9:03	0.4	0.4	-
9:04	0.0	0.0	9:04	0.4	0.4	-
9:05	0.0	0.0	9:05	0.4	0.4	-
9:06	0.0	0.0	9:06	0.4	0.4	-
9:07	0.0	0.0	9:07	0.4	0.4	-
9:10	0.0	0.0	9:10	0.4	0.4	-
9:11	0.0	0.0	9:11	0.4	0.4	-
9:12	0.0	0.0	9:12	0.4	0.4	-
9:13	0.0	0.0	9:13	0.4	0.4	-
9:14	0.0	0.0	9:14	0.4	0.4	-
9:15	0.0	0.0	9:15	0.4	0.4	-
9:16	0.0	0.0	9:16	0.4	0.4	-
9:17	0.0	0.0	9:17	0.4	0.4	-
9:18	0.0	0.0	9:18	0.4	0.4	-
9:19	0.0	0.0	9:19	0.4	0.4	-
9:20	0.0	0.0	9:20	0.4	0.4	-
9:21	0.0	0.0	9:21	0.4	0.4	-
9:22	0.0	0.0	9:22	0.4	0.4	-
9:23	0.0	0.0	9:23	0.4	0.4	-
9:24	0.0	0.0	9:24	0.4	0.4	-
9:25	0.0	0.0	9:25	0.4	0.4	-
9:26	0.0	0.0	9:26	0.4	0.4	-
9:27	0.0	0.0	9:27	0.4	0.4	-
9:28	0.0	0.0	9:28	0.4	0.4	-
9:29	0.0	0.0	9:29	0.4	0.4	-
9:30	0.0	0.0	9:30	0.4	0.4	-
9:31	0.0	0.0	9:31	0.4	0.4	-
9:32	0.0	0.0	9:32	0.4	0.4	-
9:33	0.0	0.0	9:33	0.4	0.4	-
9:34	0.0	0.0	9:34	0.4	0.4	-
9:35	0.0	0.0	9:35	0.4	0.4	-
9:36	0.0	0.0	9:36	0.4	0.4	-
9:37	0.0	0.0	9:37	0.4	0.4	-
9:38	0.0	0.0	9:38	0.4	0.4	-
9:39	0.0	0.0	9:39	0.4	0.4	-
9:40	0.0	0.0	9:40	0.4	0.4	-
9:41	0.0	0.0	9:41	0.4	0.4	-
9:42	0.0	0.0	9:42	0.4	0.4	-
9:43	0.0	0.0	9:43	0.4	0.4	-
9:44	0.0	0.0	9:44	0.4	0.4	-
9:45	0.0	0.0	9:45	0.4	0.4	-
9:46	0.0	0.0	9:46	0.4	0.4	-
9:47	0.1	0.0	9:47	0.4	0.4	-
9:48	0.0	0.0	9:48	0.4	0.4	-
9:49	0.0	0.0	9:49	0.5	0.4	-
9:50	0.0	0.0	9:50	0.4	0.4	-
9:51	0.0	0.0	9:51	0.4	0.4	-
9:52	0.0	0.0	9:52	0.4	0.4	-
9:53	0.0	0.0	9:53	0.4	0.4	-
9:54	0.0	0.0	9:54	0.5	0.4	-
9:55	0.1	0.0	9:55	0.4	0.4	-
9:56	0.0	0.0	9:56	0.4	0.4	-
9:57	0.0	0.0	9:57	0.4	0.4	-
9:58	0.0	0.0	9:58	0.4	0.4	-
9:59	0.0	0.0	9:59	0.4	0.4	-
10:00	0.0	0.0	10:00	0.4	0.4	-
10:01	0.0	0.0	10:01	0.4	0.4	-
10:02	0.0	0.0	10:02	0.5	0.4	-
10:03	0.0	0.0	10:03	0.4	0.4	-
10:04	0.0	0.0	10:04	0.4	0.4	-
10:05	0.0	0.0	10:05	0.5	0.4	-
10:06	0.0	0.0	10:06	0.4	0.4	-
10:07	0.0	0.0	10:07	0.4	0.4	-
10:08	0.0	0.0	10:08	0.4	0.4	-
10:09	0.0	0.0	10:09	0.4	0.4	-
10:10	0.0	0.0	10:10	0.4	0.4	-
10:11	0.0	0.0	10:11	0.4	0.4	-
10:12	0.0	0.0	10:12	0.4	0.4	-
10:13	0.0	0.0	10:13	0.4	0.4	-
10:14	0.0	0.0	10:14	0.5	0.4	-
10:15	0.0	0.0	10:15	0.4	0.4	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:16	0.0	0.0	10:16	0.4	0.4	-
10:17	0.0	0.0	10:17	0.4	0.4	-
10:18	0.0	0.0	10:18	0.5	0.4	-
10:19	0.0	0.0	10:19	0.4	0.4	-
10:20	0.0	0.0	10:20	0.4	0.4	-
10:21	0.0	0.0	10:21	0.4	0.4	-
10:22	0.0	0.0	10:22	0.4	0.4	-
10:23	0.0	0.0	10:23	0.4	0.4	-
10:24	0.0	0.0	10:24	0.5	0.4	-
10:25	0.0	0.0	10:25	0.4	0.4	-
10:26	0.0	0.0	10:26	0.5	0.4	-
10:27	0.0	0.0	10:27	0.4	0.4	-
10:28	0.0	0.0	10:28	0.4	0.4	-
10:29	0.0	0.0	10:29	0.4	0.4	-
10:30	0.0	0.0	10:30	0.4	0.4	-
10:31	0.0	0.0	10:31	0.4	0.4	-
10:32	0.0	0.0	10:32	0.4	0.4	-
10:33	0.0	0.0	10:33	0.4	0.4	-
10:34	0.0	0.0	10:34	0.4	0.4	-
10:35	0.0	0.0	10:35	0.5	0.4	-
10:36	0.0	0.0	10:36	0.4	0.4	-
10:37	0.0	0.0	10:37	0.4	0.4	-
10:38	0.0	0.0	10:38	0.4	0.4	-
10:39	0.1	0.0	10:39	0.4	0.4	-
10:40	0.0	0.0	10:40	0.4	0.4	-
10:41	0.0	0.0	10:41	0.4	0.4	-
10:42	0.0	0.0	10:42	0.4	0.4	-
10:43	0.0	0.0	10:43	0.4	0.4	-
10:44	0.0	0.0	10:44	0.4	0.4	-
10:45	0.0	0.0	10:45	0.4	0.4	-
10:46	0.0	0.0	10:46	0.4	0.4	-
10:47	0.0	0.0	10:47	0.4	0.4	-
10:48	0.0	0.0	10:48	0.4	0.4	-
10:49	0.0	0.0	10:49	0.4	0.4	-
10:50	0.0	0.0	10:50	0.4	0.4	-
10:51	0.0	0.0	10:51	0.4	0.4	-
10:52	0.0	0.0	10:52	0.4	0.4	-
10:53	0.0	0.0	10:53	0.4	0.4	-
10:54	0.0	0.0	10:54	0.4	0.4	-
10:55	0.0	0.0	10:55	0.4	0.4	-
10:56	0.0	0.0	10:56	0.4	0.4	-
10:57	0.0	0.0	10:57	0.4	0.4	-
10:58	0.0	0.0	10:58	0.4	0.4	-
10:59	0.0	0.0	10:59	0.4	0.4	-
11:00	0.0	0.0	11:00	0.4	0.4	-
11:01	0.0	0.0	11:01	0.4	0.4	-
11:02	0.0	0.0	11:02	0.4	0.4	-
11:03	0.0	0.0	11:03	0.4	0.4	-
11:04	0.0	0.0	11:04	0.4	0.4	-
11:05	0.0	0.0	11:05	0.4	0.4	-
11:06	0.0	0.0	11:06	0.4	0.4	-
11:07	0.0	0.0	11:07	0.4	0.4	-
11:08	0.0	0.0	11:08	0.4	0.4	-
11:09	0.0	0.0	11:09	0.4	0.4	-
11:10	0.0	0.0	11:10	0.4	0.4	-
11:11	0.0	0.0	11:11	0.4	0.4	-
11:12	0.0	0.0	11:12	0.4	0.4	-
11:13	0.0	0.0	11:13	0.4	0.4	-
11:14	0.0	0.0	11:14	0.4	0.4	-
11:15	0.0	0.0	11:15	0.4	0.4	-
11:16	0.0	0.0	11:16	0.4	0.4	-
11:17	0.0	0.0	11:17	0.4	0.4	-
11:18	0.0	0.0	11:18	0.4	0.4	-
11:19	0.0	0.0	11:19	0.4	0.4	-
11:20	0.0	0.0	11:20	0.4	0.4	-
11:21	0.0	0.0	11:21	0.4	0.4	-
11:22	0.0	0.0	11:22	0.4	0.4	-
11:23	0.0	0.0	11:23	0.4	0.4	-
11:24	0.0	0.0	11:24	0.4	0.4	-
11:25	0.0	0.0	11:25	0.4	0.4	-
11:26	0.0	0.0	11:26	0.4	0.4	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:27	0.0	0.0	11:27	0.4	0.4	-
11:28	0.0	0.0	11:28	0.4	0.4	-
11:29	0.0	0.0	11:29	0.4	0.4	-
11:30	0.0	0.0	11:30	0.4	0.4	-
11:31	0.0	0.0	11:31	0.4	0.4	-
11:32	0.0	0.0	11:32	0.4	0.4	-
11:33	0.0	0.0	11:33	0.4	0.4	-
11:34	0.0	0.0	11:34	0.4	0.4	-
11:35	0.0	0.0	11:35	0.4	0.4	-
11:36	0.0	0.0	11:36	0.4	0.4	-
11:37	0.0	0.0	11:37	0.4	0.4	-
11:38	0.0	0.0	11:38	0.4	0.4	-
11:39	0.0	0.0	11:39	0.4	0.4	-
11:40	0.0	0.0	11:40	0.4	0.4	-
11:41	0.0	0.0	11:41	0.4	0.4	-
11:42	0.0	0.0	11:42	0.4	0.4	-
11:43	0.0	0.0	11:43	0.4	0.4	-
11:44	0.0	0.0	11:44	0.4	0.4	-
11:45	0.0	0.0	11:45	0.3	0.4	-
11:46	0.0	0.0	11:46	0.4	0.4	-
11:47	0.0	0.0	11:47	0.3	0.4	-
11:48	0.0	0.0	11:48	0.3	0.4	-
11:49	0.0	0.0	11:49	0.3	0.4	-
11:50	0.0	0.0	11:50	0.3	0.4	-
11:51	0.0	0.0	11:51	0.3	0.4	-
11:52	0.0	0.0	11:52	0.3	0.4	-
11:53	0.0	0.0	11:53	0.4	0.4	-
11:54	0.0	0.0	11:54	0.3	0.3	-
11:55	0.0	0.0	11:55	0.3	0.3	-
11:56	0.0	0.0	11:56	0.3	0.3	-
11:57	0.0	0.0	11:57	0.4	0.3	-
11:58	0.0	0.0	11:58	0.4	0.3	-
11:59	0.0	0.0	11:59	0.3	0.3	-
12:00	0.0	0.0	12:00	0.3	0.3	-
12:01	0.0	0.0	12:01	0.4	0.3	-
12:02	0.0	0.0	12:02	0.4	0.3	-
12:03	0.0	0.0	12:03	0.4	0.3	-
12:04	0.0	0.0	12:04	0.4	0.3	-
12:05	0.0	0.0	12:05	0.4	0.4	-
12:06	0.0	0.0	12:06	0.4	0.4	-
12:07	0.0	0.0	12:07	0.4	0.4	-
12:08	0.0	0.0	12:08	0.4	0.4	-
12:09	0.0	0.0	12:09	0.4	0.4	-
12:10	0.0	0.0	12:10	0.4	0.4	-
12:11	0.0	0.0	12:11	0.4	0.4	-
12:12	0.0	0.0	12:12	0.4	0.4	-
12:13	0.0	0.0	12:13	0.4	0.4	-
12:14	0.0	0.0	12:14	0.4	0.4	-
12:15	0.0	0.0	12:15	0.4	0.4	-
12:16	0.0	0.0	12:16	0.4	0.4	-
12:17	0.0	0.0	12:17	0.5	0.4	-
12:18	0.0	0.0	12:18	0.4	0.4	-
12:19	0.0	0.0	12:19	0.4	0.4	-
12:20	0.0	0.0	12:20	0.4	0.4	-
12:21	0.0	0.0	12:21	0.5	0.4	-
12:22	0.0	0.0	12:22	0.4	0.4	-
12:23	0.0	0.0	12:23	0.4	0.4	-
12:24	0.0	0.0	12:24	0.5	0.4	-
12:25	0.0	0.0	12:25	0.5	0.4	-
12:26	0.0	0.0	12:26	0.5	0.4	-
12:27	0.0	0.0	12:27	0.5	0.4	-
12:28	0.0	0.0	12:28	0.5	0.4	-
12:29	0.0	0.0	12:29	0.5	0.5	-
12:30	0.0	0.0	12:30	0.6	0.5	-
12:31	0.0	0.0	12:31	0.6	0.5	-
12:32	0.0	0.0	12:32	0.5	0.5	-
12:33	0.0	0.0	12:33	0.5	0.5	-
12:34	0.0	0.0	12:34	0.5	0.5	-
12:35	0.0	0.0	12:35	0.5	0.5	-
12:36	0.0	0.0	12:36	0.5	0.5	-
12:37	0.0	0.0	12:37	0.5	0.5	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:38	0.0	0.0	12:38	0.5	0.5	-
12:39	0.0	0.0	12:39	0.5	0.5	-
12:40	0.0	0.0	12:40	0.6	0.5	-
12:41	0.0	0.0	12:41	0.5	0.5	-
12:42	0.0	0.0	12:42	0.5	0.5	-
12:43	0.0	0.0	12:43	0.5	0.5	-
12:44	0.0	0.0	12:44	0.5	0.5	-
12:45	0.0	0.0	12:45	0.5	0.5	-
12:46	0.0	0.0	12:46	0.6	0.5	-
12:47	0.0	0.0	12:47	0.5	0.5	-
12:48	0.0	0.0	12:48	0.6	0.5	-
12:49	0.0	0.0	12:49	0.6	0.5	-
12:50	0.0	0.0	12:50	0.6	0.5	-
12:51	0.0	0.0	12:51	0.6	0.5	-
12:52	0.0	0.0	12:52	0.6	0.5	-
12:53	0.0	0.0	12:53	0.6	0.6	-
12:54	0.0	0.0	12:54	0.6	0.6	-
12:55	0.0	0.0	12:55	0.6	0.6	-
12:56	0.0	0.0	12:56	0.6	0.6	-
12:57	0.0	0.0	12:57	0.6	0.6	-
12:58	0.0	0.0	12:58	0.6	0.6	-
12:59	0.0	0.0	12:59	0.6	0.6	-
13:00	0.0	0.0	13:00	0.6	0.6	-
13:01	0.0	0.0	13:01	0.6	0.6	-
13:02	0.0	0.0	13:02	0.6	0.6	-
13:03	0.0	0.0	13:03	0.6	0.6	-
13:04	0.0	0.0	13:04	0.6	0.6	-
13:05	0.0	0.0	13:05	0.6	0.6	-
13:06	0.0	0.0	13:06	0.6	0.6	-
13:07	0.0	0.0	13:07	0.6	0.6	-
13:08	0.0	0.0	13:08	0.6	0.6	-
13:09	0.0	0.0	13:09	0.6	0.6	-
13:10	0.0	0.0	13:10	0.6	0.6	-
13:11	0.0	0.0	13:11	0.6	0.6	-
13:12	0.0	0.0	13:12	0.6	0.6	-
13:13	0.0	0.0	13:13	0.6	0.6	-
13:14	0.0	0.0	13:14	0.6	0.6	-
13:15	0.0	0.0	13:15	0.6	0.6	-
13:16	0.0	0.0	13:16	0.6	0.6	-
13:17	0.0	0.0	13:17	0.6	0.6	-
13:18	0.0	0.0	13:18	0.6	0.6	-
13:19	0.0	0.0	13:19	0.6	0.6	-
13:20	0.0	0.0	13:20	0.6	0.6	-
13:21	0.0	0.0	13:21	0.6	0.6	-
13:22	0.0	0.0	13:22	0.6	0.6	-
13:23	0.0	0.0	13:23	0.6	0.6	-
13:24	0.0	0.0	13:24	0.7	0.6	-
13:25	0.0	0.0	13:25	0.6	0.6	-
13:26	0.0	0.0	13:26	0.6	0.6	-
13:27	0.0	0.0	13:27	0.6	0.6	-
13:28	0.0	0.0	13:28	0.6	0.6	-
13:29	0.0	0.0	13:29	0.6	0.6	-
13:30	0.0	0.0	13:30	0.7	0.6	-
13:31	0.0	0.0	13:31	0.6	0.6	-
13:32	0.0	0.0	13:32	0.6	0.6	-
13:33	0.0	0.0	13:33	0.7	0.6	-
13:34	0.0	0.0	13:34	0.6	0.6	-
13:35	0.0	0.0	13:35	0.6	0.6	-
13:36	0.0	0.0	13:36	0.6	0.6	-
13:37	0.0	0.0	13:37	0.6	0.6	-
13:38	0.0	0.0	13:38	0.6	0.6	-
13:39	0.0	0.0	13:39	0.6	0.6	-
13:40	0.0	0.0	13:40	0.6	0.6	-
13:41	0.0	0.0	13:41	0.6	0.6	-
13:42	0.0	0.0	13:42	0.7	0.6	-
13:43	0.0	0.0	13:43	0.6	0.6	-
13:44	0.0	0.0	13:44	0.7	0.6	-
13:45	0.0	0.0	13:45	0.7	0.6	-
13:46	0.0	0.0	13:46	0.7	0.6	-
13:47	0.0	0.0	13:47	0.7	0.6	-
13:48	0.0	0.0	13:48	0.7	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:49	0.0	0.0	13:49	0.7	0.6	-
13:50	0.0	0.0	13:50	0.7	0.7	-
13:51	0.0	0.0	13:51	0.7	0.7	-
13:52	0.0	0.0	13:52	0.7	0.7	-
13:53	0.0	0.0	13:53	0.7	0.7	-
13:54	0.0	0.0	13:54	0.7	0.7	-
13:55	0.0	0.0	13:55	0.7	0.7	-
13:56	0.0	0.0	13:56	0.7	0.7	-
13:57	0.0	0.0	13:57	0.7	0.7	-
13:58	0.0	0.0	13:58	0.7	0.7	-
13:59	0.0	0.0	13:59	0.7	0.7	-
14:00	0.0	0.0	14:00	0.7	0.7	-
14:01	0.0	0.0	14:01	0.7	0.7	-
14:02	0.0	0.0	14:02	0.7	0.7	-
14:03	0.0	0.0	14:03	0.7	0.7	-
14:04	0.0	0.0	14:04	0.7	0.7	-
14:05	0.0	0.0	14:05	0.7	0.7	-
14:06	0.0	0.0	14:06	0.7	0.7	-
14:07	0.0	0.0	14:07	0.7	0.7	-
14:08	0.0	0.0	14:08	0.7	0.7	-
14:09	0.0	0.0	14:09	0.7	0.7	-
14:10	0.0	0.0	14:10	0.7	0.7	-
14:11	0.0	0.0	14:11	0.7	0.7	-
14:12	0.0	0.0	14:12	0.7	0.7	-
14:13	0.0	0.0	14:13	0.8	0.7	-
14:14	0.0	0.0	14:14	0.7	0.7	-
14:15	0.0	0.0	14:15	0.7	0.7	-
14:16	0.0	0.0	14:16	0.7	0.7	-
14:17	0.0	0.0	14:17	0.7	0.7	-
14:18	0.0	0.0	14:18	0.7	0.7	-
14:19	0.0	0.0	14:19	0.7	0.7	-
14:20	0.0	0.0	14:20	0.7	0.7	-
14:21	0.0	0.0	14:21	0.7	0.7	-
14:22	0.0	0.0	14:22	0.8	0.7	-
14:23	0.0	0.0	14:23	0.7	0.7	-
14:24	0.0	0.0	14:24	0.8	0.7	-
14:25	0.0	0.0	14:25	0.8	0.7	-
14:26	0.0	0.0	14:26	0.8	0.7	-
14:27	0.0	0.0	14:27	0.8	0.7	-
14:28	0.0	0.0	14:28	0.7	0.7	-
14:29	0.1	0.0	14:29	0.7	0.7	-
14:30	0.0	0.0	14:30	0.7	0.7	-
14:31	0.0	0.0	14:31	0.7	0.7	-
14:32	0.0	0.0	14:32	0.7	0.7	-
14:33	0.0	0.0	14:33	0.8	0.7	-
14:34	0.0	0.0	14:34	0.7	0.7	-
14:35	0.0	0.0	14:35	0.7	0.7	-
14:36	0.0	0.0	14:36	0.8	0.7	-
14:37	0.0	0.0	14:37	0.7	0.7	-
14:38	0.0	0.0	14:38	0.7	0.7	-
14:39	0.0	0.0	14:39	0.8	0.7	-
14:40	0.0	0.0	14:40	0.8	0.7	-
14:41	0.0	0.0	14:41	0.8	0.7	-
14:42	0.0	0.0	14:42	0.8	0.7	-
14:43	0.0	0.0	14:43	0.7	0.7	-
14:44	0.0	0.0	14:44	0.8	0.7	-
14:45	0.0	0.0	14:45	0.7	0.7	-
14:46	0.0	0.0	14:46	0.7	0.7	-
14:47	0.0	0.0	14:47	0.7	0.7	-
14:48	0.0	0.0	14:48	0.7	0.7	-
14:49	0.0	0.0	14:49	0.7	0.7	-
14:50	0.0	0.0	14:50	0.8	0.7	-
14:51	0.0	0.0	14:51	0.7	0.7	-
14:52	0.0	0.0	14:52	0.7	0.7	-
14:53	0.0	0.0	14:53	0.7	0.7	-
14:54	0.0	0.0	14:54	0.7	0.7	-
14:55	0.0	0.0	14:55	0.8	0.7	-
14:56	0.0	0.0	14:56	0.7	0.7	-
14:57	0.0	0.0	14:57	0.7	0.7	-
14:58	0.0	0.0	14:58	0.7	0.7	-
14:59	0.0	0.0	14:59	0.7	0.7	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:00	0.0	0.0	15:00	0.7	0.7	-
15:01	0.0	0.0	15:01	0.7	0.7	-
15:02	0.0	0.0	15:02	0.7	0.7	-
15:03	0.0	0.0	15:03	0.7	0.7	-
15:04	0.0	0.0	15:04	0.7	0.7	-
15:05	0.0	0.0	15:05	0.7	0.7	-
15:06	0.0	0.0	15:06	0.7	0.7	-
15:07	0.0	0.0	15:07	0.7	0.7	-
15:08	0.0	0.0	15:08	0.7	0.7	-
15:09	0.0	0.0	15:09	0.7	0.7	-
15:10	0.0	0.0	15:10	0.7	0.7	-
15:11	0.0	0.0	15:11	0.7	0.7	-
15:12	0.0	0.0	15:12	0.7	0.7	-
15:13	0.0	0.0	15:13	0.7	0.7	-
15:14	0.0	0.0	15:14	0.7	0.7	-
15:15	0.0	0.0	15:15	0.7	0.7	-
15:16	0.0	0.0	15:16	0.7	0.7	-
15:17	0.0	0.0	15:17	0.7	0.7	-
15:18	0.0	0.0	15:18	0.7	0.7	-
15:19	0.0	0.0	15:19	0.7	0.7	-
15:20	0.0	0.0	15:20	0.7	0.7	-
15:21	0.0	0.0	15:21	0.6	0.7	-
15:22	0.0	0.0	15:22	0.6	0.7	-
15:23	0.0	0.0	15:23	0.8	0.7	-
15:24	0.0	0.0	15:24	0.7	0.7	-
15:25	0.0	0.0	15:25	0.6	0.7	-
15:26	0.0	0.0	15:26	0.7	0.7	-
15:27	0.0	0.0	15:27	0.6	0.7	-
15:28	0.0	0.0	15:28	0.6	0.7	-
15:29	0.0	0.0	15:29	0.6	0.7	-
15:30	0.0	0.0	15:30	0.6	0.7	-
15:31	0.0	0.0	15:31	0.6	0.7	-
15:32	0.1	0.0	15:32	0.6	0.6	-
15:33	0.0	0.0	15:33	0.6	0.6	-
15:34	0.0	0.0	15:34	0.9	0.7	-
15:35	0.0	0.0	15:35	0.7	0.7	-
15:36	0.0	0.0	15:36	0.6	0.7	-
15:37	0.0	0.0	15:37	0.6	0.7	-
15:38	0.0	0.0	15:38	0.6	0.6	-
15:39	0.0	0.0	15:39	0.6	0.6	-
15:40	0.1	0.0	15:40	0.6	0.6	-
15:41	0.0	0.0	15:41	0.6	0.6	-
15:42	0.0	0.0	15:42	0.6	0.6	-
15:43	0.0	0.0	15:43	0.6	0.6	-
15:44	0.0	0.0	15:44	0.6	0.6	-
15:45	0.0	0.0	15:45	0.6	0.6	-
15:46	0.1	0.0	15:46	0.6	0.6	-
15:47	0.0	0.0	15:47	0.6	0.6	-
15:48	0.1	0.0	15:48	0.6	0.6	-
15:49	0.1	0.0	15:49	0.6	0.6	-
15:50	0.1	0.0	15:50	0.6	0.6	-
15:51	0.1	0.0	15:51	0.6	0.6	-
15:52	0.1	0.0	15:52	0.6	0.6	-
15:53	0.0	0.0	15:53	0.6	0.6	-
15:54	0.0	0.0	15:54	0.6	0.6	-
15:55	0.0	0.0	15:55	0.6	0.6	-
15:56	0.1	0.0	15:56	0.6	0.6	-
15:57	0.1	0.1	15:57	0.6	0.6	-
15:58	0.0	0.1	15:58	0.6	0.6	-
15:59	0.0	0.1	15:59	0.6	0.6	-
16:00	0.1	0.1	16:00	0.6	0.6	-
16:01	0.1	0.1	16:01	0.6	0.6	-
16:02	0.0	0.1	16:02	0.6	0.6	-
16:03	0.0	0.1	16:03	0.6	0.6	-
16:04	0.0	0.0	16:04	0.6	0.6	-
16:05	0.0	0.0	16:05	0.7	0.6	-
16:06	0.1	0.0	16:06	0.7	0.6	-
16:07	0.0	0.0	16:07	0.7	0.6	-
16:08	0.0	0.0	16:08	0.7	0.6	-
16:09	0.0	0.0	16:09	0.7	0.6	-
16:10	0.0	0.0	16:10	0.7	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
16:11	0.0	0.0	16:11	0.7	0.6	-
16:12	0.0	0.0	16:12	0.7	0.7	-
16:13	0.0	0.0	16:13	0.7	0.7	-
16:14	0.0	0.0	16:14	0.7	0.7	-
16:15	0.0	0.0	16:15	0.7	0.7	-
16:16	0.0	0.0	16:16	0.7	0.7	-
16:17	0.0	0.0	16:17	0.7	0.7	-
16:18	0.0	0.0	16:18	0.7	0.7	-
16:19	0.0	0.0	16:19	0.7	0.7	-
16:20	0.0	0.0	16:20	0.7	0.7	-
16:21	0.0	0.0	16:21	0.7	0.7	-
16:22	0.0	0.0	16:22	0.7	0.7	-
16:23	0.0	0.0	16:23	0.7	0.7	-
16:24	0.0	0.0	16:24	0.7	0.7	-
16:25	0.0	0.0	16:25	0.7	0.7	-
16:26	0.0	0.0	16:26	0.7	0.7	-
16:27	0.0	0.0	16:27	0.7	0.7	-
16:28	0.0	0.0	16:28	0.7	0.7	-
16:29	0.0	0.0	16:29	0.7	0.7	-
16:30	0.0	0.0	16:30	0.7	0.7	-
16:31	0.0	0.0	16:31	0.7	0.7	-
16:32	0.0	0.0	16:32	0.7	0.7	-
16:33	0.0	0.0	16:33	0.7	0.7	-
16:34	0.1	0.0	16:34	0.7	0.7	-
16:35	0.0	0.0	16:35	0.7	0.7	-
16:36	0.0	0.0	16:36	0.7	0.7	-
16:37	0.0	0.0	16:37	0.7	0.7	-
16:38	0.0	0.0	16:38	0.7	0.7	-
16:39	0.0	0.0	16:39	0.7	0.7	-
16:40	0.0	0.0	16:40	0.7	0.7	-
16:41	0.0	0.0	16:41	0.7	0.7	-
16:42	0.0	0.0	16:42	0.7	0.7	-
16:43	0.0	0.0	16:43	0.7	0.7	-
16:44	0.0	0.0	16:44	0.7	0.7	-
16:45	0.0	0.0	16:45	0.7	0.7	-
16:46	0.0	0.0	16:46	0.7	0.7	-
16:47	0.0	0.0	16:47	0.7	0.7	-
16:48	0.0	0.0	16:48	0.7	0.7	-
16:49	0.0	0.0	16:49	0.7	0.7	-
16:50	0.0	0.0	16:50	0.7	0.7	-
16:51	0.0	0.0	16:51	0.7	0.7	-
16:52	0.0	0.0	16:52	0.7	0.7	-
16:53	0.0	0.0	16:53	0.7	0.7	-
16:54	0.0	0.0	16:54	0.7	0.7	-
16:55	0.0	0.0	16:55	0.7	0.7	-
16:56	0.0	0.0	16:56	0.7	0.7	-
16:57	0.0	0.0	16:57	0.7	0.7	-
16:58	0.0	0.0	16:58	0.7	0.7	-
16:59	0.0	0.0	16:59	0.7	0.7	-
17:00	0.0	0.0	17:00	0.7	0.7	-
17:01	0.0	0.0	17:01	0.7	0.7	-
17:02	0.0	0.0	17:02	0.7	0.7	-
17:03	0.0	0.0	17:03	0.7	0.7	-
17:04	0.0	0.0	17:04	0.7	0.7	-
17:05	0.0	0.0	17:05	0.7	0.7	-
17:06	0.0	0.0	17:06	0.7	0.7	-
17:07	0.0	0.0	17:07	0.8	0.7	-
17:08	0.0	0.0	17:08	0.7	0.7	-
17:09	0.0	0.0	17:09	0.7	0.7	-
17:10	0.1	0.0	17:10	0.8	0.7	-
17:11	0.0	0.0	17:11	0.7	0.7	-
17:12	0.1	0.0	17:12	0.8	0.7	-
17:13	0.1	0.0	17:13	0.7	0.7	-
17:14	0.0	0.0	17:14	0.8	0.7	-
17:15	0.0	0.0	17:15	0.7	0.7	-
17:16	0.0	0.0	17:16	0.7	0.7	-
17:17	0.0	0.0	17:17	0.7	0.7	-
17:18	0.0	0.0	17:18	0.8	0.7	-
17:19	0.0	0.0	17:19	0.7	0.7	-
17:20	0.0	0.0	17:20	0.8	0.7	-
17:21	0.0	0.0	17:21	0.8	0.7	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
17:22	0.0	0.0	17:22			
17:23	0.0	0.0	17:23			
17:24	0.0	0.0	17:24			
17:25	0.0	0.0	17:25			
17:26	0.0	0.0	17:26			
17:27	0.0	0.0	17:27			

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/9/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.030	0.028
Maximum 15min Average	0.040	0.030
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.000	0.031
Maximum 1min Reading	0.000	0.032

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.5
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.1	1.5

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.

March 9, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						453
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	
8:11	0.033		8:11			
8:12	0.032		8:12			
8:13	0.031		8:13	0.032		
8:14	0.030		8:14	0.031		
8:15	0.029		8:15	0.032		
8:16	0.030		8:16	0.031		
8:17	0.029		8:17	0.029		
8:18	0.030		8:18	0.030		
8:19	0.030		8:19	0.032		
8:20	0.029		8:20	0.031		
8:21	0.030		8:21	0.028		
8:22	0.031		8:22	0.028		
8:23	0.029		8:23	0.026		
8:24	0.029		8:24	0.027		
8:25	0.032	0.030	8:25	0.028		
8:26	0.030	0.030	8:26	0.038		
8:27	0.030	0.030	8:27	0.031	0.030	-
8:28	0.029	0.030	8:28	0.031	0.030	-
8:29	0.030	0.030	8:29	0.029	0.030	-
8:30	0.030	0.030	8:30	0.030	0.030	-
8:31	0.031	0.030	8:31	0.029	0.030	-
8:32	0.031	0.030	8:32	0.031	0.030	-
8:33	0.031	0.030	8:33	0.030	0.030	-
8:34	0.031	0.030	8:34	0.029	0.030	-
8:35	0.031	0.030	8:35	0.028	0.030	-
8:36	0.031	0.030	8:36	0.029	0.030	-
8:37	0.031	0.030	8:37	0.029	0.030	-
8:38	0.030	0.030	8:38	0.028	0.030	-
8:39	0.033	0.031	8:39	0.029	0.030	-
8:40	0.032	0.031	8:40	0.033	0.030	-
8:41	0.032	0.031	8:41	0.031	0.030	-
8:42	0.033	0.031	8:42	0.029	0.030	-
8:43	0.034	0.031	8:43	0.032	0.030	-
8:44	0.038	0.032	8:44	0.033	0.030	-
8:45	0.038	0.032	8:45	0.031	0.030	-
8:46	0.033	0.033	8:46	0.032	0.030	-
8:47	0.032	0.033	8:47	0.029	0.030	-
8:48	0.033	0.033	8:48	0.030	0.030	-
8:49	0.035	0.033	8:49	0.027	0.030	-
8:50	0.039	0.034	8:50	0.026	0.030	-
8:51	0.038	0.034	8:51	0.028	0.030	-
8:52	0.033	0.034	8:52	0.027	0.030	-
8:53	0.035	0.035	8:53	0.025	0.029	-
8:54	0.034	0.035	8:54	0.026	0.029	-
8:55	0.035	0.035	8:55	0.029	0.029	-
8:56	0.035	0.035	8:56	0.027	0.029	-
8:57	0.034	0.035	8:57	0.028	0.029	-
8:58	0.035	0.035	8:58	0.028	0.028	-
8:59	0.042	0.035	8:59	0.031	0.028	-
9:00	0.053	0.036	9:00	0.028	0.028	-
9:01	0.052	0.038	9:01	0.029	0.028	-
9:02	0.046	0.039	9:02	0.029	0.028	-
9:03	0.043	0.039	9:03	0.032	0.028	-
9:04	0.043	0.040	9:04	0.029	0.028	-
9:05	0.038	0.040	9:05	0.028	0.028	-
9:06	0.037	0.040	9:06	0.029	0.028	-
9:07	0.039	0.040	9:07	0.030	0.029	-
9:08	0.032	0.040	9:08	0.027	0.029	-
9:09	0.033	0.040	9:09	0.027	0.029	-
9:10	0.030	0.039	9:10	0.026	0.029	-
9:11	0.033	0.039	9:11	0.027	0.029	-
9:12	0.030	0.039	9:12	0.029	0.029	-
9:13	0.030	0.039	9:13	0.030	0.029	-
9:14	0.030	0.038	9:14	0.028	0.029	-
9:15	0.030	0.036	9:15	0.027	0.028	-

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	
9:16	0.031	0.035	9:16	0.028	0.028	-
9:17	0.029	0.034	9:17	0.029	0.028	-
9:18	0.029	0.033	9:18	0.027	0.028	-
9:19	0.031	0.032	9:19	0.024	0.028	-
9:20	0.030	0.032	9:20	0.025	0.028	-
9:21	0.032	0.031	9:21	0.026	0.027	-
9:22	0.032	0.031	9:22	0.026	0.027	-
9:23	0.029	0.031	9:23	0.026	0.027	-
9:24	0.032	0.031	9:24	0.026	0.027	-
9:25	0.040	0.031	9:25	0.027	0.027	-
9:26	0.028	0.031	9:26	0.026	0.027	-
9:27	0.030	0.031	9:27	0.027	0.027	-
9:28	0.032	0.031	9:28	0.026	0.027	-
9:29	0.033	0.031	9:29	0.026	0.026	-
9:30	0.029	0.031	9:30	0.026	0.026	-
9:31	0.028	0.031	9:31	0.029	0.026	-
9:32	0.033	0.031	9:32	0.025	0.026	-
9:33	0.029	0.031	9:33	0.024	0.026	-
9:34	0.031	0.031	9:34	0.025	0.026	-
9:35	0.030	0.031	9:35	0.026	0.026	-
9:36	0.034	0.031	9:36	0.026	0.026	-
9:37	0.041	0.032	9:37	0.023	0.026	-
9:38	0.037	0.032	9:38	0.024	0.026	-
9:39	0.028	0.032	9:39	0.025	0.026	-
9:40	0.026	0.031	9:40	0.025	0.026	-
9:41	0.030	0.031	9:41	0.023	0.025	-
9:42	0.032	0.032	9:42	0.023	0.025	-
9:43	0.036	0.032	9:43	0.023	0.025	-
9:44	0.025	0.031	9:44	0.025	0.025	-
9:45	0.026	0.031	9:45	0.025	0.025	-
9:46	0.026	0.031	9:46	0.023	0.024	-
9:47	0.026	0.030	9:47	0.025	0.024	-
9:48	0.027	0.030	9:48	0.024	0.024	-
9:49	0.026	0.030	9:49	0.025	0.024	-
9:50	0.024	0.030	9:50	0.024	0.024	-
9:51	0.027	0.029	9:51	0.024	0.024	-
9:52	0.032	0.029	9:52	0.025	0.024	-
9:53	0.034	0.028	9:53	0.024	0.024	-
9:54	0.033	0.029	9:54	0.025	0.024	-
9:55	0.027	0.029	9:55	0.027	0.024	-
9:56	0.028	0.029	9:56	0.030	0.025	-
9:57	0.030	0.028	9:57	0.033	0.025	-
9:58	0.026	0.028	9:58	0.029	0.026	-
9:59	0.027	0.028	9:59	0.029	0.026	-
10:00	0.027	0.028	10:00	0.027	0.026	-
10:01	0.027	0.028	10:01	0.028	0.027	-
10:02	0.028	0.028	10:02	0.027	0.027	-
10:03	0.028	0.028	10:03	0.026	0.027	-
10:04	0.026	0.028	10:04	0.025	0.027	-
10:05	0.032	0.029	10:05	0.026	0.027	-
10:06	0.030	0.029	10:06	0.031	0.027	-
10:07	0.026	0.029	10:07	0.036	0.028	-
10:08	0.029	0.028	10:08	0.027	0.028	-
10:09	0.029	0.028	10:09	0.025	0.028	-
10:10	0.026	0.028	10:10	0.024	0.028	-
10:11	0.028	0.028	10:11	0.025	0.028	-
10:12	0.027	0.028	10:12	0.028	0.028	-
10:13	0.026	0.028	10:13	0.026	0.027	-
10:14	0.028	0.028	10:14	0.027	0.027	-
10:15	0.028	0.028	10:15	0.027	0.027	-
10:16	0.025	0.028	10:16	0.025	0.027	-
10:17	0.026	0.028	10:17	0.025	0.027	-
10:18	0.024	0.027	10:18	0.028	0.027	-
10:19	0.026	0.027	10:19	0.033	0.028	-
10:20	0.028	0.027	10:20	0.030	0.028	-
10:21	0.027	0.027	10:21	0.029	0.028	-
10:22	0.029	0.027	10:22	0.030	0.027	-
10:23	0.027	0.027	10:23	0.027	0.027	-

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	
10:24	0.028	0.027	10:24	0.026	0.027	-
10:25	0.028	0.027	10:25	0.026	0.027	-
10:26	0.028	0.027	10:26	0.027	0.028	-
10:27	0.032	0.027	10:27	0.029	0.028	-
10:28	0.032	0.028	10:28	0.027	0.028	-
10:29	0.031	0.028	10:29	0.031	0.028	-
10:30	0.029	0.028	10:30	0.028	0.028	-
10:31	0.031	0.028	10:31	0.029	0.028	-
10:32	0.029	0.029	10:32	0.030	0.029	-
10:33	0.031	0.029	10:33	0.027	0.029	-
10:34	0.030	0.029	10:34	0.030	0.028	-
10:35	0.028	0.029	10:35	0.031	0.028	-
10:36	0.031	0.030	10:36	0.027	0.028	-
10:37	0.037	0.030	10:37	0.032	0.028	-
10:38	0.032	0.030	10:38	0.033	0.029	-
10:39	0.029	0.031	10:39	0.035	0.029	-
10:40	0.030	0.031	10:40	0.030	0.030	-
10:41	0.031	0.031	10:41	0.029	0.030	-
10:42	0.033	0.031	10:42	0.028	0.030	-
10:43	0.031	0.031	10:43	0.031	0.030	-
10:44	0.030	0.031	10:44	0.030	0.030	-
10:45	0.029	0.031	10:45	0.028	0.030	-
10:46	0.027	0.031	10:46	0.029	0.030	-
10:47	0.027	0.030	10:47	0.028	0.030	-
10:48	0.027	0.030	10:48	0.028	0.030	-
10:49	0.027	0.030	10:49	0.029	0.030	-
10:50	0.028	0.030	10:50	0.029	0.030	-
10:51	0.029	0.030	10:51	0.032	0.030	-
10:52	0.028	0.029	10:52	0.031	0.030	-
10:53	0.028	0.029	10:53	0.031	0.030	-
10:54	0.029	0.029	10:54	0.032	0.030	-
10:55	0.028	0.029	10:55	0.031	0.030	-
10:56	0.029	0.029	10:56	0.031	0.030	-
10:57	0.029	0.028	10:57	0.031	0.030	-
10:58	0.029	0.028	10:58	0.032	0.030	-
10:59	0.028	0.028	10:59	0.031	0.030	-
11:00	0.029	0.028	11:00	0.030	0.030	-
11:01	0.031	0.028	11:01	0.030	0.030	-
11:02	0.033	0.029	11:02	0.033	0.031	-
11:03	0.033	0.029	11:03	0.032	0.031	-
11:04	0.032	0.030	11:04	0.031	0.031	-
11:05	0.033	0.030	11:05	0.031	0.031	-
11:06	0.030	0.030	11:06	0.030	0.031	-
11:07	0.029	0.030	11:07	0.030	0.031	-
11:08	0.028	0.030	11:08	0.031	0.031	-
11:09	0.032	0.030	11:09	0.029	0.031	-
11:10	0.032	0.030	11:10	0.029	0.031	-
11:11	0.029	0.030	11:11	0.029	0.031	-
11:12	0.028	0.030	11:12	0.029	0.030	-
11:13	0.030	0.030	11:13	0.028	0.030	-
11:14	0.041	0.031	11:14	0.029	0.030	-
11:15	0.040	0.032	11:15	0.030	0.030	-
11:16	0.039	0.033	11:16	0.031	0.030	-
11:17	0.031	0.032	11:17	0.031	0.030	-
11:18	0.030	0.032	11:18	0.029	0.030	-
11:19	0.033	0.032	11:19	0.030	0.030	-
11:20	0.031	0.032	11:20	0.030	0.030	-
11:21	0.027	0.032	11:21	0.031	0.030	-
11:22	0.028	0.032	11:22	0.030	0.030	-
11:23	0.031	0.032	11:23	0.030	0.030	-
11:24	0.032	0.032	11:24	0.031	0.030	-
11:25	0.030	0.032	11:25	0.033	0.030	-
11:26	0.028	0.032	11:26	0.031	0.030	-
11:27	0.026	0.032	11:27	0.029	0.030	-
11:28	0.026	0.032	11:28	0.031	0.030	-
11:29	0.028	0.031	11:29	0.030	0.030	-
11:30	0.029	0.030	11:30	0.030	0.030	-
11:31	0.030	0.029	11:31	0.031	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	
11:32	0.028	0.029	11:32	0.033	0.031	-
11:33	0.029	0.029	11:33	0.031	0.031	-
11:34	0.032	0.029	11:34	0.030	0.031	-
11:35	0.036	0.029	11:35	0.030	0.031	-
11:36	0.027	0.029	11:36	0.029	0.031	-
11:37	0.026	0.029	11:37	0.030	0.031	-
11:38	0.027	0.029	11:38	0.031	0.031	-
11:39	0.028	0.029	11:39	0.029	0.031	-
11:40	0.028	0.029	11:40	0.030	0.030	-
11:41	0.026	0.028	11:41	0.030	0.030	-
11:42	0.026	0.028	11:42	0.030	0.030	-
11:43	0.026	0.028	11:43	0.029	0.030	-
11:44	0.029	0.028	11:44	0.029	0.030	-
11:45	0.027	0.028	11:45	0.030	0.030	-
11:46	0.028	0.028	11:46	0.030	0.030	-
11:47	0.028	0.028	11:47	0.031	0.030	-
11:48	0.027	0.028	11:48	0.033	0.030	-
11:49	0.027	0.028	11:49	0.032	0.030	-
11:50	0.029	0.027	11:50	0.032	0.030	-
11:51	0.031	0.028	11:51	0.034	0.031	-
11:52	0.031	0.028	11:52	0.034	0.031	-
11:53	0.030	0.028	11:53	0.032	0.031	-
11:54	0.030	0.028	11:54	0.031	0.031	-
11:55	0.033	0.029	11:55	0.031	0.031	-
11:56	0.035	0.029	11:56	0.031	0.031	-
11:57	0.033	0.030	11:57	0.033	0.031	-
11:58	0.034	0.030	11:58	0.036	0.032	-
11:59	0.034	0.030	11:59	0.035	0.032	-
12:00	0.032	0.031	12:00	0.039	0.033	-
12:01	0.033	0.031	12:01	0.036	0.033	-
12:02	0.032	0.031	12:02	0.035	0.034	-
12:03	0.033	0.032	12:03	0.036	0.034	-
12:04	0.033	0.032	12:04	0.035	0.034	-
12:05	0.032	0.032	12:05	0.033	0.034	-
12:06	0.031	0.032	12:06	0.033	0.034	-
12:07	0.029	0.032	12:07	0.033	0.034	-
12:08	0.030	0.032	12:08	0.033	0.034	-
12:09	0.031	0.032	12:09	0.033	0.034	-
12:10	0.031	0.032	12:10	0.034	0.034	-
12:11	0.030	0.032	12:11	0.035	0.035	-
12:12	0.031	0.032	12:12	0.033	0.035	-
12:13	0.029	0.031	12:13	0.030	0.034	-
12:14	0.027	0.031	12:14	0.031	0.034	-
12:15	0.027	0.031	12:15	0.029	0.033	-
12:16	0.024	0.030	12:16	0.029	0.033	-
12:17	0.025	0.030	12:17	0.027	0.032	-
12:18	0.023	0.029	12:18	0.026	0.032	-
12:19	0.022	0.028	12:19	0.025	0.031	-
12:20	0.022	0.027	12:20	0.025	0.030	-
12:21	0.020	0.027	12:21	0.024	0.030	-
12:22	0.020	0.026	12:22	0.024	0.029	-
12:23	0.022	0.026	12:23	0.024	0.029	-
12:24	0.022	0.025	12:24	0.024	0.028	-
12:25	0.020	0.024	12:25	0.024	0.027	-
12:26	0.020	0.024	12:26	0.025	0.027	-
12:27	0.020	0.023	12:27	0.024	0.026	-
12:28	0.020	0.022	12:28	0.024	0.026	-
12:29	0.021	0.022	12:29	0.024	0.025	-
12:30	0.021	0.021	12:30	0.024	0.025	-
12:31	0.019	0.021	12:31	0.023	0.024	-
12:32	0.018	0.021	12:32	0.023	0.024	-
12:33	0.020	0.020	12:33	0.024	0.024	-
12:34	0.022	0.020	12:34	0.025	0.024	-
12:35	0.021	0.020	12:35	0.026	0.024	-
12:36	0.020	0.020	12:36	0.024	0.024	-
12:37	0.021	0.020	12:37	0.024	0.024	-
12:38	0.021	0.020	12:38	0.024	0.024	-
12:39	0.021	0.020	12:39	0.026	0.024	-

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	
12:40	0.021	0.020	12:40	0.028	0.025	-
12:41	0.020	0.020	12:41	0.026	0.025	-
12:42	0.019	0.020	12:42	0.024	0.025	-
12:43	0.019	0.020	12:43	0.023	0.025	-
12:44	0.019	0.020	12:44	0.023	0.024	-
12:45	0.018	0.020	12:45	0.023	0.024	-
12:46	0.019	0.020	12:46	0.023	0.024	-
12:47	0.019	0.020	12:47	0.023	0.024	-
12:48	0.020	0.020	12:48	0.024	0.024	-
12:49	0.020	0.020	12:49	0.025	0.024	-
12:50	0.021	0.020	12:50	0.025	0.024	-
12:51	0.021	0.020	12:51	0.024	0.024	-
12:52	0.019	0.020	12:52	0.024	0.024	-
12:53	0.020	0.020	12:53	0.024	0.024	-
12:54	0.020	0.020	12:54	0.024	0.024	-
12:55	0.019	0.020	12:55	0.024	0.024	-
12:56	0.020	0.020	12:56	0.024	0.024	-
12:57	0.020	0.020	12:57	0.024	0.024	-
12:58	0.020	0.020	12:58	0.025	0.024	-
12:59	0.020	0.020	12:59	0.024	0.024	-
13:00	0.019	0.020	13:00	0.024	0.024	-
13:01	0.021	0.020	13:01	0.025	0.024	-
13:02	0.019	0.020	13:02	0.024	0.024	-
13:03	0.020	0.020	13:03	0.027	0.024	-
13:04	0.019	0.020	13:04	0.024	0.024	-
13:05	0.018	0.020	13:05	0.024	0.024	-
13:06	0.020	0.020	13:06	0.023	0.024	-
13:07	0.019	0.020	13:07	0.024	0.024	-
13:08	0.018	0.019	13:08	0.023	0.024	-
13:09	0.020	0.019	13:09	0.024	0.024	-
13:10	0.021	0.020	13:10	0.024	0.024	-
13:11	0.019	0.020	13:11	0.024	0.024	-
13:12	0.022	0.020	13:12	0.024	0.024	-
13:13	0.020	0.020	13:13	0.024	0.024	-
13:14	0.024	0.020	13:14	0.024	0.024	-
13:15	0.020	0.020	13:15	0.025	0.024	-
13:16	0.021	0.020	13:16	0.025	0.024	-
13:17	0.020	0.020	13:17	0.024	0.024	-
13:18	0.021	0.020	13:18	0.025	0.024	-
13:19	0.021	0.020	13:19	0.024	0.024	-
13:20	0.020	0.020	13:20	0.024	0.024	-
13:21	0.020	0.020	13:21	0.024	0.024	-
13:22	0.021	0.021	13:22	0.025	0.024	-
13:23	0.021	0.021	13:23	0.025	0.024	-
13:24	0.022	0.021	13:24	0.026	0.024	-
13:25	0.021	0.021	13:25	0.025	0.025	-
13:26	0.021	0.021	13:26	0.025	0.025	-
13:27	0.021	0.021	13:27	0.024	0.025	-
13:28	0.021	0.021	13:28	0.025	0.025	-
13:29	0.021	0.021	13:29	0.027	0.025	-
13:30	0.023	0.021	13:30	0.027	0.025	-
13:31	0.022	0.021	13:31	0.026	0.025	-
13:32	0.022	0.021	13:32	0.026	0.025	-
13:33	0.027	0.022	13:33	0.027	0.025	-
13:34	0.026	0.022	13:34	0.028	0.026	-
13:35	0.026	0.022	13:35	0.028	0.026	-
13:36	0.024	0.023	13:36	0.028	0.026	-
13:37	0.025	0.023	13:37	0.028	0.026	-
13:38	0.026	0.023	13:38	0.028	0.027	-
13:39	0.024	0.023	13:39	0.028	0.027	-
13:40	0.023	0.023	13:40	0.027	0.027	-
13:41	0.022	0.024	13:41	0.026	0.027	-
13:42	0.022	0.024	13:42	0.026	0.027	-
13:43	0.027	0.024	13:43	0.027	0.027	-
13:44	0.022	0.024	13:44	0.026	0.027	-
13:45	0.023	0.024	13:45	0.024	0.027	-
13:46	0.020	0.024	13:46	0.023	0.027	-
13:47	0.019	0.024	13:47	0.023	0.026	-

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	
13:48	0.020	0.023	13:48	0.023	0.026	-
13:49	0.019	0.023	13:49	0.023	0.026	-
13:50	0.021	0.022	13:50	0.022	0.025	-
13:51	0.020	0.022	13:51	0.023	0.025	-
13:52	0.021	0.022	13:52	0.023	0.025	-
13:53	0.021	0.022	13:53	0.024	0.025	-
13:54	0.021	0.021	13:54	0.024	0.024	-
13:55	0.020	0.021	13:55	0.024	0.024	-
13:56	0.020	0.021	13:56	0.022	0.024	-
13:57	0.020	0.021	13:57	0.022	0.024	-
13:58	0.019	0.020	13:58	0.020	0.023	-
13:59	0.017	0.020	13:59	0.020	0.023	-
14:00	0.017	0.020	14:00	0.020	0.022	-
14:01	0.018	0.020	14:01	0.021	0.022	-
14:02	0.018	0.019	14:02	0.020	0.022	-
14:03	0.022	0.020	14:03	0.020	0.022	-
14:04	0.018	0.020	14:04	0.020	0.022	-
14:05	0.016	0.019	14:05	0.021	0.022	-
14:06	0.017	0.019	14:06	0.020	0.021	-
14:07	0.016	0.019	14:07	0.020	0.021	-
14:08	0.017	0.018	14:08	0.020	0.021	-
14:09	0.019	0.018	14:09	0.020	0.021	-
14:10	0.018	0.018	14:10	0.019	0.020	-
14:11	0.018	0.018	14:11	0.019	0.020	-
14:12	0.019	0.018	14:12	0.020	0.020	-
14:13	0.019	0.018	14:13	0.020	0.020	-
14:14	0.018	0.018	14:14	0.020	0.020	-
14:15	0.018	0.018	14:15	0.019	0.020	-
14:16	0.017	0.018	14:16	0.019	0.020	-
14:17	0.018	0.018	14:17	0.019	0.020	-
14:18	0.017	0.018	14:18	0.018	0.020	-
14:19	0.018	0.018	14:19	0.019	0.020	-
14:20	0.021	0.018	14:20	0.018	0.019	-
14:21	0.017	0.018	14:21	0.018	0.019	-
14:22	0.020	0.018	14:22	0.018	0.019	-
14:23	0.019	0.018	14:23	0.019	0.019	-
14:24	0.018	0.018	14:24	0.018	0.019	-
14:25	0.018	0.018	14:25	0.019	0.019	-
14:26	0.019	0.018	14:26	0.019	0.019	-
14:27	0.020	0.018	14:27	0.020	0.019	-
14:28	0.020	0.019	14:28	0.020	0.019	-
14:29	0.020	0.019	14:29	0.020	0.019	-
14:30	0.020	0.019	14:30	0.020	0.019	-
14:31	0.020	0.019	14:31	0.020	0.019	-
14:32	0.021	0.019	14:32	0.020	0.019	-
14:33	0.021	0.019	14:33	0.020	0.019	-
14:34	0.020	0.020	14:34	0.019	0.019	-
14:35	0.020	0.020	14:35	0.019	0.019	-
14:36	0.019	0.020	14:36	0.019	0.019	-
14:37	0.018	0.020	14:37	0.017	0.019	-
14:38	0.018	0.019	14:38	0.017	0.019	-
14:39	0.019	0.020	14:39	0.017	0.019	-
14:40	0.019	0.020	14:40	0.017	0.019	-
14:41	0.019	0.020	14:41	0.018	0.019	-
14:42	0.019	0.020	14:42	0.018	0.019	-
14:43	0.019	0.019	14:43	0.018	0.019	-
14:44	0.020	0.019	14:44	0.019	0.019	-
14:45	0.020	0.019	14:45	0.019	0.018	-
14:46	0.022	0.020	14:46	0.020	0.018	-
14:47	0.022	0.020	14:47	0.020	0.018	-
14:48	0.022	0.020	14:48	0.021	0.019	-
14:49	0.021	0.020	14:49	0.019	0.019	-
14:50	0.021	0.020	14:50	0.020	0.019	-
14:51	0.020	0.020	14:51	0.020	0.019	-
14:52	0.020	0.020	14:52	0.019	0.019	-
14:53	0.021	0.020	14:53	0.019	0.019	-
14:54	0.021	0.020	14:54	0.019	0.019	-
14:55	0.021	0.021	14:55	0.019	0.019	-

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	
14:56	0.021	0.021	14:56	0.019	0.019	-
14:57	0.023	0.021	14:57	0.019	0.019	-
14:58	0.021	0.021	14:58	0.019	0.019	-
14:59	0.021	0.021	14:59	0.019	0.019	-
15:00	0.020	0.021	15:00	0.019	0.019	-
15:01	0.020	0.021	15:01	0.019	0.019	-
15:02	0.020	0.021	15:02	0.019	0.019	-
15:03	0.020	0.021	15:03	0.019	0.019	-
15:04	0.020	0.021	15:04	0.019	0.019	-
15:05	0.021	0.021	15:05	0.019	0.019	-
15:06	0.021	0.021	15:06	0.019	0.019	-
15:07	0.021	0.021	15:07	0.019	0.019	-
15:08	0.022	0.021	15:08	0.019	0.019	-
15:09	0.021	0.021	15:09	0.019	0.019	-
15:10	0.021	0.021	15:10	0.019	0.019	-
15:11	0.022	0.021	15:11	0.019	0.019	-
15:12	0.023	0.021	15:12	0.020	0.019	-
15:13	0.023	0.021	15:13	0.020	0.019	-
15:14	0.022	0.021	15:14	0.020	0.019	-
15:15	0.022	0.021	15:15	0.019	0.019	-
15:16	0.022	0.021	15:16	0.020	0.019	-
15:17	0.022	0.022	15:17	0.018	0.019	-
15:18	0.021	0.022	15:18	0.019	0.019	-
15:19	0.022	0.022	15:19	0.019	0.019	-
15:20	0.023	0.022	15:20	0.019	0.019	-
15:21	0.023	0.022	15:21	0.019	0.019	-
15:22	0.023	0.022	15:22	0.019	0.019	-
15:23	0.022	0.022	15:23	0.019	0.019	-
15:24	0.023	0.022	15:24	0.068	0.022	-
15:25	0.022	0.022	15:25	0.022	0.023	-
15:26	0.022	0.022	15:26	0.020	0.023	-
15:27	0.022	0.022	15:27	0.020	0.023	-
15:28	0.022	0.022	15:28	0.020	0.023	-
15:29	0.022	0.022	15:29	0.019	0.023	-
15:30	0.022	0.022	15:30	0.019	0.023	-
15:31	0.023	0.022	15:31	0.020	0.023	-
15:32	0.023	0.022	15:32	0.020	0.023	-
15:33	0.025	0.023	15:33	0.020	0.023	-
15:34	0.024	0.023	15:34	0.023	0.023	-
15:35	0.022	0.023	15:35	0.021	0.023	-
15:36	0.023	0.023	15:36	0.020	0.023	-
15:37	0.023	0.023	15:37	0.020	0.023	-
15:38	0.023	0.023	15:38	0.019	0.023	-
15:39	0.023	0.023	15:39	0.020	0.020	-
15:40	0.023	0.023	15:40	0.020	0.020	-
15:41	0.023	0.023	15:41	0.020	0.020	-
15:42	0.024	0.023	15:42	0.025	0.020	-
15:43	0.024	0.023	15:43	0.024	0.021	-
15:44	0.024	0.023	15:44	0.022	0.021	-
15:45	0.024	0.023	15:45	0.020	0.021	-
15:46	0.023	0.023	15:46	0.019	0.021	-
15:47	0.024	0.023	15:47	0.026	0.021	-
15:48	0.024	0.023	15:48	0.023	0.021	-
15:49	0.024	0.023	15:49	0.020	0.021	-
15:50	0.021	0.023	15:50	0.021	0.021	-
15:51	0.023	0.023	15:51	0.020	0.021	-
15:52	0.022	0.023	15:52	0.019	0.021	-
15:53	0.021	0.023	15:53	0.018	0.021	-
15:54	0.021	0.023	15:54	0.016	0.021	-
15:55	0.020	0.023	15:55	0.017	0.021	-
15:56	0.021	0.023	15:56	0.016	0.020	-
15:57	0.021	0.022	15:57	0.017	0.020	-
15:58	0.021	0.022	15:58	0.017	0.019	-
15:59	0.021	0.022	15:59	0.019	0.019	-
16:00	0.021	0.022	16:00			
16:01	0.020	0.022	16:01			
16:02	0.020	0.021	16:02			
16:03	0.023	0.021	16:03			

March 9, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						217
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:22			8:22	0.3		
8:23	0.0		8:23	0.3		
8:24	0.0		8:24	0.3		
8:25	0.0		8:25	0.3		
8:26	0.0		8:26	0.3		
8:27	0.0		8:27	0.3		
8:28	0.0		8:28	0.4		
8:29	0.0		8:29	0.4		
8:30	0.0		8:30	0.4		
8:31	0.0		8:31	0.4		
8:32	0.0		8:32	0.4		
8:33	0.0		8:33	0.4		
8:34	0.0		8:34	0.4		
8:35	0.0		8:35	0.4		
8:36	0.0		8:36	0.4	0.4	
8:37	0.0	0.0	8:37	0.4	0.4	-
8:38	0.0	0.0	8:38	0.4	0.4	-
8:39	0.0	0.0	8:39	0.4	0.4	-
8:40	0.0	0.0	8:40	0.4	0.4	-
8:41	0.0	0.0	8:41	0.4	0.4	-
8:42	0.0	0.0	8:42	0.4	0.4	-
8:43	0.0	0.0	8:43	0.4	0.4	-
8:44	0.0	0.0	8:44	0.5	0.4	-
8:45	0.0	0.0	8:45	0.5	0.4	-
8:46	0.0	0.0	8:46	0.5	0.4	-
8:47	0.0	0.0	8:47	0.5	0.4	-
8:48	0.0	0.0	8:48	0.5	0.4	-
8:49	0.0	0.0	8:49	0.5	0.4	-
8:50	0.0	0.0	8:50	0.5	0.4	-
8:51	0.0	0.0	8:51	0.5	0.5	-
8:52	0.0	0.0	8:52	0.5	0.5	-
8:53	0.0	0.0	8:53	0.5	0.5	-
8:54	0.0	0.0	8:54	0.5	0.5	-
8:55	0.0	0.0	8:55	0.5	0.5	-
8:56	0.0	0.0	8:56	0.5	0.5	-
8:57	0.0	0.0	8:57	0.5	0.5	-
8:58	0.0	0.0	8:58	0.5	0.5	-
8:59	0.0	0.0	8:59	0.5	0.5	-
9:00	0.0	0.0	9:00	0.5	0.5	-
9:01	0.0	0.0	9:01	0.5	0.5	-
9:02	0.0	0.0	9:02	0.5	0.5	-
9:03	0.0	0.0	9:03	0.5	0.5	-
9:04	0.0	0.0	9:04	0.5	0.5	-
9:05	0.0	0.0	9:05	0.5	0.5	-
9:06	0.0	0.0	9:06	0.5	0.5	-
9:07	0.0	0.0	9:07	0.5	0.5	-
9:08	0.0	0.0	9:08	0.5	0.5	-
9:09	0.0	0.0	9:09	0.5	0.5	-
9:10	0.0	0.0	9:10	0.5	0.5	-
9:11	0.0	0.0	9:11	0.5	0.5	-
9:12	0.0	0.0	9:12	0.5	0.5	-
9:13	0.0	0.0	9:13	0.5	0.5	-
9:14	0.0	0.0	9:14	0.5	0.5	-
9:15	0.0	0.0	9:15	0.5	0.5	-
9:16	0.0	0.0	9:16	0.5	0.5	-
9:17	0.0	0.0	9:17	0.5	0.5	-
9:18	0.0	0.0	9:18	0.5	0.5	-
9:19	0.0	0.0	9:19	0.5	0.5	-
9:20	0.0	0.0	9:20	0.5	0.5	-
9:21	0.0	0.0	9:21	0.5	0.5	-
9:22	0.0	0.0	9:22	0.5	0.5	-
9:23	0.0	0.0	9:23	0.5	0.5	-
9:24	0.0	0.0	9:24	0.5	0.5	-
9:25	0.0	0.0	9:25	0.5	0.5	-
9:26	0.0	0.0	9:26	0.5	0.5	-
9:27	0.0	0.0	9:27	0.5	0.5	-
9:28	0.0	0.0	9:28	0.5	0.5	-
9:29	0.0	0.0	9:29	0.5	0.5	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:30	0.0	0.0	9:30	0.5	0.5	-
9:31	0.0	0.0	9:31	0.5	0.5	-
9:32	0.0	0.0	9:32	0.5	0.5	-
9:33	0.0	0.0	9:33	0.5	0.5	-
9:34	0.0	0.0	9:34	0.5	0.5	-
9:37	0.0	0.0	9:37	0.5	0.5	-
9:38	0.1	0.0	9:38	0.5	0.5	-
9:39	0.1	0.0	9:39	0.5	0.5	-
9:40	0.1	0.0	9:40	0.5	0.5	-
9:41	0.1	0.0	9:41	0.5	0.5	-
9:42	0.0	0.0	9:42	0.5	0.5	-
9:43	0.0	0.0	9:43	0.5	0.5	-
9:44	0.0	0.0	9:44	0.5	0.5	-
9:45	0.0	0.0	9:45	0.5	0.5	-
9:46	0.0	0.0	9:46	0.5	0.5	-
9:47	0.0	0.0	9:47	0.5	0.5	-
9:48	0.0	0.0	9:48	0.5	0.5	-
9:49	0.0	0.0	9:49	0.5	0.5	-
9:50	0.0	0.0	9:50	0.5	0.5	-
9:51	0.0	0.0	9:51	0.5	0.5	-
9:52	0.0	0.0	9:52	0.5	0.5	-
9:53	0.0	0.0	9:53	0.5	0.5	-
9:54	0.0	0.0	9:54	0.5	0.5	-
9:55	0.1	0.0	9:55	0.5	0.5	-
9:56	0.0	0.0	9:56	0.5	0.5	-
9:57	0.0	0.0	9:57	0.5	0.5	-
9:58	0.1	0.0	9:58	0.5	0.5	-
9:59	0.0	0.0	9:59	0.5	0.5	-
10:00	0.1	0.0	10:00	0.5	0.5	-
10:01	0.1	0.0	10:01	0.5	0.5	-
10:02	0.0	0.0	10:02	0.5	0.5	-
10:03	0.0	0.0	10:03	0.5	0.5	-
10:04	0.0	0.0	10:04	0.5	0.5	-
10:05	0.0	0.0	10:05	0.5	0.5	-
10:06	0.0	0.0	10:06	0.5	0.5	-
10:07	0.0	0.0	10:07	0.5	0.5	-
10:08	0.0	0.0	10:08	0.5	0.5	-
10:09	0.0	0.0	10:09	0.5	0.5	-
10:10	0.1	0.0	10:10	0.5	0.5	-
10:11	0.1	0.0	10:11	0.5	0.5	-
10:12	0.1	0.0	10:12	0.5	0.5	-
10:13	0.0	0.0	10:13	0.5	0.5	-
10:14	0.1	0.0	10:14	0.5	0.5	-
10:15	0.0	0.0	10:15	0.5	0.5	-
10:16	0.1	0.0	10:16	0.5	0.5	-
10:17	0.1	0.0	10:17	0.5	0.5	-
10:18	0.1	0.0	10:18	0.5	0.5	-
10:19	0.1	0.1	10:19	0.5	0.5	-
10:20	0.0	0.1	10:20	0.5	0.5	-
10:21	0.0	0.1	10:21	0.5	0.5	-
10:22	0.1	0.1	10:22	0.5	0.5	-
10:23	0.1	0.1	10:23	0.5	0.5	-
10:24	0.1	0.1	10:24	0.5	0.5	-
10:25	0.1	0.1	10:25	0.5	0.5	-
10:26	0.1	0.1	10:26	0.5	0.5	-
10:27	0.1	0.1	10:27	0.5	0.5	-
10:28	0.1	0.1	10:28	0.5	0.5	-
10:29	0.1	0.1	10:29	0.5	0.5	-
10:30	0.1	0.1	10:30	0.5	0.5	-
10:31	0.1	0.1	10:31	0.5	0.5	-
10:32	0.1	0.1	10:32	0.5	0.5	-
10:33	0.1	0.1	10:33	0.5	0.5	-
10:34	0.1	0.1	10:34	0.5	0.5	-
10:35	0.1	0.1	10:35	0.5	0.5	-
10:36	0.1	0.1	10:36	0.5	0.5	-
10:37	0.1	0.1	10:37	0.5	0.5	-
10:38	0.1	0.1	10:38	0.5	0.5	-
10:39	0.1	0.1	10:39	0.5	0.5	-
10:40	0.1	0.1	10:40	0.5	0.5	-
10:41	0.1	0.1	10:41	0.5	0.5	-
10:42	0.1	0.1	10:42	0.5	0.5	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:43	0.1	0.1	10:43	0.5	0.5	-
10:44	0.1	0.1	10:44	0.5	0.5	-
10:45	0.1	0.1	10:45	0.5	0.5	-
10:46	0.1	0.1	10:46	0.5	0.5	-
10:47	0.1	0.1	10:47	0.5	0.5	-
10:48	0.1	0.1	10:48	0.5	0.5	-
10:49	0.1	0.1	10:49	0.5	0.5	-
10:50	0.1	0.1	10:50	0.5	0.5	-
10:51	0.1	0.1	10:51	0.5	0.5	-
10:52	0.1	0.1	10:52	0.5	0.5	-
10:53	0.1	0.1	10:53	0.5	0.5	-
10:54	0.1	0.1	10:54	0.5	0.5	-
10:55	0.1	0.1	10:55	0.5	0.5	-
10:56	0.1	0.1	10:56	0.5	0.5	-
10:57	0.1	0.1	10:57	0.5	0.5	-
10:58	0.1	0.1	10:58	0.5	0.5	-
10:59	0.1	0.1	10:59	0.5	0.5	-
11:00	0.1	0.1	11:00	0.5	0.5	-
11:01	0.1	0.1	11:01	0.5	0.5	-
11:02	0.1	0.1	11:02	0.5	0.5	-
11:03	0.1	0.1	11:03	0.5	0.5	-
11:04	0.1	0.1	11:04	0.5	0.5	-
11:05	0.1	0.1	11:05	0.5	0.5	-
11:06	0.1	0.1	11:06	0.5	0.5	-
11:07	0.1	0.1	11:07	0.5	0.5	-
11:08	0.1	0.1	11:08	0.5	0.5	-
11:09	0.1	0.1	11:09	0.5	0.5	-
11:10	0.1	0.1	11:10	0.5	0.5	-
11:11	0.1	0.1	11:11	0.5	0.5	-
11:12	0.1	0.1	11:12	0.5	0.5	-
11:13	0.1	0.1	11:13	0.5	0.5	-
11:14	0.1	0.1	11:14	0.5	0.5	-
11:15	0.1	0.1	11:15	0.5	0.5	-
11:16	0.1	0.1	11:16	0.5	0.5	-
11:17	0.1	0.1	11:17	0.5	0.5	-
11:18	0.1	0.1	11:18	0.5	0.5	-
11:19	0.1	0.1	11:19	0.5	0.5	-
11:20	0.1	0.1	11:20	0.5	0.5	-
11:21	0.1	0.1	11:21	0.5	0.5	-
11:22	0.1	0.1	11:22	0.6	0.5	-
11:23	0.1	0.1	11:23	0.6	0.5	-
11:24	0.1	0.1	11:24	0.6	0.5	-
11:25	0.1	0.1	11:25	0.6	0.5	-
11:26	0.1	0.1	11:26	0.6	0.5	-
11:27	0.1	0.1	11:27	0.6	0.5	-
11:28	0.1	0.1	11:28	0.6	0.5	-
11:29	0.1	0.1	11:29	0.6	0.6	-
11:30	0.1	0.1	11:30	0.5	0.6	-
11:31	0.1	0.1	11:31	0.5	0.6	-
11:32	0.1	0.1	11:32	0.5	0.6	-
11:33	0.1	0.1	11:33	0.5	0.6	-
11:34	0.1	0.1	11:34	0.5	0.6	-
11:35	0.1	0.1	11:35	0.5	0.6	-
11:36	0.1	0.1	11:36	0.5	0.6	-
11:37	0.1	0.1	11:37	0.5	0.5	-
11:38	0.1	0.1	11:38	0.5	0.5	-
11:39	0.1	0.1	11:39	0.5	0.5	-
11:40	0.1	0.1	11:40	0.5	0.5	-
11:41	0.1	0.1	11:41	0.6	0.5	-
11:42	0.1	0.1	11:42	0.6	0.5	-
11:43	0.0	0.1	11:43	0.6	0.5	-
11:44	0.1	0.1	11:44	0.5	0.5	-
11:45	0.1	0.1	11:45	0.5	0.5	-
11:46	0.1	0.1	11:46	0.5	0.5	-
11:47	0.0	0.1	11:47	0.6	0.5	-
11:48	0.1	0.1	11:48	0.6	0.5	-
11:49	0.1	0.1	11:49	0.6	0.5	-
11:50	0.1	0.1	11:50	0.6	0.5	-
11:51	0.1	0.1	11:51	0.6	0.6	-
11:52	0.1	0.1	11:52	0.5	0.6	-
11:53	0.1	0.1	11:53	0.6	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:54	0.1	0.1	11:54	0.6	0.6	-
11:55	0.1	0.1	11:55	0.6	0.6	-
11:56	0.1	0.1	11:56	0.6	0.6	-
11:57	0.1	0.1	11:57	0.6	0.6	-
11:58	0.1	0.1	11:58	0.6	0.6	-
11:59	0.1	0.1	11:59	0.6	0.6	-
12:00	0.1	0.1	12:00	0.6	0.6	-
12:01	0.1	0.1	12:01	0.6	0.6	-
12:02	0.1	0.1	12:02	0.6	0.6	-
12:03	0.1	0.1	12:03	0.6	0.6	-
12:04	0.1	0.1	12:04	0.6	0.6	-
12:05	0.1	0.1	12:05	0.6	0.6	-
12:06	0.1	0.1	12:06	0.6	0.6	-
12:07	0.1	0.1	12:07	0.6	0.6	-
12:08	0.1	0.1	12:08	0.6	0.6	-
12:09	0.1	0.1	12:09	0.6	0.6	-
12:10	0.1	0.1	12:10	0.5	0.6	-
12:11	0.1	0.1	12:11	0.6	0.6	-
12:12	0.1	0.1	12:12	0.6	0.6	-
12:13	0.1	0.1	12:13	0.6	0.6	-
12:14			12:14	0.6	0.6	
12:15			12:15	0.6	0.6	
12:16			12:16	0.6	0.6	
12:17			12:17	0.6	0.6	
12:18			12:18	0.6	0.6	
12:19			12:19	0.6	0.6	
12:20			12:20	0.6	0.6	
12:21			12:21	0.6	0.6	
12:22			12:22	0.6	0.6	
12:23			12:23	0.6	0.6	
12:24			12:24	0.5	0.6	
12:25			12:25	0.6	0.6	
12:26			12:26	0.5	0.6	
12:27			12:27	0.5	0.6	
12:28			12:28	0.5	0.6	
12:29			12:29	0.5	0.6	
12:30			12:30	0.5	0.6	
12:31			12:31	0.5	0.6	
12:32			12:32	0.5	0.5	
12:33			12:33	0.5	0.5	
12:34			12:34	0.5	0.5	
12:35			12:35	0.5	0.5	
12:36			12:36	0.5	0.5	
12:37			12:37	0.5	0.5	
12:38			12:38	0.5	0.5	
12:39			12:39	0.5	0.5	
12:40			12:40	0.5	0.5	
12:41			12:41	0.5	0.5	
12:42			12:42	0.5	0.5	
12:43			12:43	0.5	0.5	
12:44			12:44	0.5	0.5	
12:45			12:45	0.5	0.5	
12:46			12:46	0.5	0.5	
12:47			12:47	0.5	0.5	
12:48			12:48	0.6	0.5	
12:49			12:49	0.6	0.5	
12:50			12:50	0.5	0.5	
12:51			12:51	0.5	0.5	
12:52			12:52	0.5	0.5	
12:53			12:53	0.6	0.5	
12:54			12:54	0.5	0.5	
12:55			12:55	0.6	0.5	
12:56			12:56	0.5	0.5	
12:57			12:57	0.6	0.5	
12:58			12:58	0.6	0.5	
12:59			12:59	0.6	0.5	
13:00			13:00	0.6	0.6	
13:01			13:01	0.6	0.6	
13:02			13:02	0.6	0.6	
13:03			13:03	0.6	0.6	
13:04			13:04	0.6	0.6	

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:05			13:05	0.6	0.6	
13:06			13:06	0.6	0.6	
13:07			13:07	0.6	0.6	
13:08			13:08	0.6	0.6	
13:09			13:09	0.6	0.6	
13:10			13:10	0.6	0.6	
13:11			13:11	0.6	0.6	
13:12			13:12	0.6	0.6	
13:13			13:13	0.6	0.6	
13:14			13:14	0.6	0.6	
13:15			13:15	0.6	0.6	
13:16			13:16	0.6	0.6	
13:17			13:17	0.6	0.6	
13:18			13:18	0.6	0.6	
13:19			13:19	0.6	0.6	
13:20			13:20	0.6	0.6	
13:21			13:21	0.6	0.6	
13:22			13:22	0.7	0.6	
13:23			13:23	0.6	0.6	
13:24			13:24	0.7	0.6	
13:25			13:25	0.7	0.6	
13:26			13:26	0.7	0.6	
13:27			13:27	0.7	0.6	
13:28			13:28	0.7	0.6	
13:29			13:29	0.7	0.6	
13:30			13:30	0.7	0.7	
13:31			13:31	0.7	0.7	
13:32			13:32	0.7	0.7	
13:33			13:33	0.7	0.7	
13:34			13:34	0.7	0.7	
13:35			13:35	0.7	0.7	
13:36			13:36	0.7	0.7	
13:37			13:37	0.7	0.7	
13:38			13:38	0.7	0.7	
13:39			13:39	0.8	0.7	
13:40			13:40	0.7	0.7	
13:41			13:41	0.8	0.7	
13:42			13:42	0.7	0.7	
13:43			13:43	0.8	0.7	
13:44			13:44	0.8	0.7	
13:45			13:45	0.8	0.7	
13:46			13:46	0.8	0.7	
13:47			13:47	0.8	0.7	
13:48			13:48	0.8	0.8	
13:49			13:49	0.8	0.8	
13:50			13:50	0.8	0.8	
13:51			13:51	0.8	0.8	
13:52			13:52	0.8	0.8	
13:53			13:53	0.9	0.8	
13:54			13:54	0.8	0.8	
13:55			13:55	0.9	0.8	
13:56			13:56	0.9	0.8	
13:57			13:57	0.9	0.8	
13:58			13:58	0.9	0.8	
13:59			13:59	1.0	0.8	
14:00			14:00	1.0	0.9	
14:01			14:01	0.9	0.9	
14:02			14:02	0.9	0.9	
14:03			14:03	0.9	0.9	
14:04			14:04	0.9	0.9	
14:05			14:05	0.9	0.9	
14:06			14:06	1.0	0.9	
14:07			14:07	1.0	0.9	
14:08			14:08	1.0	0.9	
14:09			14:09	1.0	0.9	
14:10			14:10	1.0	0.9	
14:11			14:11	1.0	1.0	
14:12			14:12	1.0	1.0	
14:13			14:13	1.1	1.0	
14:14			14:14	1.1	1.0	
14:15			14:15	1.0	1.0	

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:16			14:16	1.0	1.0	
14:17			14:17	1.1	1.0	
14:18			14:18	1.1	1.0	
14:19			14:19	1.1	1.0	
14:20			14:20	1.1	1.0	
14:21			14:21	1.1	1.0	
14:22			14:22	1.1	1.1	
14:23			14:23	1.1	1.1	
14:24			14:24	1.1	1.1	
14:25			14:25	1.1	1.1	
14:26			14:26	1.1	1.1	
14:27			14:27	1.1	1.1	
14:28			14:28	1.1	1.1	
14:29			14:29	1.2	1.1	
14:30			14:30	1.1	1.1	
14:31			14:31	1.1	1.1	
14:32			14:32	1.2	1.1	
14:33			14:33	1.2	1.1	
14:34			14:34	1.2	1.1	
14:35			14:35	1.2	1.1	
14:36			14:36	1.2	1.1	
14:37			14:37	1.2	1.1	
14:38			14:38	1.2	1.2	
14:39			14:39	1.2	1.2	
14:40			14:40	1.2	1.2	
14:41			14:41	1.2	1.2	
14:42			14:42	1.2	1.2	
14:43			14:43	1.2	1.2	
14:44			14:44	1.2	1.2	
14:45			14:45	1.2	1.2	
14:46			14:46	1.2	1.2	
14:47			14:47	1.2	1.2	
14:48			14:48	1.2	1.2	
14:49			14:49	1.2	1.2	
14:50			14:50	1.2	1.2	
14:51			14:51	1.2	1.2	
14:52			14:52	1.2	1.2	
14:53			14:53	1.3	1.2	
14:54			14:54	1.3	1.2	
14:55			14:55	1.3	1.2	
14:56			14:56	1.3	1.2	
14:57			14:57	1.3	1.2	
14:58			14:58	1.3	1.2	
14:59			14:59	1.3	1.2	
15:00			15:00	1.3	1.3	
15:01			15:01	1.3	1.3	
15:02			15:02	1.3	1.3	
15:03			15:03	1.3	1.3	
15:04			15:04	1.3	1.3	
15:05			15:05	1.3	1.3	
15:06			15:06	1.3	1.3	
15:07			15:07	1.3	1.3	
15:08			15:08	1.3	1.3	
15:09			15:09	1.3	1.3	
15:10			15:10	1.3	1.3	
15:11			15:11	1.3	1.3	
15:12			15:12	1.3	1.3	
15:13			15:13	1.3	1.3	
15:14			15:14	1.3	1.3	
15:15			15:15	1.3	1.3	
15:16			15:16	1.3	1.3	
15:17			15:17	1.3	1.3	
15:18			15:18	1.3	1.3	
15:19			15:19	1.3	1.3	
15:20			15:20	1.3	1.3	
15:21			15:21	1.3	1.3	
15:22			15:22	1.3	1.3	
15:23			15:23	1.3	1.3	
15:24			15:24	1.3	1.3	
15:25			15:25	1.3	1.3	
15:26			15:26	1.3	1.3	

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:27			15:27	1.3	1.3	
15:28			15:28	1.3	1.3	
15:29			15:29	1.3	1.3	
15:30			15:30	1.4	1.3	
15:31			15:31	1.3	1.3	
15:32			15:32	1.4	1.3	
15:33			15:33	1.4	1.3	
15:34			15:34	1.4	1.3	
15:35			15:35	1.4	1.3	
15:36			15:36	1.4	1.3	
15:37			15:37	1.4	1.3	
15:38			15:38	1.3	1.3	
15:39			15:39	1.3	1.3	
15:40			15:40	1.4	1.4	
15:41			15:41	1.4	1.4	
15:42			15:42	1.4	1.4	
15:43			15:43	1.4	1.4	
15:44			15:44	1.4	1.4	
15:45			15:45	1.4	1.4	
15:46			15:46	1.4	1.4	
15:47			15:47	1.4	1.4	
15:48			15:48	1.4	1.4	
15:49			15:49	1.4	1.4	
15:50			15:50	1.4	1.4	
15:51			15:51	1.5	1.4	
15:52			15:52	1.4	1.4	
15:53			15:53	1.4	1.4	
15:54			15:54	1.4	1.4	
15:55			15:55	1.4	1.4	
15:56			15:56	1.4	1.4	
15:57			15:57	1.4	1.4	
15:58			15:58	1.4	1.4	
15:59			15:59	1.5	1.4	
16:00			16:00	1.4	1.4	
16:01			16:01	1.4	1.4	
16:02			16:02	1.4	1.4	
16:03			16:03	1.4	1.4	
16:04			16:04	1.4	1.4	
16:05			16:05	1.4	1.4	
16:06			16:06	1.4	1.4	
16:07			16:07	1.4	1.4	
16:08			16:08	1.4	1.4	
16:09			16:09	1.4	1.4	
16:10			16:10	1.4	1.4	
16:11			16:11	1.4	1.4	
16:12			16:12	1.4	1.4	
16:13			16:13	1.4	1.4	

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/10/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.028	0.023
Maximum 15min Average	0.041	0.027
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.000	0.025
Maximum 1min Reading	0.300	0.037

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.3	0.3
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	1.2	1.2

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.

March 10, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						400
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	
7:25	0.118		7:25			
7:26	0.026		7:26			
7:27	0.035		7:27	0.037		
7:28	0.022		7:28	0.025		
7:29	0.023		7:29	0.021		
7:30	0.024		7:30	0.021		
7:31	0.034		7:31	0.025		
7:32	0.027		7:32	0.033		
7:33	0.026		7:33	0.021		
7:34	0.026		7:34	0.023		
7:35	0.031		7:35	0.021		
7:36	0.036		7:36	0.038		
7:37	0.030		7:37	0.028		
7:38	0.032		7:38	0.027		
7:39	0.030	0.035	7:39	0.028		
7:40	0.028	0.029	7:40	0.026		
7:41	0.029	0.029	7:41	0.028	0.027	-
7:42	0.028	0.028	7:42	0.028	0.026	-
7:43	0.031	0.029	7:43	0.028	0.026	-
7:44	0.027	0.029	7:44	0.021	0.026	-
7:45	0.028	0.030	7:45	0.027	0.027	-
7:46	0.036	0.030	7:46	0.023	0.027	-
7:47	0.028	0.030	7:47	0.022	0.026	-
7:48	0.031	0.030	7:48	0.028	0.026	-
7:49	0.037	0.031	7:49	0.025	0.027	-
7:50	0.032	0.031	7:50	0.023	0.027	-
7:51	0.029	0.030	7:51	0.022	0.026	-
7:52	0.030	0.030	7:52	0.021	0.025	-
7:53	0.027	0.030	7:53	0.021	0.025	-
7:54	0.030	0.030	7:54	0.021	0.024	-
7:55	0.030	0.030	7:55	0.022	0.024	-
7:56	0.030	0.030	7:56	0.023	0.024	-
7:57	0.030	0.030	7:57	0.023	0.023	-
7:58	0.030	0.030	7:58	0.023	0.023	-
7:59	0.031	0.031	7:59	0.023	0.023	-
8:00	0.041	0.031	8:00	0.024	0.023	-
8:01	0.031	0.031	8:01	0.023	0.023	-
8:02	0.036	0.032	8:02	0.023	0.023	-
8:03	0.034	0.032	8:03	0.023	0.023	-
8:04	0.036	0.032	8:04	0.032	0.023	-
8:05	0.057	0.033	8:05	0.034	0.024	-
8:06	0.034	0.034	8:06	0.025	0.024	-
8:07	0.037	0.034	8:07	0.024	0.024	-
8:08	0.036	0.035	8:08	0.024	0.024	-
8:09	0.046	0.036	8:09	0.029	0.025	-
8:10	0.062	0.038	8:10	0.026	0.025	-
8:11	0.069	0.041	8:11	0.027	0.026	-
8:12	0.032	0.041	8:12	0.025	0.026	-
8:13	0.034	0.041	8:13	0.025	0.026	-
8:14	0.036	0.041	8:14	0.024	0.026	-
8:15	0.031	0.041	8:15	0.030	0.026	-
8:16	0.033	0.041	8:16	0.034	0.027	-
8:17	0.036	0.041	8:17	0.026	0.027	-
8:18	0.035	0.041	8:18	0.025	0.027	-
8:19	0.037	0.041	8:19	0.027	0.027	-
8:20	0.044	0.040	8:20	0.026	0.026	-
8:21	0.035	0.040	8:21	0.026	0.027	-
8:22	0.032	0.040	8:22	0.027	0.027	-
8:23	0.038	0.040	8:23	0.031	0.027	-
8:24	0.036	0.039	8:24	0.026	0.027	-
8:25	0.030	0.037	8:25	0.026	0.027	-
8:26	0.030	0.035	8:26	0.024	0.027	-
8:27	0.028	0.034	8:27	0.025	0.027	-
8:28	0.028	0.034	8:28	0.023	0.027	-
8:29	0.030	0.034	8:29	0.023	0.027	-

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	
8:30	0.033	0.034	8:30	0.024	0.026	-
8:31	0.032	0.034	8:31	0.024	0.026	-
8:32	0.031	0.033	8:32	0.025	0.025	-
8:33	0.031	0.033	8:33	0.025	0.025	-
8:34	0.032	0.033	8:34	0.024	0.025	-
8:35	0.031	0.032	8:35	0.023	0.025	-
8:36	0.030	0.031	8:36	0.024	0.025	-
8:37	0.034	0.032	8:37	0.023	0.025	-
8:38	0.031	0.031	8:38	0.024	0.024	-
8:39	0.028	0.031	8:39	0.024	0.024	-
8:40	0.029	0.031	8:40	0.024	0.024	-
8:41	0.029	0.030	8:41	0.025	0.024	-
8:42	0.029	0.031	8:42	0.024	0.024	-
8:43	0.031	0.031	8:43	0.026	0.024	-
8:44	0.029	0.031	8:44	0.027	0.024	-
8:45	0.029	0.030	8:45	0.026	0.025	-
8:46	0.029	0.030	8:46	0.025	0.025	-
8:47	0.027	0.030	8:47	0.024	0.025	-
8:48	0.027	0.030	8:48	0.024	0.024	-
8:49	0.027	0.029	8:49	0.023	0.024	-
8:50	0.030	0.029	8:50	0.024	0.024	-
8:51	0.036	0.030	8:51	0.027	0.025	-
8:52	0.028	0.029	8:52	0.024	0.025	-
8:53	0.027	0.029	8:53	0.024	0.025	-
8:54	0.028	0.029	8:54	0.024	0.025	-
8:55	0.029	0.029	8:55	0.024	0.025	-
8:56	0.033	0.029	8:56	0.024	0.025	-
8:57	0.027	0.029	8:57	0.022	0.025	-
8:58	0.026	0.029	8:58	0.023	0.024	-
8:59	0.038	0.029	8:59	0.024	0.024	-
9:00	0.031	0.030	9:00	0.027	0.024	-
9:01	0.027	0.029	9:01	0.025	0.024	-
9:02	0.025	0.029	9:02	0.023	0.024	-
9:03	0.026	0.029	9:03	0.024	0.024	-
9:04	0.026	0.029	9:04	0.026	0.024	-
9:05	0.026	0.029	9:05	0.024	0.024	-
9:06	0.027	0.028	9:06	0.024	0.024	-
9:07	0.027	0.028	9:07	0.025	0.024	-
9:08	0.026	0.028	9:08	0.024	0.024	-
9:09	0.027	0.028	9:09	0.023	0.024	-
9:10	0.025	0.028	9:10	0.024	0.024	-
9:11	0.024	0.027	9:11	0.023	0.024	-
9:12	0.025	0.027	9:12	0.023	0.024	-
9:13	0.024	0.027	9:13	0.023	0.024	-
9:14	0.024	0.026	9:14	0.022	0.024	-
9:15	0.023	0.025	9:15	0.023	0.024	-
9:16	0.023	0.025	9:16	0.022	0.024	-
9:17	0.024	0.025	9:17	0.021	0.023	-
9:18	0.025	0.025	9:18	0.022	0.023	-
9:19	0.025	0.025	9:19	0.022	0.023	-
9:20	0.025	0.025	9:20	0.023	0.023	-
9:21	0.025	0.025	9:21	0.024	0.023	-
9:22	0.026	0.025	9:22	0.024	0.023	-
9:23	0.025	0.025	9:23	0.023	0.023	-
9:24	0.025	0.025	9:24	0.023	0.023	-
9:25	0.026	0.025	9:25	0.023	0.023	-
9:26	0.025	0.025	9:26	0.023	0.023	-
9:27	0.025	0.025	9:27	0.023	0.023	-
9:28	0.025	0.025	9:28	0.024	0.023	-
9:29	0.025	0.025	9:29	0.023	0.023	-
9:30	0.029	0.025	9:30	0.029	0.023	-
9:31	0.026	0.025	9:31	0.026	0.024	-
9:32	0.026	0.026	9:32	0.025	0.024	-
9:33	0.025	0.026	9:33	0.024	0.024	-
9:34	0.024	0.025	9:34	0.023	0.024	-
9:35	0.023	0.025	9:35	0.023	0.024	-
9:36	0.024	0.025	9:36	0.022	0.024	-
9:37	0.024	0.025	9:37	0.023	0.024	-

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	
9:38	0.024	0.025	9:38	0.022	0.024	-
9:39	0.023	0.025	9:39	0.023	0.024	-
9:40	0.024	0.025	9:40	0.023	0.024	-
9:41	0.025	0.025	9:41	0.024	0.024	-
9:42	0.026	0.025	9:42	0.024	0.024	-
9:43	0.026	0.025	9:43	0.024	0.024	-
9:44	0.028	0.025	9:44	0.024	0.024	-
9:45	0.025	0.025	9:45	0.024	0.024	-
9:46	0.025	0.025	9:46	0.024	0.023	-
9:47	0.025	0.025	9:47	0.023	0.023	-
9:48	0.024	0.025	9:48	0.024	0.023	-
9:49	0.025	0.025	9:49	0.025	0.023	-
9:50	0.025	0.025	9:50	0.024	0.024	-
9:51	0.025	0.025	9:51	0.024	0.024	-
9:52	0.024	0.025	9:52	0.024	0.024	-
9:53	0.024	0.025	9:53	0.024	0.024	-
9:54	0.023	0.025	9:54	0.023	0.024	-
9:55	0.023	0.025	9:55	0.024	0.024	-
9:56	0.023	0.025	9:56	0.023	0.024	-
9:57	0.025	0.025	9:57	0.023	0.024	-
9:58	0.025	0.025	9:58	0.022	0.024	-
9:59	0.022	0.024	9:59	0.022	0.024	-
10:00	0.023	0.024	10:00	0.023	0.023	-
10:01	0.024	0.024	10:01	0.023	0.023	-
10:02	0.022	0.024	10:02	0.023	0.023	-
10:03	0.022	0.024	10:03	0.022	0.023	-
10:04	0.022	0.023	10:04	0.022	0.023	-
10:05	0.024	0.023	10:05	0.024	0.023	-
10:06	0.023	0.023	10:06	0.023	0.023	-
10:07	0.021	0.023	10:07	0.021	0.023	-
10:08	0.021	0.023	10:08	0.020	0.023	-
10:09	0.022	0.023	10:09	0.021	0.022	-
10:10	0.023	0.023	10:10	0.020	0.022	-
10:11	0.020	0.023	10:11	0.019	0.022	-
10:12	0.019	0.022	10:12	0.018	0.022	-
10:13	0.019	0.022	10:13	0.018	0.021	-
10:14	0.019	0.022	10:14	0.019	0.021	-
10:15	0.019	0.021	10:15	0.019	0.021	-
10:16	0.020	0.021	10:16	0.019	0.021	-
10:17	0.019	0.021	10:17	0.019	0.020	-
10:18	0.019	0.021	10:18	0.020	0.020	-
10:19	0.022	0.021	10:19	0.019	0.020	-
10:20	0.019	0.020	10:20	0.019	0.020	-
10:21	0.020	0.020	10:21	0.019	0.019	-
10:22	0.019	0.020	10:22	0.019	0.019	-
10:23	0.019	0.020	10:23	0.018	0.019	-
10:24	0.020	0.020	10:24	0.018	0.019	-
10:25	0.019	0.019	10:25	0.018	0.019	-
10:26	0.019	0.019	10:26	0.017	0.019	-
10:27	0.018	0.019	10:27	0.017	0.019	-
10:28	0.019	0.019	10:28	0.017	0.018	-
10:29	0.021	0.019	10:29	0.017	0.018	-
10:30	0.019	0.019	10:30	0.016	0.018	-
10:31	0.019	0.019	10:31	0.017	0.018	-
10:32	0.019	0.019	10:32	0.017	0.018	-
10:33	0.020	0.019	10:33	0.016	0.018	-
10:34	0.019	0.019	10:34	0.017	0.017	-
10:35	0.020	0.019	10:35	0.016	0.017	-
10:36	0.019	0.019	10:36	0.016	0.017	-
10:37	0.020	0.019	10:37	0.018	0.017	-
10:38	0.020	0.019	10:38	0.017	0.017	-
10:39	0.020	0.019	10:39	0.017	0.017	-
10:40	0.020	0.019	10:40	0.017	0.017	-
10:41	0.020	0.020	10:41	0.017	0.017	-
10:42	0.020	0.020	10:42	0.017	0.017	-
10:43	0.020	0.020	10:43	0.017	0.017	-
10:44	0.020	0.020	10:44	0.017	0.017	-
10:45	0.023	0.020	10:45	0.018	0.017	-

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	
10:46	0.022	0.020	10:46	0.018	0.017	-
10:47	0.022	0.020	10:47	0.018	0.017	-
10:48	0.022	0.020	10:48	0.018	0.017	-
10:49	0.022	0.021	10:49	0.018	0.017	-
10:50	0.022	0.021	10:50	0.017	0.017	-
10:51	0.025	0.021	10:51	0.017	0.017	-
10:52	0.023	0.021	10:52	0.018	0.017	-
10:53	0.023	0.022	10:53	0.018	0.017	-
10:54	0.023	0.022	10:54	0.018	0.018	-
10:55	0.023	0.022	10:55	0.018	0.018	-
10:56	0.023	0.022	10:56	0.019	0.018	-
10:57	0.023	0.022	10:57	0.018	0.018	-
10:58	0.023	0.023	10:58	0.019	0.018	-
10:59	0.023	0.023	10:59	0.019	0.018	-
11:00	0.023	0.023	11:00	0.018	0.018	-
11:01	0.023	0.023	11:01	0.018	0.018	-
11:02	0.024	0.023	11:02	0.019	0.018	-
11:03	0.024	0.023	11:03	0.019	0.018	-
11:04	0.023	0.023	11:04	0.017	0.018	-
11:05	0.023	0.023	11:05	0.018	0.018	-
11:06	0.023	0.023	11:06	0.017	0.018	-
11:07	0.023	0.023	11:07	0.017	0.018	-
11:08	0.023	0.023	11:08	0.017	0.018	-
11:09	0.023	0.023	11:09	0.018	0.018	-
11:10	0.023	0.023	11:10	0.018	0.018	-
11:11	0.023	0.023	11:11	0.018	0.018	-
11:12	0.022	0.023	11:12	0.017	0.018	-
11:13	0.022	0.023	11:13	0.017	0.018	-
11:14	0.022	0.023	11:14	0.017	0.018	-
11:15	0.022	0.023	11:15	0.019	0.018	-
11:16	0.022	0.023	11:16	0.017	0.018	-
11:17	0.022	0.023	11:17	0.016	0.017	-
11:18	0.022	0.023	11:18	0.016	0.017	-
11:19	0.022	0.022	11:19	0.017	0.017	-
11:20	0.022	0.022	11:20	0.016	0.017	-
11:21	0.021	0.022	11:21	0.016	0.017	-
11:22	0.023	0.022	11:22	0.016	0.017	-
11:23	0.024	0.022	11:23	0.016	0.017	-
11:24	0.023	0.022	11:24	0.016	0.017	-
11:25	0.023	0.022	11:25	0.017	0.017	-
11:26	0.022	0.022	11:26	0.016	0.017	-
11:27	0.023	0.022	11:27	0.016	0.017	-
11:28	0.023	0.022	11:28	0.018	0.017	-
11:29	0.023	0.022	11:29	0.016	0.017	-
11:30	0.023	0.023	11:30	0.016	0.016	-
11:31	0.023	0.023	11:31	0.016	0.016	-
11:32	0.022	0.023	11:32	0.016	0.016	-
11:33	0.022	0.023	11:33	0.016	0.016	-
11:34	0.023	0.023	11:34	0.016	0.016	-
11:35	0.022	0.023	11:35	0.017	0.016	-
11:36	0.022	0.023	11:36	0.016	0.016	-
11:37	0.022	0.023	11:37	0.015	0.016	-
11:38	0.021	0.022	11:38	0.015	0.016	-
11:39	0.026	0.023	11:39	0.015	0.016	-
11:40	0.022	0.023	11:40	0.015	0.016	-
11:41	0.021	0.023	11:41	0.015	0.016	-
11:42	0.022	0.022	11:42	0.014	0.016	-
11:43	0.022	0.022	11:43	0.014	0.015	-
11:44	0.023	0.022	11:44	0.014	0.015	-
11:45	0.022	0.022	11:45	0.015	0.015	-
11:46	0.024	0.022	11:46	0.015	0.015	-
11:47	0.024	0.023	11:47	0.015	0.015	-
11:48	0.022	0.023	11:48	0.016	0.015	-
11:49	0.022	0.022	11:49	0.015	0.015	-
11:50	0.021	0.022	11:50	0.014	0.015	-
11:51	0.022	0.022	11:51	0.015	0.015	-
11:52	0.022	0.022	11:52	0.016	0.015	-
11:53	0.023	0.023	11:53	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	
11:54	0.025	0.022	11:54	0.014	0.015	-
11:55	0.023	0.023	11:55	0.014	0.015	-
11:56	0.022	0.023	11:56	0.015	0.015	-
11:57	0.022	0.023	11:57	0.015	0.015	-
11:58	0.022	0.023	11:58	0.015	0.015	-
11:59	0.023	0.023	11:59	0.014	0.015	-
12:00	0.023	0.023	12:00	0.015	0.015	-
12:01	0.022	0.023	12:01	0.015	0.015	-
12:02	0.022	0.022	12:02	0.014	0.015	-
12:03	0.023	0.022	12:03	0.015	0.015	-
12:04	0.022	0.022	12:04	0.015	0.015	-
12:05	0.021	0.022	12:05	0.015	0.015	-
12:06	0.021	0.022	12:06	0.014	0.015	-
12:07	0.022	0.022	12:07	0.015	0.015	-
12:08	0.023	0.022	12:08	0.015	0.015	-
12:09	0.022	0.022	12:09	0.014	0.015	-
12:10	0.023	0.022	12:10	0.014	0.015	-
12:11	0.022	0.022	12:11	0.014	0.015	-
12:12	0.021	0.022	12:12	0.014	0.015	-
12:13	0.021	0.022	12:13	0.014	0.014	-
12:14	0.021	0.022	12:14	0.014	0.014	-
12:15	0.022	0.022	12:15	0.014	0.014	-
12:16	0.021	0.022	12:16	0.014	0.014	-
12:17	0.022	0.022	12:17	0.014	0.014	-
12:18	0.022	0.022	12:18	0.013	0.014	-
12:19	0.021	0.022	12:19	0.014	0.014	-
12:20	0.021	0.022	12:20	0.013	0.014	-
12:21	0.022	0.022	12:21	0.014	0.014	-
12:22	0.021	0.022	12:22	0.014	0.014	-
12:23	0.022	0.022	12:23	0.014	0.014	-
12:24	0.022	0.022	12:24	0.013	0.014	-
12:25	0.022	0.022	12:25	0.013	0.014	-
12:26	0.022	0.022	12:26	0.013	0.014	-
12:27	0.022	0.022	12:27	0.013	0.014	-
12:28	0.021	0.022	12:28	0.013	0.014	-
12:29	0.022	0.022	12:29	0.014	0.014	-
12:30	0.022	0.022	12:30	0.015	0.014	-
12:31	0.022	0.022	12:31	0.014	0.014	-
12:32	0.022	0.022	12:32	0.015	0.014	-
12:33	0.026	0.022	12:33	0.014	0.014	-
12:34	0.024	0.022	12:34	0.013	0.014	-
12:35	0.022	0.022	12:35	0.013	0.014	-
12:36	0.023	0.022	12:36	0.017	0.014	-
12:37	0.023	0.022	12:37	0.017	0.014	-
12:38	0.022	0.022	12:38	0.014	0.014	-
12:39	0.024	0.023	12:39	0.014	0.014	-
12:40	0.022	0.023	12:40	0.016	0.014	-
12:41	0.024	0.023	12:41	0.030	0.015	-
12:42	0.025	0.023	12:42	0.017	0.016	-
12:43	0.023	0.023	12:43	0.019	0.016	-
12:44	0.023	0.023	12:44	0.021	0.017	-
12:45	0.024	0.023	12:45	0.027	0.017	-
12:46	0.022	0.023	12:46	0.035	0.019	-
12:47	0.023	0.023	12:47	0.026	0.020	-
12:48	0.024	0.023	12:48	0.020	0.020	-
12:49	0.024	0.023	12:49	0.023	0.021	-
12:50	0.021	0.023	12:50	0.021	0.021	-
12:51	0.021	0.023	12:51	0.014	0.021	-
12:52	0.021	0.023	12:52	0.016	0.021	-
12:53	0.022	0.023	12:53	0.020	0.021	-
12:54	0.023	0.023	12:54	0.016	0.021	-
12:55	0.023	0.023	12:55	0.014	0.021	-
12:56	0.023	0.023	12:56	0.013	0.020	-
12:57	0.022	0.023	12:57	0.014	0.020	-
12:58	0.023	0.023	12:58	0.013	0.020	-
12:59	0.022	0.023	12:59	0.013	0.019	-
13:00	0.022	0.022	13:00	0.013	0.018	-
13:01	0.022	0.022	13:01	0.013	0.017	-

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	
13:02	0.022	0.022	13:02	0.013	0.016	-
13:03	0.023	0.022	13:03	0.013	0.015	-
13:04	0.022	0.022	13:04	0.013	0.015	-
13:05	0.022	0.022	13:05	0.013	0.014	-
13:06	0.023	0.022	13:06	0.013	0.014	-
13:07	0.023	0.022	13:07	0.012	0.014	-
13:08	0.021	0.022	13:08	0.011	0.013	-
13:09	0.021	0.022	13:09	0.011	0.013	-
13:10	0.020	0.022	13:10	0.011	0.013	-
13:11	0.022	0.022	13:11	0.012	0.013	-
13:12	0.021	0.022	13:12	0.012	0.012	-
13:13	0.020	0.022	13:13	0.011	0.012	-
13:14	0.020	0.022	13:14	0.012	0.012	-
13:15	0.020	0.021	13:15	0.012	0.012	-
13:16	0.018	0.021	13:16	0.011	0.012	-
13:17	0.019	0.021	13:17	0.011	0.012	-
13:18	0.020	0.021	13:18	0.011	0.012	-
13:19	0.020	0.021	13:19	0.011	0.012	-
13:20	0.020	0.021	13:20	0.011	0.011	-
13:21	0.020	0.020	13:21	0.012	0.011	-
13:22	0.019	0.020	13:22	0.011	0.011	-
13:23	0.019	0.020	13:23	0.011	0.011	-
13:24	0.019	0.020	13:24	0.011	0.011	-
13:25	0.018	0.020	13:25	0.011	0.011	-
13:26	0.019	0.019	13:26	0.011	0.011	-
13:27	0.021	0.019	13:27	0.012	0.011	-
13:28	0.020	0.019	13:28	0.011	0.011	-
13:29	0.019	0.019	13:29	0.011	0.011	-
13:30	0.018	0.019	13:30	0.010	0.011	-
13:31	0.018	0.019	13:31	0.010	0.011	-
13:32	0.019	0.019	13:32	0.010	0.011	-
13:33	0.018	0.019	13:33	0.010	0.011	-
13:34	0.019	0.019	13:34	0.011	0.011	-
13:35	0.019	0.019	13:35	0.010	0.011	-
13:36	0.018	0.019	13:36	0.010	0.011	-
13:37	0.020	0.019	13:37	0.012	0.011	-
13:38	0.020	0.019	13:38	0.010	0.011	-
13:39	0.023	0.019	13:39	0.011	0.011	-
13:40	0.018	0.019	13:40	0.010	0.011	-
13:41	0.018	0.019	13:41	0.010	0.011	-
13:42	0.019	0.019	13:42	0.010	0.010	-
13:43	0.019	0.019	13:43	0.010	0.010	-
13:44	0.020	0.019	13:44	0.010	0.010	-
13:45	0.018	0.019	13:45	0.010	0.010	-
13:46	0.019	0.019	13:46	0.010	0.010	-
13:47	0.018	0.019	13:47	0.010	0.010	-
13:48	0.019	0.019	13:48	0.011	0.010	-
13:49	0.019	0.019	13:49	0.011	0.010	-
13:50	0.019	0.019	13:50	0.011	0.010	-
13:51	0.020	0.019	13:51	0.012	0.011	-
13:52	0.019	0.019	13:52	0.011	0.010	-
13:53	0.019	0.019	13:53	0.011	0.011	-
13:54	0.019	0.019	13:54	0.011	0.011	-
13:55	0.019	0.019	13:55	0.012	0.011	-
13:56	0.018	0.019	13:56	0.011	0.011	-
13:57	0.019	0.019	13:57	0.011	0.011	-
13:58	0.019	0.019	13:58	0.011	0.011	-
13:59	0.018	0.019	13:59	0.011	0.011	-
14:00	0.019	0.019	14:00	0.011	0.011	-
14:01	0.018	0.019	14:01	0.011	0.011	-
14:02	0.019	0.019	14:02	0.011	0.011	-
14:03	0.019	0.019	14:03	0.011	0.011	-
14:04	0.019	0.019	14:04	0.011	0.011	-
14:05	0.019	0.019	14:05	0.011	0.011	-
14:06	0.019	0.019	14:06	0.011	0.011	-
14:07	0.019	0.019	14:07	0.011	0.011	-
14:08	0.019	0.019	14:08	0.011	0.011	-
14:09	0.020	0.019	14:09	0.012	0.011	-

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	
14:10	0.020	0.019	14:10	0.012	0.011	-
14:11	0.020	0.019	14:11	0.011	0.011	-
14:12	0.019	0.019	14:12	0.011	0.011	-
14:13	0.020	0.019	14:13	0.012	0.011	-
14:14	0.020	0.019	14:14	0.011	0.011	-
14:15	0.020	0.019	14:15	0.012	0.011	-
14:16	0.020	0.019	14:16	0.012	0.011	-
14:17	0.019	0.019	14:17	0.012	0.011	-
14:18	0.019	0.019	14:18	0.011	0.011	-
14:19	0.018	0.019	14:19	0.011	0.011	-
14:20	0.019	0.019	14:20	0.012	0.011	-
14:21	0.020	0.019	14:21			
14:22	0.019	0.019	14:22			
14:23	0.021	0.020	14:23			

March 10, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						400
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37	0.0		
7:38	0.0		7:38	0.0		
7:39	0.0		7:39	0.0		
7:40	0.0		7:40	0.0		
7:41	0.0		7:41	0.0		
7:42	0.0		7:42	0.0		
7:43	0.0		7:43	0.0		
7:44	0.0		7:44	0.0		
7:45	0.0		7:45	0.0		
7:46	0.0		7:46	0.0		
7:47	0.0		7:47	0.0		
7:48	0.0		7:48	0.0		
7:49	0.0	0.0	7:49	0.0		
7:50	0.0	0.0	7:50	0.0		
7:51	0.0	0.0	7:51	0.0	0.0	-
7:52	0.0	0.0	7:52	0.0	0.0	-
7:53	0.0	0.0	7:53	0.0	0.0	-
7:54	0.0	0.0	7:54	0.0	0.0	-
7:55	0.0	0.0	7:55	0.0	0.0	-
7:56	0.1	0.0	7:56	0.0	0.0	-
7:57	0.1	0.0	7:57	0.0	0.0	-
7:58	0.1	0.0	7:58	0.1	0.0	-
7:59	0.0	0.0	7:59	0.0	0.0	-
8:00	0.1	0.0	8:00	0.0	0.0	-
8:01	0.1	0.0	8:01	0.0	0.0	-
8:02	0.1	0.0	8:02	0.0	0.0	-
8:03	0.1	0.0	8:03	0.0	0.0	-
8:04	0.1	0.1	8:04	0.0	0.0	-
8:05	0.1	0.1	8:05	0.0	0.0	-
8:06	0.1	0.1	8:06	0.0	0.0	-
8:07	0.1	0.1	8:07	0.0	0.0	-
8:08	0.1	0.1	8:08	0.0	0.0	-
8:09	0.2	0.1	8:09	0.0	0.0	-
8:10	0.2	0.1	8:10	0.0	0.0	-
8:11	0.2	0.1	8:11	0.0	0.0	-
8:12	0.2	0.1	8:12	0.0	0.0	-
8:13	0.2	0.1	8:13	0.1	0.0	-
8:14	0.2	0.1	8:14	0.2	0.0	-
8:15	0.2	0.1	8:15	0.1	0.0	-
8:16	0.2	0.2	8:16	0.1	0.0	-
8:17	0.2	0.2	8:17	0.1	0.0	-
8:18	0.2	0.2	8:18	0.1	0.0	-
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	0.3	0.2	8:26	0.1	0.1	-
8:27	0.3	0.2	8:27	0.1	0.1	-
8:28	0.3	0.2	8:28	0.1	0.1	-
8:29	0.3	0.2	8:29	0.1	0.1	-
8:30	0.3	0.2	8:30	0.1	0.1	-
8:31	0.3	0.2	8:31	0.1	0.1	-
8:32	0.3	0.2	8:32	0.1	0.1	-
8:33	0.3	0.3	8:33	0.1	0.1	-
8:34	0.3	0.3	8:34	0.1	0.1	-
8:35	0.3	0.3	8:35	0.1	0.1	-
8:36	0.3	0.3	8:36	0.1	0.1	-
8:37	0.3	0.3	8:37	0.1	0.1	-
8:38	0.4	0.3	8:38	0.1	0.1	-
8:39	0.3	0.3	8:39	0.1	0.1	-
8:40	0.3	0.3	8:40	0.3	0.1	-
8:41	0.3	0.3	8:41	0.1	0.1	-
8:42	0.3	0.3	8:42	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:43	0.3	0.3	8:43	0.1	0.1	-
8:44	0.3	0.3	8:44	0.1	0.1	-
8:45	0.3	0.3	8:45	0.1	0.1	-
8:46	0.3	0.3	8:46	0.1	0.1	-
8:47	0.3	0.3	8:47	0.1	0.1	-
8:50	0.3	0.3	8:50	0.1	0.1	-
8:51	0.3	0.3	8:51	0.1	0.1	-
8:52	0.3	0.3	8:52	0.1	0.1	-
8:53	0.3	0.3	8:53	0.1	0.1	-
8:54	0.3	0.3	8:54	0.1	0.1	-
8:55	0.4	0.3	8:55	0.1	0.1	-
8:56	0.3	0.3	8:56	0.1	0.1	-
8:57	0.3	0.3	8:57	0.1	0.1	-
8:58	0.2	0.3	8:58	0.1	0.1	-
8:59	0.3	0.3	8:59	0.1	0.1	-
9:00	0.3	0.3	9:00	0.1	0.1	-
9:01	0.2	0.3	9:01	0.1	0.1	-
9:02	0.2	0.3	9:02	0.1	0.1	-
9:03	0.2	0.3	9:03	0.1	0.1	-
9:04	0.2	0.3	9:04	0.1	0.1	-
9:05	0.2	0.3	9:05	0.1	0.1	-
9:06	0.2	0.3	9:06	0.1	0.1	-
9:07	0.2	0.3	9:07	0.1	0.1	-
9:08	0.8	0.3	9:08	0.1	0.1	-
9:09	0.4	0.3	9:09	0.2	0.1	-
9:10	0.2	0.3	9:10	0.2	0.1	-
9:11	0.2	0.3	9:11	0.1	0.1	-
9:12	0.2	0.3	9:12	0.1	0.1	-
9:13	0.3	0.3	9:13	0.1	0.1	-
9:14	0.6	0.3	9:14	0.2	0.1	-
9:15	0.5	0.3	9:15	0.2	0.1	-
9:16	0.2	0.3	9:16	0.2	0.1	-
9:17	0.2	0.3	9:17	0.2	0.1	-
9:18	0.2	0.3	9:18	0.1	0.1	-
9:19	0.2	0.3	9:19	0.1	0.1	-
9:20	0.2	0.3	9:20	0.1	0.1	-
9:21	0.2	0.3	9:21	0.1	0.1	-
9:22	0.2	0.3	9:22	0.1	0.1	-
9:23	0.2	0.3	9:23	0.1	0.1	-
9:24	0.1	0.2	9:24	0.1	0.1	-
9:25	0.2	0.2	9:25	0.1	0.1	-
9:26	0.1	0.2	9:26	0.1	0.1	-
9:27	0.1	0.2	9:27	0.1	0.1	-
9:28	0.1	0.2	9:28	0.1	0.1	-
9:29	0.1	0.2	9:29	0.1	0.1	-
9:30	0.1	0.2	9:30	0.1	0.1	-
9:31	0.1	0.2	9:31	0.1	0.1	-
9:32	0.1	0.1	9:32	0.1	0.1	-
9:33	0.1	0.1	9:33	0.1	0.1	-
9:34	0.1	0.1	9:34	0.1	0.1	-
9:35	0.1	0.1	9:35	0.1	0.1	-
9:36	0.1	0.1	9:36	0.1	0.1	-
9:37	0.1	0.1	9:37	0.1	0.1	-
9:38	0.1	0.1	9:38	0.1	0.1	-
9:39	0.1	0.1	9:39	0.1	0.1	-
9:40	0.1	0.1	9:40	0.1	0.1	-
9:41	0.1	0.1	9:41	0.1	0.1	-
9:42	0.1	0.1	9:42	0.1	0.1	-
9:43	0.1	0.1	9:43	0.1	0.1	-
9:44	0.1	0.1	9:44	0.1	0.1	-
9:45	0.1	0.1	9:45	0.1	0.1	-
9:46	0.1	0.1	9:46	0.1	0.1	-
9:47	0.1	0.1	9:47	0.1	0.1	-
9:48	0.1	0.1	9:48	0.1	0.1	-
9:49	0.1	0.1	9:49	0.1	0.1	-
9:50	0.1	0.1	9:50	0.1	0.1	-
9:51	0.3	0.1	9:51	0.1	0.1	-
9:52	0.1	0.1	9:52	0.1	0.1	-
9:53	0.1	0.1	9:53	0.1	0.1	-
9:54	0.1	0.1	9:54	0.2	0.1	-
9:55	0.1	0.1	9:55	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:56	0.1	0.1	9:56	0.1	0.1	-
9:57	0.1	0.1	9:57	0.1	0.1	-
9:58	0.1	0.1	9:58	0.1	0.1	-
9:59	0.1	0.1	9:59	0.1	0.1	-
10:00	0.1	0.1	10:00	0.1	0.1	-
10:01	0.1	0.1	10:01	0.1	0.1	-
10:02	0.1	0.1	10:02	0.1	0.1	-
10:03	0.1	0.1	10:03	0.1	0.1	-
10:04	0.1	0.1	10:04	0.1	0.1	-
10:05	0.1	0.1	10:05	0.1	0.1	-
10:06	0.1	0.1	10:06	0.1	0.1	-
10:07	0.0	0.1	10:07	0.1	0.1	-
10:08	0.0	0.1	10:08	0.1	0.1	-
10:09	0.0	0.1	10:09	0.1	0.1	-
10:10	0.1	0.1	10:10	0.1	0.1	-
10:11	0.0	0.1	10:11	0.1	0.1	-
10:12	0.0	0.1	10:12	0.1	0.1	-
10:13	0.0	0.1	10:13	0.1	0.1	-
10:14	0.1	0.1	10:14	0.1	0.1	-
10:15	0.1	0.1	10:15	0.1	0.1	-
10:16	0.0	0.1	10:16	0.1	0.1	-
10:17	0.0	0.0	10:17	0.1	0.1	-
10:18	0.1	0.0	10:18	0.1	0.1	-
10:19	0.1	0.0	10:19	0.1	0.1	-
10:20	0.1	0.0	10:20	0.1	0.1	-
10:21	0.1	0.0	10:21	0.1	0.1	-
10:22	0.1	0.1	10:22	0.1	0.1	-
10:23	0.1	0.1	10:23	0.1	0.1	-
10:24	0.1	0.1	10:24	0.1	0.1	-
10:25	0.1	0.1	10:25	0.1	0.1	-
10:26	0.1	0.1	10:26	0.1	0.1	-
10:27	0.1	0.1	10:27	0.1	0.1	-
10:28	0.1	0.1	10:28	0.1	0.1	-
10:29	0.1	0.1	10:29	0.1	0.1	-
10:30	0.1	0.1	10:30	0.1	0.1	-
10:31	0.1	0.1	10:31	0.1	0.1	-
10:32	0.1	0.1	10:32	0.1	0.1	-
10:33	0.1	0.1	10:33	0.1	0.1	-
10:34	0.1	0.1	10:34	0.1	0.1	-
10:35	0.1	0.1	10:35	0.1	0.1	-
10:36	0.1	0.1	10:36	0.1	0.1	-
10:37	0.1	0.1	10:37	0.1	0.1	-
10:38	0.1	0.1	10:38	0.1	0.1	-
10:39	0.1	0.1	10:39	0.1	0.1	-
10:40	0.2	0.1	10:40	0.1	0.1	-
10:41	0.2	0.1	10:41	0.1	0.1	-
10:42	0.2	0.1	10:42	0.1	0.1	-
10:43	0.2	0.1	10:43	0.1	0.1	-
10:44	0.2	0.1	10:44	0.1	0.1	-
10:45	0.2	0.1	10:45	0.1	0.1	-
10:46	0.2	0.1	10:46	0.1	0.1	-
10:47	0.2	0.2	10:47	0.1	0.1	-
10:48	0.2	0.2	10:48	0.1	0.1	-
10:49	0.2	0.2	10:49	0.1	0.1	-
10:50	0.2	0.2	10:50	0.1	0.1	-
10:51	0.2	0.2	10:51	0.1	0.1	-
10:52	0.2	0.2	10:52	0.1	0.1	-
10:53	0.2	0.2	10:53	0.1	0.1	-
10:54	0.3	0.2	10:54	0.1	0.1	-
10:55	0.3	0.2	10:55	0.1	0.1	-
10:56	0.3	0.2	10:56	0.1	0.1	-
10:57	0.3	0.2	10:57	0.1	0.1	-
10:58	0.3	0.2	10:58	0.1	0.1	-
10:59	0.3	0.2	10:59	0.1	0.1	-
11:00	0.3	0.2	11:00	0.1	0.1	-
11:01	0.3	0.3	11:01	0.1	0.1	-
11:02	0.3	0.3	11:02	0.1	0.1	-
11:03	0.3	0.3	11:03	0.1	0.1	-
11:04	0.3	0.3	11:04	0.1	0.1	-
11:05	0.3	0.3	11:05	0.1	0.1	-
11:06	0.4	0.3	11:06	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:07	0.4	0.3	11:07	0.1	0.1	-
11:08	0.4	0.3	11:08	0.1	0.1	-
11:09	0.4	0.3	11:09	0.1	0.1	-
11:10	0.4	0.3	11:10	0.1	0.1	-
11:11	0.4	0.3	11:11	0.1	0.1	-
11:12	0.4	0.3	11:12	0.1	0.1	-
11:13	0.4	0.4	11:13	0.1	0.1	-
11:14	0.4	0.4	11:14	0.1	0.1	-
11:15	0.4	0.4	11:15	0.1	0.1	-
11:16	0.4	0.4	11:16	0.1	0.1	-
11:17	0.4	0.4	11:17	0.1	0.1	-
11:18	0.4	0.4	11:18	0.1	0.1	-
11:19	0.4	0.4	11:19	0.1	0.1	-
11:20	0.4	0.4	11:20	0.1	0.1	-
11:21	0.4	0.4	11:21	0.1	0.1	-
11:22	0.4	0.4	11:22	0.1	0.1	-
11:23	0.4	0.4	11:23	0.1	0.1	-
11:24	0.4	0.4	11:24	0.1	0.1	-
11:25	0.4	0.4	11:25	0.1	0.1	-
11:26	0.4	0.4	11:26	0.1	0.1	-
11:27	0.5	0.4	11:27	0.100	0.1	-
11:28	0.5	0.4	11:28	0.100	0.1	-
11:29	0.5	0.4	11:29	0.100	0.1	-
11:30	0.5	0.4	11:30	0.100	0.1	-
11:31	0.5	0.4	11:31	0.100	0.1	-
11:32	0.5	0.4	11:32	0.100	0.1	-
11:33	0.5	0.4	11:33	0.100	0.1	-
11:34	0.5	0.5	11:34	0.100	0.1	-
11:35	0.5	0.5	11:35	0.100	0.1	-
11:36	0.6	0.5	11:36	0.100	0.1	-
11:37	0.6	0.5	11:37	0.100	0.1	-
11:38	0.6	0.5	11:38	0.100	0.1	-
11:39	0.6	0.5	11:39	0.100	0.1	-
11:40	0.6	0.5	11:40	0.100	0.1	-
11:41	0.6	0.5	11:41	0.100	0.1	-
11:42	0.6	0.5	11:42	0.100	0.1	-
11:43	0.6	0.6	11:43	0.100	0.1	-
11:44	0.7	0.6	11:44	0.100	0.1	-
11:45	0.7	0.6	11:45	0.100	0.1	-
11:46	0.6	0.6	11:46	0.100	0.1	-
11:47	0.7	0.6	11:47	0.100	0.1	-
11:48	0.7	0.6	11:48	0.100	0.1	-
11:49	0.7	0.6	11:49	0.100	0.1	-
11:50	0.7	0.6	11:50	0.100	0.1	-
11:51	0.7	0.6	11:51	0.100	0.1	-
11:52	0.7	0.7	11:52	0.100	0.1	-
11:53	0.7	0.7	11:53	0.100	0.1	-
11:54	0.7	0.7	11:54	0.100	0.1	-
11:55	0.8	0.7	11:55	0.100	0.1	-
11:56	0.7	0.7	11:56	0.100	0.1	-
11:57	0.7	0.7	11:57	0.100	0.1	-
11:58	0.8	0.7	11:58	0.100	0.1	-
11:59	0.8	0.7	11:59	0.100	0.1	-
12:00	0.8	0.7	12:00	0.100	0.1	-
12:01	0.8	0.7	12:01	0.100	0.1	-
12:02	0.8	0.7	12:02	0.100	0.1	-
12:03	0.8	0.7	12:03	0.100	0.1	-
12:04	0.8	0.8	12:04	0.100	0.1	-
12:05	0.8	0.8	12:05	0.100	0.1	-
12:06	0.8	0.8	12:06	0.100	0.1	-
12:07	0.8	0.8	12:07	0.100	0.1	-
12:08	0.8	0.8	12:08	0.100	0.1	-
12:09	0.8	0.8	12:09	0.100	0.1	-
12:10	0.8	0.8	12:10	0.100	0.1	-
12:11	0.9	0.8	12:11	0.100	0.1	-
12:12	0.9	0.8	12:12	0.100	0.1	-
12:13	0.8	0.8	12:13	0.100	0.1	-
12:14	0.9	0.8	12:14	0.100	0.1	-
12:15	0.9	0.8	12:15	0.100	0.1	-
12:16	0.9	0.8	12:16	0.100	0.1	-
12:17	0.9	0.8	12:17	0.100	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:18	0.9	0.8	12:18	0.100	0.1	-
12:19	0.9	0.9	12:19	0.100	0.1	-
12:20	0.9	0.9	12:20	0.100	0.1	-
12:21	0.9	0.9	12:21	0.100	0.1	-
12:22	0.9	0.9	12:22	0.100	0.1	-
12:23	0.9	0.9	12:23	0.100	0.1	-
12:24	0.9	0.9	12:24	0.100	0.1	-
12:25	0.9	0.9	12:25	0.100	0.1	-
12:26	0.9	0.9	12:26	0.100	0.1	-
12:27	0.9	0.9	12:27	0.100	0.1	-
12:28	0.9	0.9	12:28	0.100	0.1	-
12:29	0.9	0.9	12:29	0.100	0.1	-
12:30	0.9	0.9	12:30	0.100	0.1	-
12:31	0.9	0.9	12:31	0.100	0.1	-
12:32	0.9	0.9	12:32	0.100	0.1	-
12:33	0.9	0.9	12:33	0.100	0.1	-
12:34	0.9	0.9	12:34	0.100	0.1	-
12:35	0.9	0.9	12:35	0.100	0.1	-
12:36	0.9	0.9	12:36	0.100	0.1	-
12:37	0.9	0.9	12:37	0.100	0.1	-
12:38	0.9	0.9	12:38	0.100	0.1	-
12:39	0.9	0.9	12:39	0.100	0.1	-
12:40	0.9	0.9	12:40	0.100	0.1	-
12:41	0.9	0.9	12:41	0.100	0.1	-
12:42	1.0	0.9	12:42	0.100	0.1	-
12:43	1.0	0.9	12:43	0.100	0.1	-
12:44	1.0	0.9	12:44	0.100	0.1	-
12:45	1.0	0.9	12:45	0.100	0.1	-
12:46	1.0	0.9	12:46	0.100	0.1	-
12:47	0.9	0.9	12:47	0.100	0.1	-
12:48	0.9	0.9	12:48	0.100	0.1	-
12:49	1.0	0.9	12:49	0.100	0.1	-
12:50	1.0	0.9	12:50	0.100	0.1	-
12:51	1.0	1.0	12:51	0.100	0.1	-
12:52	1.0	1.0	12:52	0.100	0.1	-
12:53	1.0	1.0	12:53	0.100	0.1	-
12:54	1.0	1.0	12:54	0.100	0.1	-
12:55	1.0	1.0	12:55	0.100	0.1	-
12:56	1.0	1.0	12:56	0.100	0.1	-
12:57	1.0	1.0	12:57	0.100	0.1	-
12:58	1.0	1.0	12:58	0.100	0.1	-
12:59	1.0	1.0	12:59	0.100	0.1	-
13:00	1.0	1.0	13:00	0.100	0.1	-
13:01	1.0	1.0	13:01	0.100	0.1	-
13:02	1.0	1.0	13:02	0.100	0.1	-
13:03	1.0	1.0	13:03	0.100	0.1	-
13:04	1.0	1.0	13:04	0.100	0.1	-
13:05	1.0	1.0	13:05	0.100	0.1	-
13:06	1.0	1.0	13:06	0.100	0.1	-
13:07	1.1	1.0	13:07	0.100	0.1	-
13:08	1.1	1.0	13:08	0.100	0.1	-
13:09	1.1	1.0	13:09	0.200	0.1	-
13:10	1.1	1.0	13:10	0.200	0.1	-
13:11	1.0	1.0	13:11	0.100	0.1	-
13:12	1.1	1.0	13:12	0.200	0.1	-
13:13	1.1	1.0	13:13	0.100	0.1	-
13:14	1.1	1.0	13:14	0.100	0.1	-
13:15	1.2	1.1	13:15	0.100	0.1	-
13:16	1.2	1.1	13:16	0.100	0.1	-
13:17	1.1	1.1	13:17	0.100	0.1	-
13:18	1.0	1.1	13:18	0.100	0.1	-
13:19	1.0	1.1	13:19	0.100	0.1	-
13:20	1.1	1.1	13:20	0.100	0.1	-
13:21	1.1	1.1	13:21	0.100	0.1	-
13:22	1.1	1.1	13:22	0.100	0.1	-
13:23	1.0	1.1	13:23	0.100	0.1	-
13:24	1.0	1.1	13:24	0.100	0.1	-
13:25	0.9	1.1	13:25	0.100	0.1	-
13:26	1.1	1.1	13:26	0.100	0.1	-
13:27	1.0	1.1	13:27	0.100	0.1	-
13:28	1.0	1.1	13:28	0.100	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:29	1.0	1.1	13:29	0.100	0.1	-
13:30	1.0	1.0	13:30	0.100	0.1	-
13:31	1.0	1.0	13:31	0.100	0.1	-
13:32	0.9	1.0	13:32	0.100	0.1	-
13:33	1.0	1.0	13:33	0.100	0.1	-
13:34	1.0	1.0	13:34	0.100	0.1	-
13:35	1.0	1.0	13:35	0.100	0.1	-
13:36	1.1	1.0	13:36	0.100	0.1	-
13:37	1.0	1.0	13:37	0.200	0.1	-
13:38	1.0	1.0	13:38	0.100	0.1	-
13:39	1.0	1.0	13:39	0.100	0.1	-
13:40	0.9	1.0	13:40	0.100	0.1	-
13:41	0.9	1.0	13:41	0.100	0.1	-
13:42	0.9	1.0	13:42	0.100	0.1	-
13:43	1.0	1.0	13:43	0.100	0.1	-
13:44	1.0	1.0	13:44	0.100	0.1	-
13:45	0.9	1.0	13:45	0.100	0.1	-
13:46	1.0	1.0	13:46	0.100	0.1	-
13:47	1.0	1.0	13:47	0.100	0.1	-
13:48	1.0	1.0	13:48	0.200	0.1	-
13:49	1.0	1.0	13:49	0.200	0.1	-
13:50	0.9	1.0	13:50	0.100	0.1	-
13:51	1.1	1.0	13:51	0.100	0.1	-
13:52	1.0	1.0	13:52	0.200	0.1	-
13:53	1.1	1.0	13:53	0.100	0.1	-
13:54	1.0	1.0	13:54	0.100	0.1	-
13:55	1.0	1.0	13:55	0.200	0.1	-
13:56	1.0	1.0	13:56	0.100	0.1	-
13:57	1.0	1.0	13:57	0.100	0.1	-
13:58	1.0	1.0	13:58	0.100	0.1	-
13:59	1.1	1.0	13:59	0.100	0.1	-
14:00	1.1	1.0	14:00	0.200	0.1	-
14:01	1.1	1.0	14:01	0.200	0.1	-
14:02	1.0	1.0	14:02	0.100	0.1	-
14:03	1.1	1.0	14:03	0.100	0.1	-
14:04	1.1	1.0	14:04	0.200	0.1	-
14:05	1.1	1.1	14:05	0.200	0.1	-
14:06	1.1	1.1	14:06	0.200	0.1	-
14:07	1.0	1.1	14:07	0.100	0.1	-
14:08	1.0	1.0	14:08	0.100	0.1	-
14:09	1.1	1.1	14:09	0.200	0.1	-
14:10	1.0	1.1	14:10	0.200	0.1	-
14:11	1.0	1.1	14:11	0.200	0.2	-
14:12	1.0	1.1	14:12	0.200	0.2	-
14:13	1.0	1.1	14:13	0.200	0.2	-
14:14	1.0	1.0	14:14	0.200	0.2	-
14:15	1.1	1.0	14:15	0.200	0.2	-
14:16	1.1	1.0	14:16	0.200	0.2	-
14:17	1.1	1.1	14:17	0.200	0.2	-
14:18	1.1	1.1	14:18	0.200	0.2	-
14:19	1.1	1.1	14:19	0.200	0.2	-
14:20	1.2	1.1	14:20	0.200	0.2	-
14:21	1.1	1.1	14:21	0.200	0.2	-
14:22	1.2	1.1	14:22	0.200	0.2	-
14:23	1.2	1.1	14:23	0.200	0.2	-
14:24	1.2	1.1	14:24	0.200	0.2	-
14:25	1.2	1.1	14:25	0.200	0.2	-
14:26	1.1	1.1	14:26	0.200	0.2	-
14:27	1.1	1.1	14:27	0.200	0.2	-
14:28	1.1	1.1	14:28	0.200	0.2	-
14:29	1.1	1.1	14:29	0.200	0.2	-
14:30	1.1	1.1	14:30	0.200	0.2	-
14:31	1.1	1.1	14:31			
14:32	1.1	1.1	14:32			

LANGAN

240 Huntington Street
170430001
CAMP Data Summary

Date: 3/11/2021
Observer: Ashley Stappenbeck

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.062	0.057
Maximum 15min Average	0.104	0.085
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.000	0.068
Maximum 1min Reading	0.100	0.073

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.1	1.5
High Intervals "exceedances"	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.1	1.6

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.

March 11, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						198
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	
7:40	0.060		7:40			
7:41	0.065		7:41			
7:42	0.069		7:42	0.073		
7:43	0.067		7:43	0.068		
7:44	0.080		7:44	0.078		
7:45	0.065		7:45	0.088		
7:46	0.063		7:46	0.136		
7:47	0.059		7:47	0.077		
7:48	0.061		7:48	0.058		
7:49	0.062		7:49	0.058		
7:50	0.060		7:50	0.062		
7:51	0.059		7:51	0.059		
7:52	0.060		7:52	0.055		
7:53	0.062		7:53	0.056		
7:54	0.062	0.064	7:54	0.057		
7:55	0.063	0.064	7:55	0.054		
7:56	0.063	0.064	7:56	0.053	0.069	-
7:57	0.064	0.063	7:57	0.054	0.068	-
7:58	0.066	0.063	7:58	0.055	0.067	-
7:59	0.067	0.062	7:59	0.055	0.065	-
8:00	0.069	0.063	8:00	0.057	0.063	-
8:01	0.069	0.063	8:01	0.058	0.058	-
8:02	0.069	0.064	8:02	0.059	0.057	-
8:03	0.069	0.064	8:03	0.058	0.057	-
8:04	0.069	0.065	8:04	0.058	0.057	-
8:05	0.070	0.065	8:05	0.060	0.057	-
8:06	0.072	0.066	8:06	0.062	0.057	-
8:07	0.072	0.067	8:07	0.063	0.057	-
8:08	0.076	0.068	8:08	0.079	0.059	-
8:09	0.091	0.070	8:09	0.076	0.060	-
8:10	0.103	0.073	8:10	0.076	0.062	-
8:11	0.093	0.075	8:11	0.075	0.063	-
8:12	0.083	0.076	8:12	0.073	0.064	-
8:13	0.125	0.080	8:13	0.081	0.066	-
8:14	0.139	0.085	8:14	0.083	0.068	-
8:15	0.140	0.089	8:15	0.084	0.070	-
8:16	0.113	0.092	8:16	0.090	0.072	-
8:17	0.091	0.094	8:17	0.085	0.074	-
8:18	0.084	0.095	8:18	0.097	0.076	-
8:19	0.084	0.096	8:19	0.094	0.079	-
8:20	0.083	0.097	8:20	0.088	0.080	-
8:21	0.093	0.098	8:21	0.083	0.082	-
8:22	0.103	0.100	8:22	0.078	0.083	-
8:23	0.107	0.102	8:23	0.087	0.083	-
8:24	0.104	0.103	8:24	0.089	0.084	-
8:25	0.099	0.103	8:25	0.076	0.084	-
8:26	0.106	0.104	8:26	0.073	0.084	-
8:27	0.096	0.104	8:27	0.079	0.084	-
8:28	0.098	0.103	8:28	0.084	0.085	-
8:29	0.100	0.100	8:29	0.076	0.084	-
8:30	0.100	0.097	8:30	0.073	0.083	-
8:31	0.091	0.096	8:31	0.076	0.083	-
8:32	0.091	0.096	8:32	0.079	0.082	-
8:33	0.092	0.096	8:33	0.076	0.081	-
8:34	0.097	0.097	8:34	0.069	0.079	-
8:35	0.094	0.098	8:35	0.070	0.078	-
8:36	0.091	0.098	8:36	0.071	0.077	-
8:37	0.092	0.097	8:37	0.073	0.077	-
8:38	0.098	0.097	8:38	0.075	0.076	-
8:39	0.101	0.096	8:39	0.073	0.075	-
8:40	0.102	0.097	8:40	0.083	0.075	-
8:41	0.101	0.096	8:41	0.147	0.080	-
8:42	0.102	0.097	8:42	0.316	0.096	-
8:43	0.148	0.100	8:43	0.199	0.104	-
8:44	0.193	0.106	8:44	0.121	0.107	-

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	
8:45	0.150	0.110	8:45	0.097	0.108	-
8:46	0.154	0.114	8:46	0.078	0.108	-
8:47	0.111	0.115	8:47	0.078	0.108	-
8:48	0.095	0.115	8:48	0.079	0.109	-
8:49	0.088	0.115	8:49	0.072	0.109	-
8:50	0.086	0.114	8:50	0.075	0.109	-
8:51	0.082	0.114	8:51	0.076	0.109	-
8:52	0.082	0.113	8:52	0.071	0.109	-
8:53	0.077	0.111	8:53	0.071	0.109	-
8:54	0.066	0.109	8:54	0.070	0.109	-
8:55	0.072	0.107	8:55	0.073	0.108	-
8:56	0.077	0.106	8:56	0.067	0.103	-
8:57	0.077	0.104	8:57	0.067	0.086	-
8:58	0.096	0.100	8:58	0.069	0.078	-
8:59	0.110	0.095	8:59	0.130	0.078	-
9:00	0.106	0.092	9:00	0.146	0.081	-
9:01	0.102	0.088	9:01	0.090	0.082	-
9:02	0.070	0.086	9:02	0.070	0.082	-
9:03	0.060	0.083	9:03	0.063	0.081	-
9:04	0.060	0.082	9:04	0.057	0.080	-
9:05	0.059	0.080	9:05	0.060	0.079	-
9:06	0.057	0.078	9:06	0.059	0.078	-
9:07	0.059	0.077	9:07	0.071	0.078	-
9:08	0.061	0.075	9:08	0.101	0.080	-
9:09	0.058	0.075	9:09	0.089	0.081	-
9:10	0.059	0.074	9:10	0.076	0.081	-
9:11	0.062	0.073	9:11	0.063	0.081	-
9:12	0.058	0.072	9:12	0.058	0.080	-
9:13	0.057	0.069	9:13	0.057	0.079	-
9:14	0.056	0.066	9:14	0.059	0.075	-
9:15	0.057	0.062	9:15	0.060	0.069	-
9:16	0.057	0.059	9:16	0.061	0.067	-
9:17	0.059	0.059	9:17	0.065	0.067	-
9:18	0.077	0.060	9:18	0.074	0.067	-
9:19	0.084	0.061	9:19	0.080	0.069	-
9:20	0.079	0.063	9:20	0.084	0.070	-
9:21	0.069	0.063	9:21	0.075	0.072	-
9:22	0.066	0.064	9:22	0.072	0.072	-
9:23	0.063	0.064	9:23	0.068	0.069	-
9:24	0.061	0.064	9:24	0.067	0.068	-
9:25	0.068	0.065	9:25	0.064	0.067	-
9:26	0.063	0.065	9:26	0.064	0.067	-
9:27	0.062	0.065	9:27	0.062	0.067	-
9:28	0.061	0.065	9:28	0.060	0.068	-
9:29	0.059	0.066	9:29	0.057	0.068	-
9:30	0.061	0.066	9:30	0.057	0.067	-
9:31	0.060	0.066	9:31	0.060	0.067	-
9:32	0.069	0.067	9:32	0.063	0.067	-
9:33	0.064	0.066	9:33	0.063	0.066	-
9:34	0.063	0.065	9:34	0.062	0.065	-
9:35	0.058	0.063	9:35	0.060	0.064	-
9:36	0.081	0.064	9:36	0.062	0.063	-
9:37	0.065	0.064	9:37	0.059	0.062	-
9:38	0.062	0.064	9:38	0.058	0.061	-
9:39	0.061	0.064	9:39	0.058	0.061	-
9:40	0.061	0.063	9:40	0.060	0.060	-
9:41	0.061	0.063	9:41	0.061	0.060	-
9:42	0.073	0.064	9:42	0.065	0.060	-
9:43	0.090	0.066	9:43	0.078	0.062	-
9:44	0.086	0.068	9:44	0.077	0.063	-
9:45	0.092	0.070	9:45	0.076	0.064	-
9:46	0.072	0.071	9:46	0.071	0.065	-
9:47	0.068	0.070	9:47	0.082	0.066	-
9:48	0.061	0.070	9:48	0.087	0.068	-
9:49	0.064	0.070	9:49	0.083	0.069	-
9:50	0.064	0.071	9:50	0.075	0.070	-
9:51	0.062	0.069	9:51	0.070	0.071	-
9:52	0.057	0.069	9:52	0.074	0.072	-

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	
9:53	0.056	0.069	9:53	0.076	0.073	-
9:54	0.057	0.068	9:54	0.060	0.073	-
9:55	0.058	0.068	9:55	0.059	0.073	-
9:56	0.061	0.068	9:56	0.061	0.073	-
9:57	0.057	0.067	9:57	0.058	0.072	-
9:58	0.057	0.065	9:58	0.058	0.071	-
9:59	0.060	0.063	9:59	0.057	0.070	-
10:00	0.063	0.061	10:00	0.057	0.069	-
10:01	0.061	0.060	10:01	0.062	0.068	-
10:02	0.056	0.060	10:02	0.060	0.066	-
10:03	0.058	0.059	10:03	0.058	0.065	-
10:04	0.059	0.059	10:04	0.059	0.063	-
10:05	0.059	0.059	10:05	0.061	0.062	-
10:06	0.059	0.059	10:06	0.062	0.061	-
10:07	0.061	0.059	10:07	0.069	0.061	-
10:08	0.058	0.059	10:08	0.058	0.060	-
10:09	0.056	0.059	10:09	0.060	0.060	-
10:10	0.057	0.059	10:10	0.058	0.060	-
10:11	0.062	0.059	10:11	0.063	0.060	-
10:12	0.061	0.059	10:12	0.060	0.060	-
10:13	0.062	0.059	10:13	0.060	0.060	-
10:14	0.057	0.059	10:14	0.061	0.061	-
10:15	0.052	0.059	10:15	0.061	0.061	-
10:16	0.052	0.058	10:16	0.062	0.061	-
10:17	0.053	0.058	10:17	0.056	0.061	-
10:18	0.055	0.058	10:18	0.059	0.061	-
10:19	0.055	0.057	10:19	0.061	0.061	-
10:20	0.051	0.057	10:20	0.061	0.061	-
10:21	0.053	0.056	10:21	0.067	0.061	-
10:22	0.054	0.056	10:22	0.069	0.061	-
10:23	0.056	0.056	10:23	0.069	0.062	-
10:24	0.056	0.056	10:24	0.069	0.062	-
10:25	0.054	0.056	10:25	0.062	0.063	-
10:26	0.054	0.055	10:26	0.082	0.064	-
10:27	0.060	0.055	10:27	0.070	0.065	-
10:28	0.066	0.055	10:28	0.066	0.065	-
10:29	0.064	0.056	10:29	0.070	0.066	-
10:30	0.062	0.056	10:30	0.069	0.066	-
10:31	0.052	0.056	10:31	0.067	0.066	-
10:32	0.054	0.056	10:32	0.069	0.067	-
10:33	0.059	0.057	10:33	0.067	0.068	-
10:34	0.057	0.057	10:34	0.060	0.068	-
10:35	0.053	0.057	10:35	0.060	0.068	-
10:36	0.053	0.057	10:36	0.058	0.067	-
10:37	0.057	0.057	10:37	0.059	0.066	-
10:38	0.054	0.057	10:38	0.058	0.066	-
10:39	0.055	0.057	10:39	0.059	0.065	-
10:40	0.057	0.057	10:40	0.059	0.065	-
10:41	0.059	0.057	10:41	0.059	0.063	-
10:42	0.059	0.057	10:42	0.062	0.063	-
10:43	0.054	0.057	10:43	0.059	0.062	-
10:44	0.054	0.056	10:44	0.059	0.062	-
10:45	0.056	0.056	10:45	0.056	0.061	-
10:46	0.058	0.056	10:46	0.056	0.060	-
10:47	0.055	0.056	10:47	0.056	0.059	-
10:48	0.055	0.056	10:48	0.055	0.058	-
10:49	0.056	0.056	10:49	0.054	0.058	-
10:50	0.056	0.056	10:50	0.056	0.058	-
10:51	0.055	0.056	10:51	0.056	0.058	-
10:52	0.054	0.056	10:52	0.054	0.057	-
10:53	0.056	0.056	10:53	0.056	0.057	-
10:54	0.055	0.056	10:54	0.057	0.057	-
10:55	0.055	0.056	10:55	0.056	0.057	-
10:56	0.055	0.056	10:56	0.056	0.057	-
10:57	0.057	0.055	10:57	0.056	0.056	-
10:58	0.057	0.056	10:58	0.057	0.056	-
10:59	0.053	0.056	10:59	0.056	0.056	-
11:00	0.054	0.055	11:00	0.054	0.056	-

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	
11:01	0.052	0.055	11:01	0.053	0.055	-
11:02	0.053	0.055	11:02	0.055	0.055	-
11:03	0.055	0.055	11:03	0.056	0.055	-
11:04	0.054	0.055	11:04	0.057	0.056	-
11:05	0.052	0.054	11:05	0.054	0.056	-
11:06	0.051	0.054	11:06	0.054	0.055	-
11:07	0.053	0.054	11:07	0.055	0.055	-
11:08	0.055	0.054	11:08	0.055	0.055	-
11:09	0.054	0.054	11:09	0.055	0.055	-
11:10	0.053	0.054	11:10	0.055	0.055	-
11:11	0.053	0.054	11:11	0.055	0.055	-
11:12	0.051	0.053	11:12	0.054	0.055	-
11:13	0.052	0.053	11:13	0.053	0.055	-
11:14	0.054	0.053	11:14			
11:15	0.056	0.053	11:15			

March 11, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						197
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:50			7:50	0.3		
7:51			7:51	0.5		
7:52			7:52	0.4		
7:53	0.0		7:53	0.5		
7:54	0.0		7:54	0.4		
7:55	0.0		7:55	0.5		
7:56	0.0		7:56	0.5		
7:57	0.0		7:57	0.5		
7:58	0.0		7:58	0.6		
7:59	0.0		7:59	0.6		
8:00	0.0		8:00	0.6		
8:01	0.0		8:01	0.7		
8:02	0.0		8:02	0.7		
8:03	0.0		8:03	0.8		
8:04	0.0		8:04	0.8	0.6	
8:05	0.0		8:05	0.8	0.6	
8:06	0.0		8:06	0.8	0.6	
8:07	0.0	0.0	8:07	0.9	0.6	-
8:08	0.0	0.0	8:08	0.9	0.7	-
8:09	0.0	0.0	8:09	1.0	0.7	-
8:10	0.0	0.0	8:10	1.0	0.7	-
8:11	0.0	0.0	8:11	1.0	0.8	-
8:12	0.0	0.0	8:12	1.0	0.8	-
8:13	0.0	0.0	8:13	1.0	0.8	-
8:14	0.0	0.0	8:14	1.1	0.9	-
8:15	0.0	0.0	8:15	1.1	0.9	-
8:16	0.0	0.0	8:16	1.1	0.9	-
8:17	0.0	0.0	8:17	1.1	1.0	-
8:18	0.0	0.0	8:18	1.2	1.0	-
8:19	0.0	0.0	8:19	1.2	1.0	-
8:20	0.0	0.0	8:20	1.3	1.0	-
8:21	0.0	0.0	8:21	1.2	1.1	-
8:22	0.0	0.0	8:22	1.3	1.1	-
8:23	0.0	0.0	8:23	1.3	1.1	-
8:24	0.0	0.0	8:24	1.3	1.1	-
8:25	0.0	0.0	8:25	1.4	1.2	-
8:26	0.0	0.0	8:26	1.3	1.2	-
8:27	0.1	0.0	8:27	1.3	1.2	-
8:28	0.1	0.0	8:28	1.3	1.2	-
8:29	0.1	0.0	8:29	1.3	1.2	-
8:30	0.1	0.0	8:30	1.4	1.3	-
8:31	0.0	0.0	8:31	1.5	1.3	-
8:32	0.0	0.0	8:32	1.5	1.3	-
8:33	0.1	0.0	8:33	1.5	1.3	-
8:34	0.1	0.0	8:34	1.5	1.4	-
8:35	0.0	0.0	8:35	1.5	1.4	-
8:36	0.0	0.0	8:36	1.5	1.4	-
8:37	0.0	0.0	8:37	1.5	1.4	-
8:38	0.0	0.0	8:38	1.5	1.4	-
8:39	0.0	0.0	8:39	1.5	1.4	-
8:40	0.0	0.0	8:40	1.5	1.4	-
8:41	0.0	0.0	8:41	1.4	1.4	-
8:42	0.1	0.0	8:42	1.4	1.5	-
8:43	0.1	0.0	8:43	1.5	1.5	-
8:44	0.0	0.0	8:44	1.5	1.5	-
8:45	0.0	0.0	8:45	1.5	1.5	-
8:46	0.1	0.0	8:46	1.5	1.5	-
8:47	0.1	0.0	8:47	1.5	1.5	-
8:48	0.1	0.0	8:48	1.5	1.5	-
8:49	0.1	0.0	8:49	1.5	1.5	-
8:50	0.1	0.0	8:50	1.5	1.5	-
8:51	0.1	0.1	8:51	1.5	1.5	-
8:52	0.1	0.1	8:52	1.5	1.5	-
8:53	0.1	0.1	8:53	1.5	1.5	-
8:54	0.1	0.1	8:54	1.5	1.5	-
8:55	0.1	0.1	8:55	1.5	1.5	-
8:56	0.0	0.1	8:56	1.5	1.5	-
8:57	0.0	0.1	8:57	1.5	1.5	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:58	0.1	0.1	8:58	1.6	1.5	-
8:59	0.1	0.1	8:59	1.6	1.5	-
9:00	0.1	0.1	9:00	1.6	1.5	-
9:01	0.1	0.1	9:01	1.5	1.5	-
9:02	0.1	0.1	9:02	1.5	1.5	-
9:05	0.1	0.1	9:05	1.5	1.5	-
9:06	0.0	0.1	9:06	1.5	1.5	-
9:07	0.1	0.1	9:07	1.5	1.5	-
9:08	0.1	0.1	9:08	1.4	1.5	-
9:09	0.1	0.1	9:09	1.4	1.5	-
9:10	0.1	0.1	9:10	1.4	1.5	-
9:11	0.1	0.1	9:11	1.4	1.5	-
9:12	0.1	0.1	9:12	1.4	1.5	-
9:13	0.1	0.1	9:13	1.4	1.5	-
9:14	0.1	0.1	9:14	1.4	1.5	-
9:15	0.1	0.1	9:15	1.4	1.4	-
9:16	0.1	0.1	9:16	1.4	1.4	-
9:17	0.1	0.1	9:17	1.5	1.4	-
9:18	0.1	0.1	9:18	1.3	1.4	-
9:19	0.1	0.1	9:19	1.4	1.4	-
9:20	0.1	0.1	9:20	1.4	1.4	-
9:21	0.1	0.1	9:21	1.3	1.4	-
9:22	0.1	0.1	9:22	1.3	1.4	-
9:23	0.1	0.1	9:23	1.3	1.4	-
9:24	0.1	0.1	9:24	1.4	1.4	-
9:25	0.1	0.1	9:25	1.4	1.4	-
9:26	0.1	0.1	9:26	1.4	1.4	-
9:27	0.1	0.1	9:27	1.4	1.4	-
9:28	0.1	0.1	9:28	1.4	1.4	-
9:29	0.1	0.1	9:29	1.5	1.4	-
9:30	0.1	0.1	9:30	1.5	1.4	-
9:31	0.1	0.1	9:31	1.4	1.4	-
9:32	0.1	0.1	9:32	1.5	1.4	-
9:33	0.1	0.1	9:33	1.5	1.4	-
9:34	0.1	0.1	9:34	1.4	1.4	-
9:35	0.1	0.1	9:35	1.4	1.4	-
9:36	0.1	0.1	9:36	1.4	1.4	-
9:37	0.1	0.1	9:37	1.3	1.4	-
9:38	0.0	0.1	9:38	1.3	1.4	-
9:39	0.0	0.1	9:39	1.3	1.4	-
9:40	0.0	0.1	9:40	1.4	1.4	-
9:41	0.0	0.1	9:41	1.4	1.4	-
9:42	0.0	0.1	9:42	1.4	1.4	-
9:43	0.0	0.1	9:43	1.4	1.4	-
9:44	0.0	0.1	9:44	1.4	1.4	-
9:45	0.0	0.0	9:45	1.3	1.4	-
9:46	0.1	0.0	9:46	1.4	1.4	-
9:47	0.0	0.0	9:47	1.3	1.4	-
9:48	0.0	0.0	9:48	1.3	1.4	-
9:49	0.0	0.0	9:49	1.3	1.4	-
9:50	0.0	0.0	9:50	1.3	1.3	-
9:51	0.1	0.0	9:51	1.3	1.3	-
9:52	0.1	0.0	9:52	1.4	1.3	-
9:53	0.1	0.0	9:53	1.4	1.4	-
9:54	0.1	0.0	9:54	1.4	1.4	-
9:55	0.1	0.0	9:55	1.3	1.4	-
9:56	0.1	0.0	9:56	1.2	1.3	-
9:57	0.1	0.1	9:57	1.2	1.3	-
9:58	0.1	0.1	9:58	1.3	1.3	-
9:59	0.1	0.1	9:59	1.3	1.3	-
10:00	0.1	0.1	10:00	1.3	1.3	-
10:01	0.1	0.1	10:01	1.2	1.3	-
10:02	0.1	0.1	10:02	1.2	1.3	-
10:03	0.1	0.1	10:03	1.3	1.3	-
10:04	0.1	0.1	10:04	1.3	1.3	-
10:05	0.1	0.1	10:05	1.3	1.3	-
10:06	0.1	0.1	10:06	1.3	1.3	-
10:07	0.1	0.1	10:07	1.3	1.3	-
10:08	0.1	0.1	10:08	1.4	1.3	-
10:09	0.1	0.1	10:09	1.3	1.3	-
10:10	0.1	0.1	10:10	1.4	1.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:11	0.1	0.1	10:11	1.3	1.3	-
10:12	0.1	0.1	10:12	1.4	1.3	-
10:13	0.1	0.1	10:13	1.4	1.3	-
10:14	0.1	0.1	10:14	1.4	1.3	-
10:15	0.1	0.1	10:15	1.4	1.3	-
10:16	0.1	0.1	10:16	1.4	1.3	-
10:17	0.1	0.1	10:17	1.4	1.4	-
10:18	0.1	0.1	10:18	1.4	1.4	-
10:19	0.1	0.1	10:19	1.3	1.4	-
10:20	0.1	0.1	10:20	1.4	1.4	-
10:21	0.1	0.1	10:21	1.4	1.4	-
10:22	0.1	0.1	10:22	1.4	1.4	-
10:23	0.1	0.1	10:23	1.3	1.4	-
10:24	0.1	0.1	10:24	1.2	1.4	-
10:25	0.1	0.1	10:25	1.2	1.4	-
10:26	0.1	0.1	10:26	1.2	1.3	-
10:27	0.0	0.1	10:27	1.2	1.3	-
10:28	0.1	0.1	10:28	1.2	1.3	-
10:29	0.1	0.1	10:29	1.1	1.3	-
10:30	0.1	0.1	10:30	1.1	1.3	-
10:31	0.1	0.1	10:31	1.1	1.3	-
10:32	0.0	0.1	10:32	1.1	1.2	-
10:33	0.1	0.1	10:33	1.1	1.2	-
10:34	0.1	0.1	10:34	1.0	1.2	-
10:35	0.1	0.1	10:35	1.1	1.2	-
10:36	0.1	0.1	10:36	1.0	1.2	-
10:37	0.1	0.1	10:37	1.0	1.1	-
10:38	0.1	0.1	10:38	1.0	1.1	-
10:39	0.1	0.1	10:39	0.9	1.1	-
10:40	0.1	0.1	10:40	0.8	1.1	-
10:41	0.1	0.1	10:41	0.9	1.0	-
10:42	0.1	0.1	10:42	0.9	1.0	-
10:43	0.1	0.1	10:43	0.8	1.0	-
10:44	0.1	0.1	10:44	0.7	1.0	-
10:45	0.1	0.1	10:45	0.8	0.9	-
10:46	0.1	0.1	10:46	0.8	0.9	-
10:47	0.1	0.1	10:47	0.7	0.9	-
10:48	0.1	0.1	10:48	0.7	0.9	-
10:49	0.1	0.1	10:49	0.7	0.9	-
10:50	0.1	0.1	10:50	0.7	0.8	-
10:51	0.1	0.1	10:51	0.7	0.8	-
10:52	0.1	0.1	10:52	0.6	0.8	-
10:53	0.1	0.1	10:53	0.5	0.7	-
10:54	0.1	0.1	10:54	0.6	0.7	-
10:55	0.1	0.1	10:55	0.6	0.7	-
10:56	0.1	0.1	10:56	0.6	0.7	-
10:57	0.1	0.1	10:57	0.5	0.7	-
10:58	0.1	0.1	10:58	0.5	0.6	-
10:59	0.1	0.1	10:59	0.5	0.6	-
11:00	0.1	0.1	11:00	0.5	0.6	-
11:01	0.1	0.1	11:01	0.5	0.6	-
11:02	0.1	0.1	11:02	0.5	0.6	-
11:03	0.1	0.1	11:03	0.4	0.6	-
11:04	0.1	0.1	11:04	0.4	0.5	-
11:05	0.1	0.1	11:05	0.4	0.5	-
11:06	0.1	0.1	11:06	0.4	0.5	-
11:07	0.1	0.1	11:07	0.4	0.5	-
11:08	0.1	0.1	11:08	0.4	0.5	-
11:09	0.1	0.1	11:09	0.4	0.5	-
11:10	0.1	0.1	11:10	0.4	0.5	-
11:11	0.1	0.1	11:11	0.4	0.4	-
11:12	0.1	0.1	11:12	0.4	0.4	-
11:13	0.1	0.1	11:13	0.3	0.4	-
11:14	0.1	0.1	11:14	0.3	0.4	-
11:15	0.1	0.1	11:15	0.3	0.4	-
11:16	0.1	0.1	11:16	0.3	0.4	-
11:17	0.1	0.1	11:17	0.3	0.4	-
11:18	0.1	0.1	11:18	0.3	0.4	-
11:19	0.1	0.1	11:19	0.3	0.4	-
11:20	0.0	0.1	11:20	0.3	0.3	-
11:21	0.1	0.1	11:21	0.2	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:22	0.1	0.1	11:22	0.2	0.3	-
11:23	0.1	0.1	11:23	0.2	0.3	-
11:24			11:24	0.2	0.3	

APPENDIX H

SITE OBSERVATION REPORTS

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Monday, March 01, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 40-48 ^{0}F Wind: SW @ 0-5 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 2:00 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Ground Penetrating Radar (GPR) equipment
Trimble® GPS

PRESENT AT SITE:
Langan: Ashley Stappenbeck
Hager-Richter Geoscience, Inc.: (Geophysical Survey) – Alexis Martinez and Jose Carlos Calzada

Day 1

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Langan and Hager-Richter Geoscience, Inc. mobilized to the site.
- Langan photodocumented current site conditions and located accessible RI soil boring locations throughout the site. The southwestern part of the site was inaccessible due to standing water.
- Hager-Richter Geoscience, Inc. initiated a geophysical survey throughout to clear proposed RI boring locations and identify subsurface utilities and anomalies.

Sampling

- Samples were not collected today.

CAMP Activities

- The Community Air Monitoring Plan was not implemented because ground-intrusive activities did not take place.

Anticipated Activities

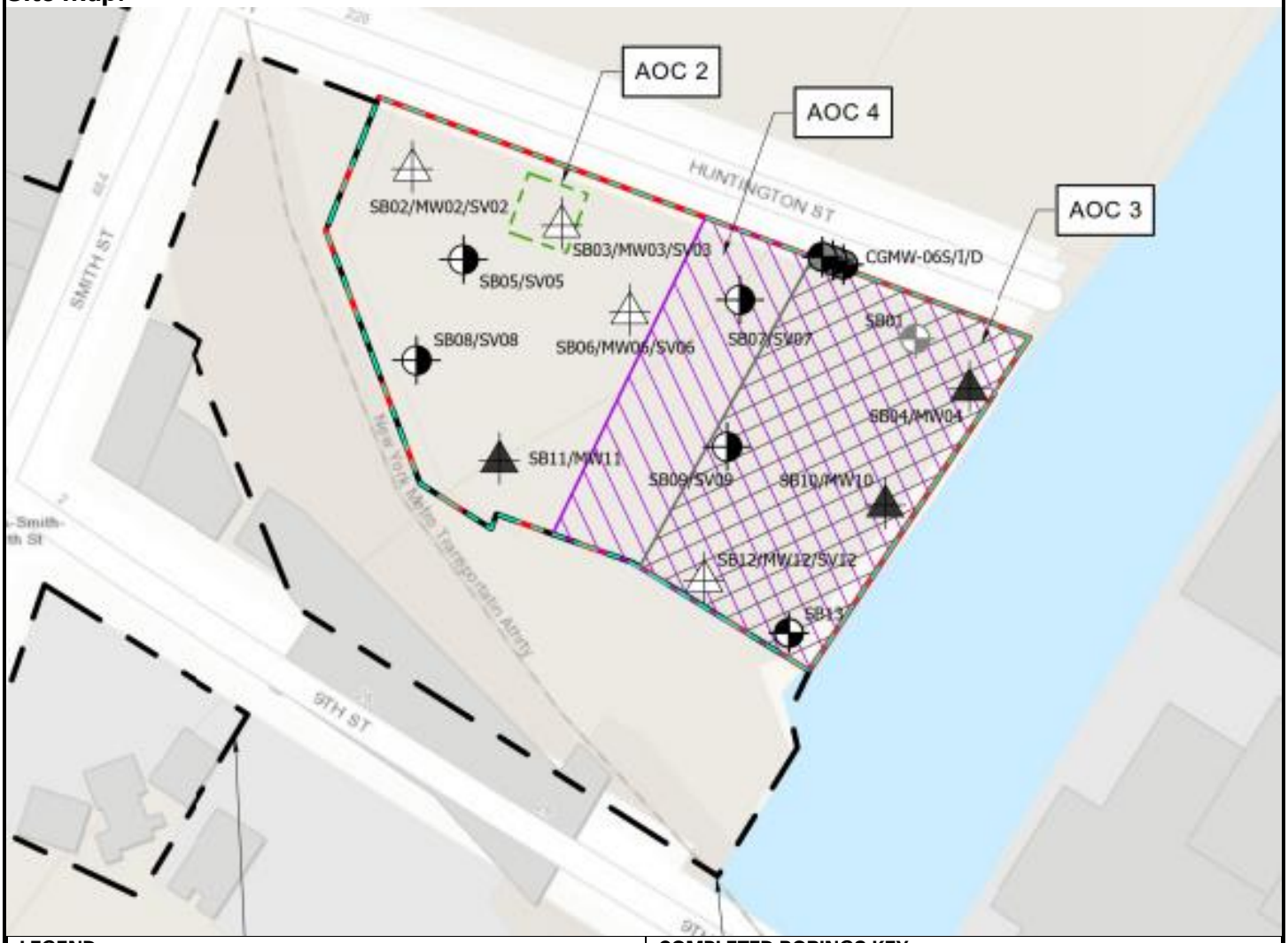
- Mobilize a Geoprobe® drilling rig and begin advancing soil borings
- Continue geophysical survey

Site Photos

Photo 1: Northwestern part of the site (facing northwest)

Photo 2: Southeastern part of the site (facing south)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Tuesday, March 02, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 28-32 ^{0}F Wind: NW @ 12-13 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:15 am – 6:00 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Ground Penetrating Radar (GPR) equipment
Trimble® GPS

PRESENT AT SITE:
Langan: Ashley Stappenbeck
Hager-Richter Geoscience, Inc.: (Geophysical Survey) – Alexis Martinez and Jose Carlos Calzada
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 2

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Langan, Hager-Richter Geoscience, Inc., and Lakewood Environmental Services, Corp. (Lakewood) mobilized to the site.
- Hager-Richter Geoscience, Inc. continued conducting a geophysical survey to clear proposed RI boring locations and identify subsurface utilities and anomalies. The southwestern part of the site was inaccessible due to standing water. Identified anomalies are shown on the site map below.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB04 to 18 feet below grade surface (bgs). The drill rig encountered refusal at depths ranging from 3 to 18 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Petroleum-like impacts were observed between 9 and 15 feet bgs, with a maximum PID reading of 119.7 parts per million (ppm).
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB09. The boring was advanced to 35 feet bgs and drilling in this location will continue tomorrow to reach 60 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Petroleum-like impacts were observed between 8 and 18 feet bgs, with a maximum PID reading of 131.6 ppm.
    - Coal tar-like impacts were observed between 30 and 35 feet bgs, with a maximum PID reading of 827.3 ppm
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB10. The drill rig encountered refusal between 5 and 7 feet bgs on six attempts.
- Langan and Lakewood will reevaluate drilling methods and return to locations SB04 and SB10.

Sampling

- The following samples were collected from boring SB04: SB04_0-0.5, SB04_6-8, SB04_12-14, SB04_15-17
- The following samples were collected from boring SB09: SB09_6-8, SB09_8-10, SB09_18-20
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB01_030221 (PFAS field blank)

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

- Continue to drill soil borings and install groundwater monitoring wells.

Site Photos

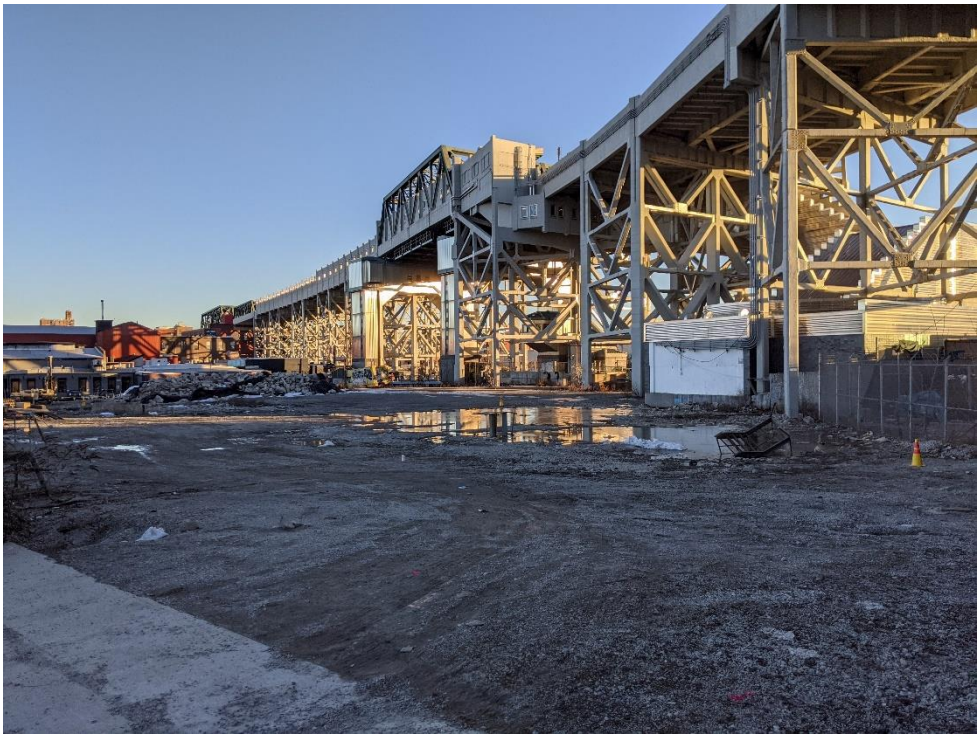
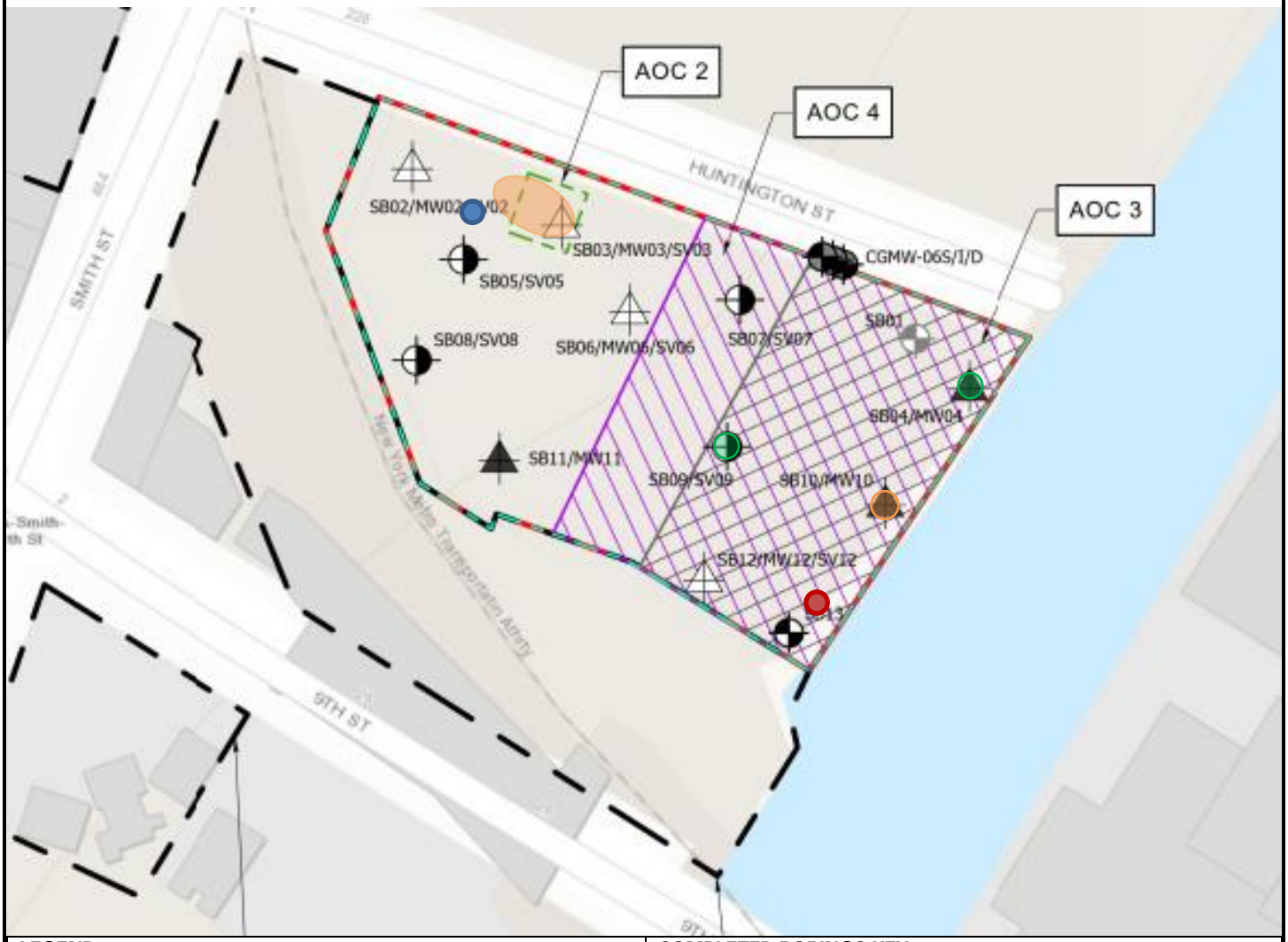


Photo 1: General site view (facing southeast)

Photo 2: Soil recovery in SB09 from 0 to 35 feet bgs (facing down)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring In Progress
- Soil Boring Refused
- Identified Geophysical Anomaly

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Wednesday, March 03, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 28-32 ^{0}F Wind: W @ 0 - 7 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 4:30 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Ashley Stappenbeck
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 3

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to continue advancing soil boring SB09 from 35 to 60 feet below grade surface (bgs). Langan previously collected soil samples in accordance with the RIWP on March 2, 2021.
    - Coal tar-like impacts were observed between 35 and 45 feet bgs and between 58 and 60 feet bgs, with a maximum PID reading of 243.0 parts per million (ppm).
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB12 to 60 feet below grade surface (bgs). Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Petroleum-like impacts were observed between 8 and 17 feet bgs, with a maximum PID reading of 14 ppm. No evidence of coal tar-like impacts was observed.
    - Monitoring well MW12 was installed in the SB12 borehole with an auger with a well screen set between 5 and 15 feet bgs.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB13 to 60 feet below grade surface (bgs). Langan did not collect soil samples from SB13 in accordance with the RIWP.
    - Petroleum-like impacts were observed between 12 and 20 feet bgs, with a maximum PID reading of 93.8 ppm.
    - Coal tar-like impacts were observed between 24 and 50 feet bgs, with a maximum PID reading of 218.9 ppm

Sampling

- The following samples were collected from boring SB12: SB12_0-0.5, SB12_0.5-2, SB12_8-10, SB12_18-20
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB02_030321 (PFAS field blank), SO_FB01_030321 (field blank), TB01_030321 (trip blank)

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- PM10 data was not collected between 7:50 am and 10:13 am due to flow errors in the DustTrak machines.
- Dust was not observed migrating off-site.

Anticipated Activities

- Continue to drill soil borings and install groundwater monitoring wells.

Site Photos

Photo 1: Geoprobe 6610DT® at SB12 location (facing north)

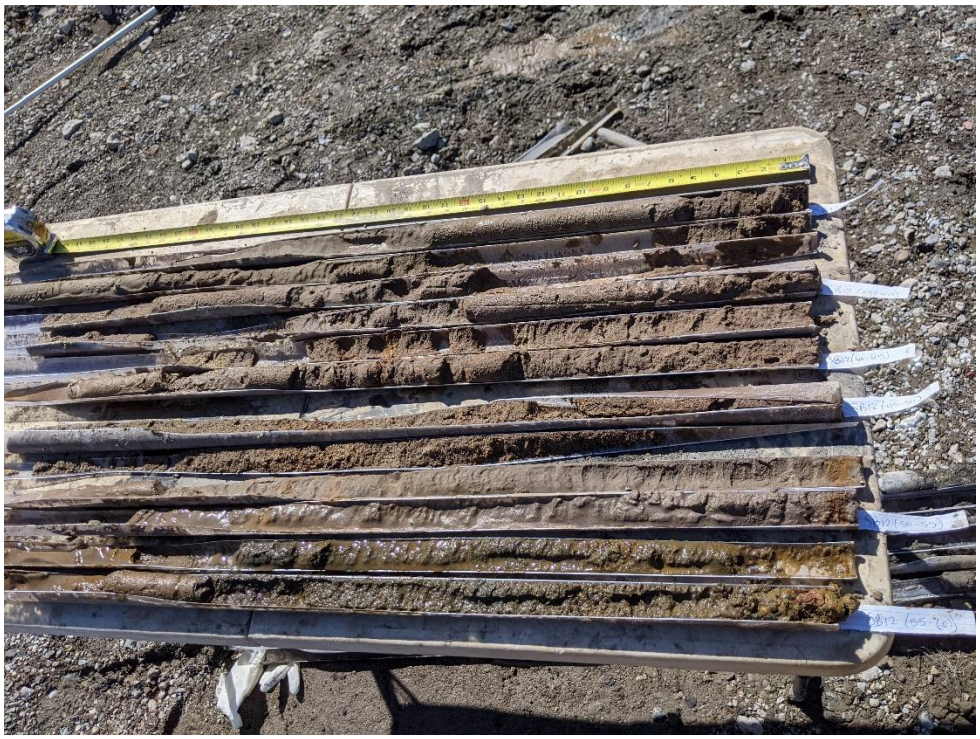
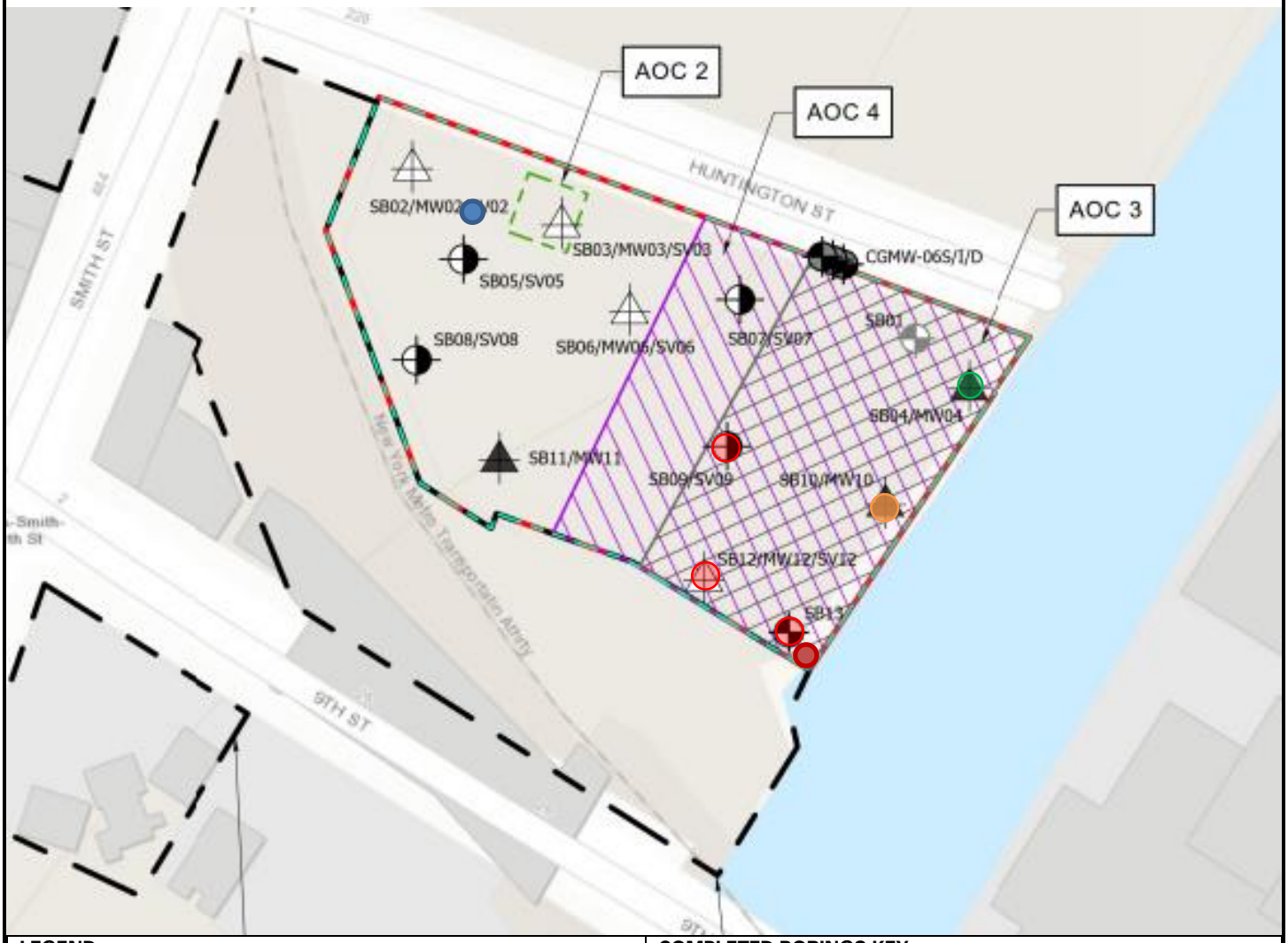


Photo 2: Soil recovery in SB12 from 30 to 60 feet bgs (facing down)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Thursday, March 04, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 36-43 ^{0}F Wind: NW @ 9 – 13 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 3:45 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Ashley Stappenbeck
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 4

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB06 to 60 feet below grade surface (bgs). Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 6 feet bgs. The historic fill layer was underlain by native soil consisting of a layer of clay to about 12 feet bgs. The clay was underlain by sand from about 12 to 19 feet bgs, and a second lay of clay and peat was identified from about 19 to 22 feet bgs. Sand was observed from 22 feet bgs to the boring terminus. Groundwater was encountered at about 8 feet bgs.
    - Petroleum-like impacts were observed between 2 and 21 feet bgs, with a maximum PID reading of 15,000 ppm at about 7 feet bgs. No evidence of coal tar-like impacts was observed.
    - Lakewood attempted to install monitoring well MW06 using augers in the borehole location but was unable to due to refusal at 5 feet bgs. Well installation will be reattempted.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB07 to 60 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 8 feet bgs. The historic fill layer was underlain by native soil consisting of a layer of clay to about 18 feet bgs. The clay was underlain by sand from about 18 to 19.5 feet bgs, and a second layer of clay and peat was observed from about 19.5 to 25 feet bgs. Sand was observed from about 25 to 29 feet bgs, a third clay layer was observed from about 29 to 31 feet bgs, underlain by sand from 31 feet bgs to boring terminus. Groundwater was encountered at about 8 feet bgs.
    - Petroleum-like impacts were observed between 5 and 12 feet bgs, with a maximum PID reading of 8,675 ppm at about 7 feet bgs.
    - Coal tar-like impacts were observed between 34 and 38 feet bgs and between 58 and 59 feet bgs, with a maximum PID reading of 83.9 ppm.

Sampling

- The following samples were collected from boring SB06: SB06_0-0.5, SB06_0.5-2, SB06_6-8, SB06_22-24, SODUP01_030421
- The following samples were collected from boring SB07: SB07_0-2, SB07_6-8, SB07_13-15
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB03_030421 (PFAS field blank), SODUP01_030421 (soil duplicate sample),

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

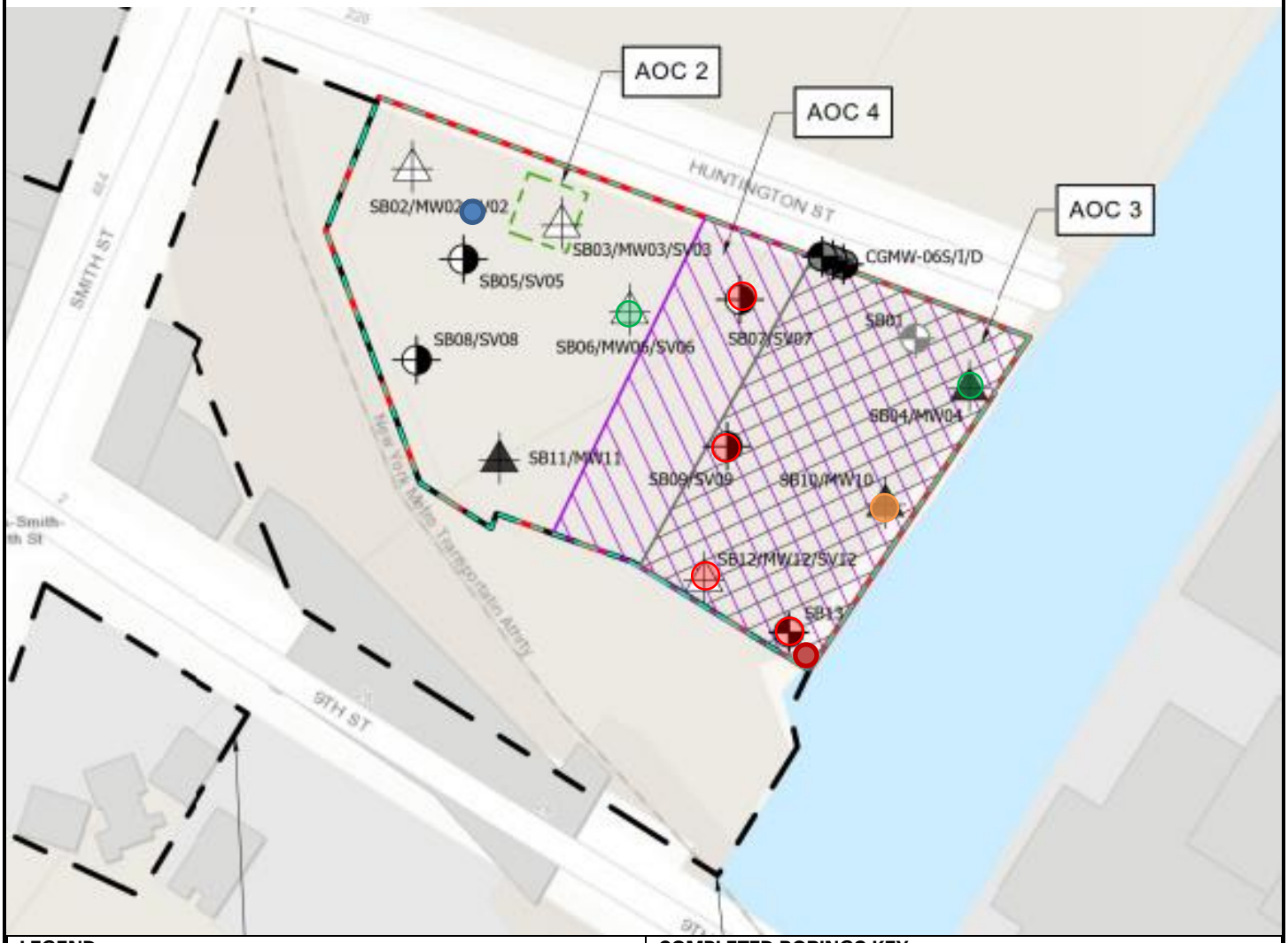
- Continue to drill soil borings and install groundwater monitoring wells.

Site Photos

Photo 1: Geoprobe 6610DT® at SB07 location (facing northeast)

Photo 2: Soil recovery in SB07 from 0 to 30 feet bgs (facing down)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Friday, March 05, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 23-36 ^{0}F Wind: NW @ 12 – 14 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 4:45 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Ashley Stappenbeck, Lexi Haley, Michael Aldoroty
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 5

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB03 to 25 feet below grade surface (bgs). Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 7 feet bgs. The historic fill layer was underlain by native soil consisting of sand to about 23 feet bgs. The sand was underlain by clay from about 23 to 23.5 feet bgs, and peat was identified from about 23.5 to 24.5 feet bgs. Sand was observed from 24.5 feet bgs to the boring terminus. Groundwater was encountered at about 6 feet bgs.
    - Petroleum-like impacts were observed between 0.5 and 16 feet bgs, with a maximum PID reading of 1,013 ppm at about 8 feet bgs. No evidence of coal tar-like impacts was observed.
    - Lakewood installed monitoring well MW03 using augers in the borehole location with a screen set between 2 and 12 feet bgs.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB11 to 25 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 15 feet bgs. The historic fill layer was underlain by native soil consisting of fine sand from abpit 15 feet bgs to boring terminus. Groundwater was encountered at about 6 feet bgs.
    - Petroleum-like impacts were observed between 7 and 15 feet bgs, with a maximum PID reading of 0.3 ppm at about 9 feet bgs.
- Lakewood installed soil vapor points at SV02, SV03, SV05, SV06, SV07, SV08, SV09, and SV12. All soil vapor points were installed to 4 feet bgs except for SV12, which was installed to 2 feet bgs.
- Langan collected conducted helium shroud tests at all soil vapor points before collecting 2-hour soil vapor samples in 2.7L Summa canisters at all soil vapor points. Soil vapor points SV03, SV06, and SV09 pulled water into the tubing and had to be stopped. SV06 and SV09 were reinstalled to 1 foot bgs, SV03 will be reinstalled on Monday. SV06 was collected after being reinstalled. SV09 was not collected after reinstallation and will be collected with SV03 next week.

Sampling

- The following samples were collected from boring SB03: SB03_0-0.5, SB03_0.5-2, SB03_6-8, SB03_21-23
- The following samples were collected from boring SB07: SB11_0-2, SB11_8-10, SB11_17-19
- The following soil vapor samples were collected: AA01_030521, SV02_030521, SV05_030521, SV06_030521, SV07_030521, SV08_030521, and SV12_030521
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB04_030521 (PFAS field blank), SBFB02_030521 (soil field blank), and additional soil volume was collected from SB03_0-0.5 for a matrix spike/matrix spike duplicate sample.

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

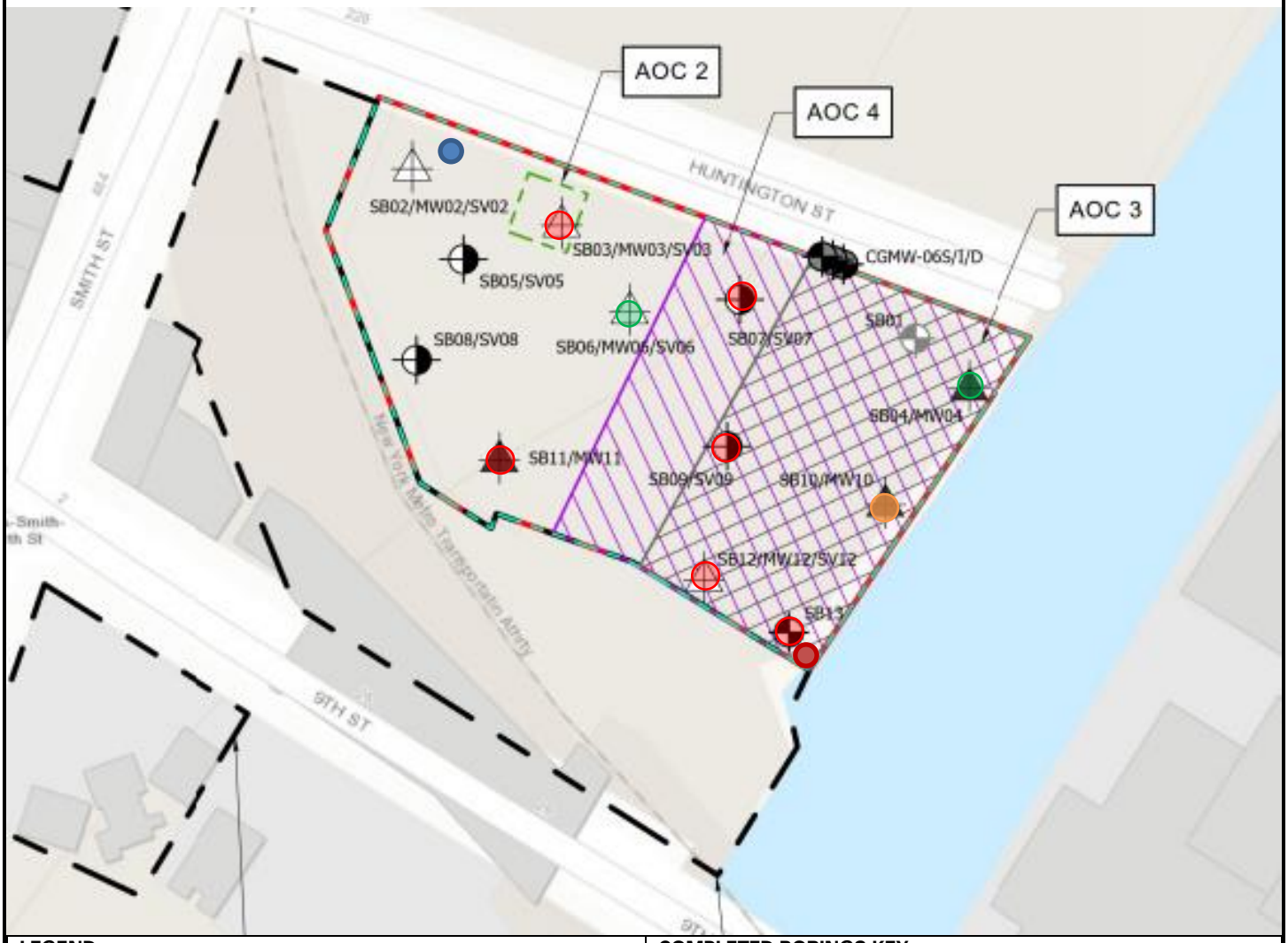
- Continue to drill soil borings and install groundwater monitoring wells.

Site Photos

Photo 1: Geoprobe 6610DT® at SB03 location (facing west)

Photo 2: Soil recovery in SB11 from 0 to 25 feet bgs (facing down)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Monday, March 08, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 25-40 ^{0}F Wind: N @ 5 – 10 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 5:30 pm
BCP SITE NO:	C224314			**MONITOR:**	Lexi Haley

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Lexi Haley
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 6

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB02 to 25 feet below grade surface (bgs). Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 9 feet bgs. The historic fill layer was underlain by native soil consisting of sand to about 10 feet bgs. The sand was underlain by a clay layer from about 9 to 15 feet bgs followed by sand from 15 to 17.5 bgs. Clay was observed from 17.5 feet bgs to boring terminus. Groundwater was encountered at about 7 feet bgs.
    - Petroleum-like impacts were observed between 0.5 and 10 feet bgs, with a maximum PID reading of 136.3 ppm at about 7.5 feet bgs. No evidence of coal tar-like impacts was observed.
    - Lakewood installed monitoring well MW02 with a screen set between 3 and 13 feet bgs.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB05 to 25 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 9 feet bgs. The historic fill layer was underlain by native soil consisting of clay to about 20 feet bgs, and peat was identified from 20 to about 23.5 feet bgs. The peat was underlain by clay to about 24.5 feet bgs. Silt was observed from 24.5 feet to boring terminus. Groundwater was encountered at about 5 feet bgs.
    - Petroleum-like impacts were observed between 0.5 and 20 feet bgs, with a maximum PID reading of 1,409 ppm at about 9.5 feet bgs. No evidence of coal tar-like impacts was observed.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB08 to 25 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 5.5 feet bgs. The historic fill layer was underlain by native soil consisting of silt to about 6.5 feet bgs. Clay was observed from about 6.5 to about 9 feet bgs followed by sand to about 18 feet bgs. The sand was underlain by clay from 18 to 20 feet bgs. Sand was identified from 20 to 22 feet bgs followed by silt to boring terminus. Groundwater was encountered at about 6 feet bgs.

  - Petroleum-like impacts were observed between 4 and 20 feet bgs, with a maximum PID reading of 1,227 ppm at about 9 feet bgs. No evidence of coal tar-like impacts was observed.

- Lakewood installed monitoring well MW06 (previously not installed due to refusal) using augers with a screen set between 2 and 12 feet bgs.
- Lakewood reinstalled soil vapor point SV03 to 1 foot bgs.

Sampling

- The following samples were collected from boring SB02: SB02_0-0.5, SB02_0.5-2, SB02_6-8, SB03_13-15
- The following samples were collected from boring SB05: SB05_0-2, SB05_8-10, SB05_18-20
- The following samples were collected from boring SB08: SB08_0-0.5, SB08_0.5-2, SB08_8-10, SB08_18-20
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB05_030821 (PFAS field blank), SODUP02_030821 (duplicate sample of SB02_0.5-2_030821), and additional soil volume was collected from SB08_0-0.5 for a matrix spike/matrix spike duplicate sample.

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

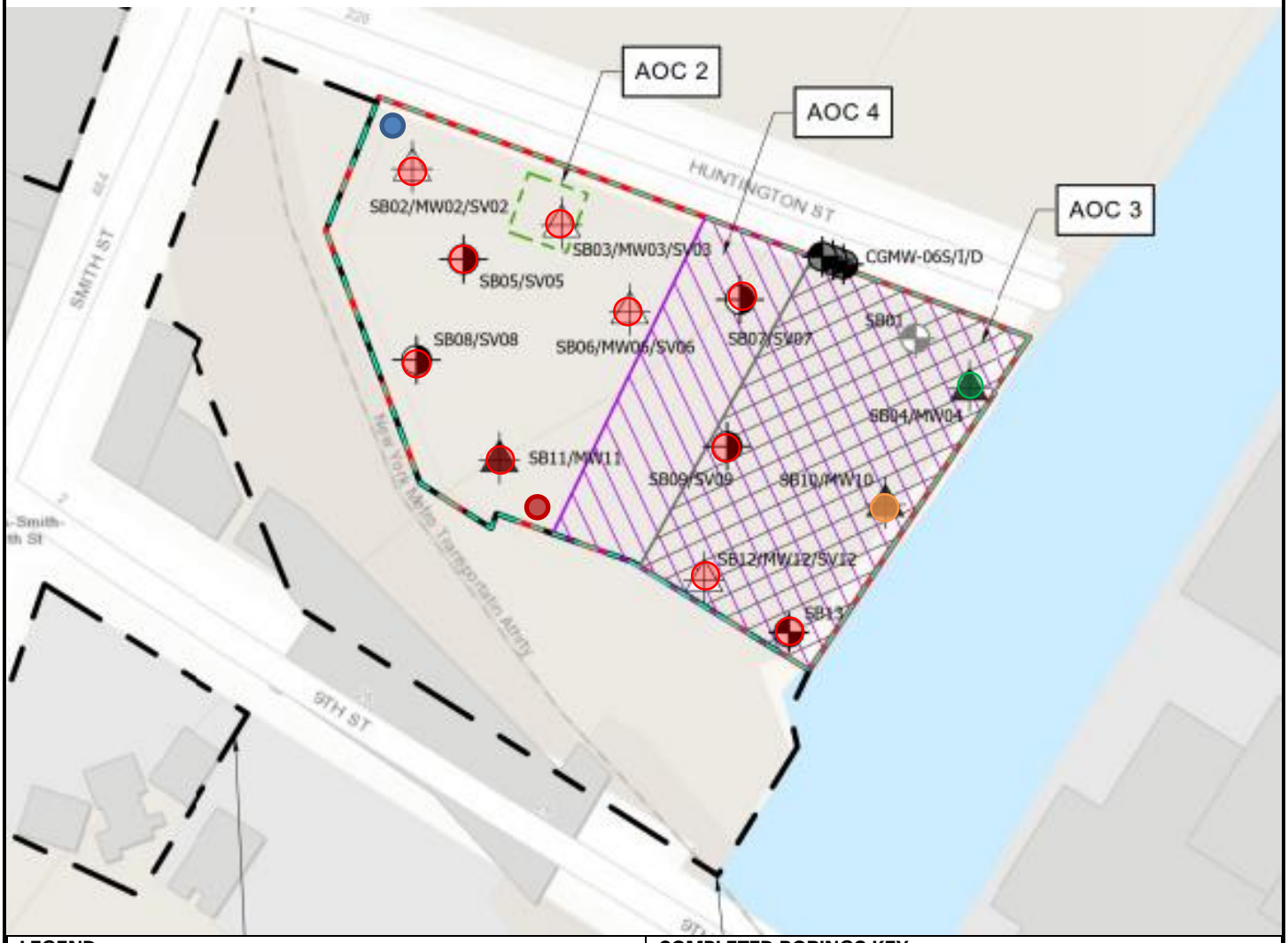
- Continue to drill soil borings and install groundwater monitoring wells.

Site Photos

Photo 1: Geoprobe 6610DT® at SB02 location (facing northwest)

Photo 2: Soil recovery in SB08 from 0 to 25 feet bgs (facing down)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Tuesday, March 09, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 45-63 ^{0}F Wind: W @ 6 - 9 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:30 am – 4:45 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Ashley Stappenbeck, Michael Aldoroty
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 7

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB04A to 60 feet below grade surface (bgs). Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 10 feet bgs. The historic fill layer was underlain by native soil consisting of sand to about 50 feet below grade surface (bgs). The sand was underlain by a clay layer from about 50 to 59 feet bgs followed by sand from 59 to 59.5 feet bgs. Clay was observed from 59.5 feet bgs to boring terminus.
    - Petroleum-like impacts were observed between 9 and 18.5 feet bgs, with a maximum PID reading of 40.3 ppm at about 9.5 feet bgs.
    - Coal tar-like impacts were observed between 18.5 and 60 feet bgs, with a maximum PID reading of 709.5 ppm at about 30 feet bgs.
- Lakewood used a Geoprobe 6610DT® direct-push drill rig to advance soil boring SB10 to 60 feet bgs. Langan collected soil samples in accordance with the RIWP; see sample collection summary section below.
    - Historic fill was encountered from surface grade to about 15 feet bgs. The historic fill layer was underlain by native soil consisting of clay to about 22 feet bgs, and sand was identified from 22 to about 47.5 feet bgs. The sand was underlain by clay from about 47.5 to 53.5 feet bgs. Sand was observed from 53.5 feet to boring terminus. Groundwater was encountered at about 7 feet bgs.
    - Petroleum-like impacts were observed between 9 and 15 feet bgs, with a maximum PID reading of 56.3 ppm at about 14 feet bgs.
    - Coal tar-like impacts were observed between 24 and 50 feet bgs and between 54 and 60 feet bgs, with a maximum PID reading of 227.9 ppm at about 30 feet bgs.
- Langan conducted helium shroud tests at soil vapor points before and after collecting 2-hour soil vapor samples in 2.7L Summa canisters at soil vapor points SV03 and SV09.

Sampling

- The following samples were collected from boring SB04A: SB04A_28-30
- The following samples were collected from boring SB10: SB10_0-2, SB10_13-15, SB10_22-24, SB10_58-60
- The following soil vapor samples were collected: SV03_030921 and SV09_030921
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB06_030921 (PFAS field blank) and SVDUP01_030921 (duplicate sample of SV03_030921),

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

- Continue to install groundwater monitoring wells MW04 and MW10.

Site Photos

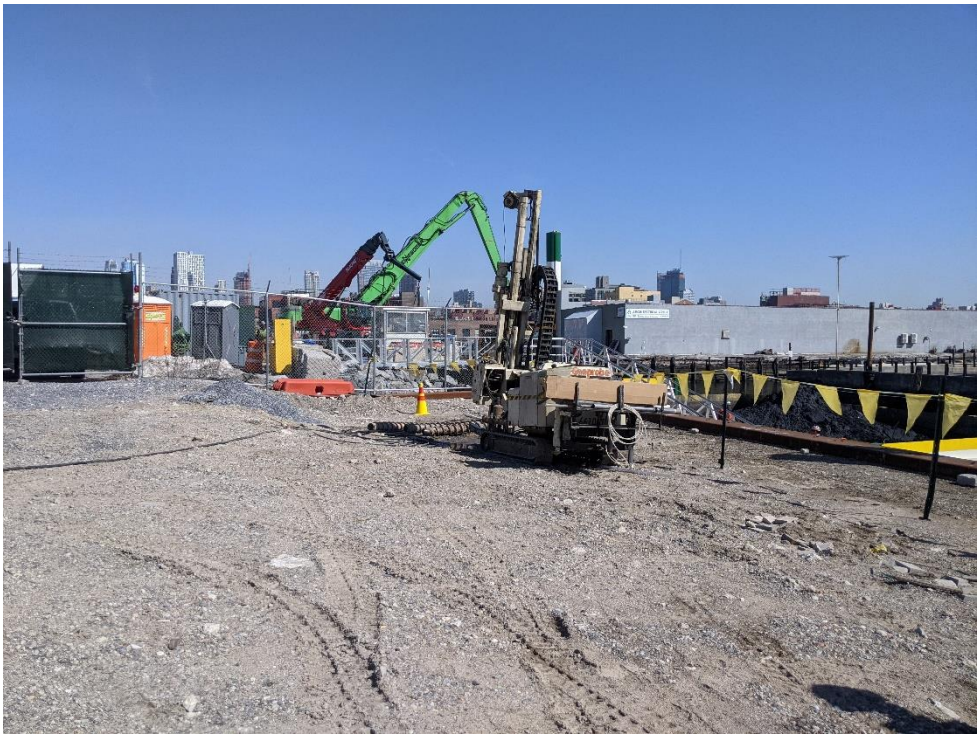
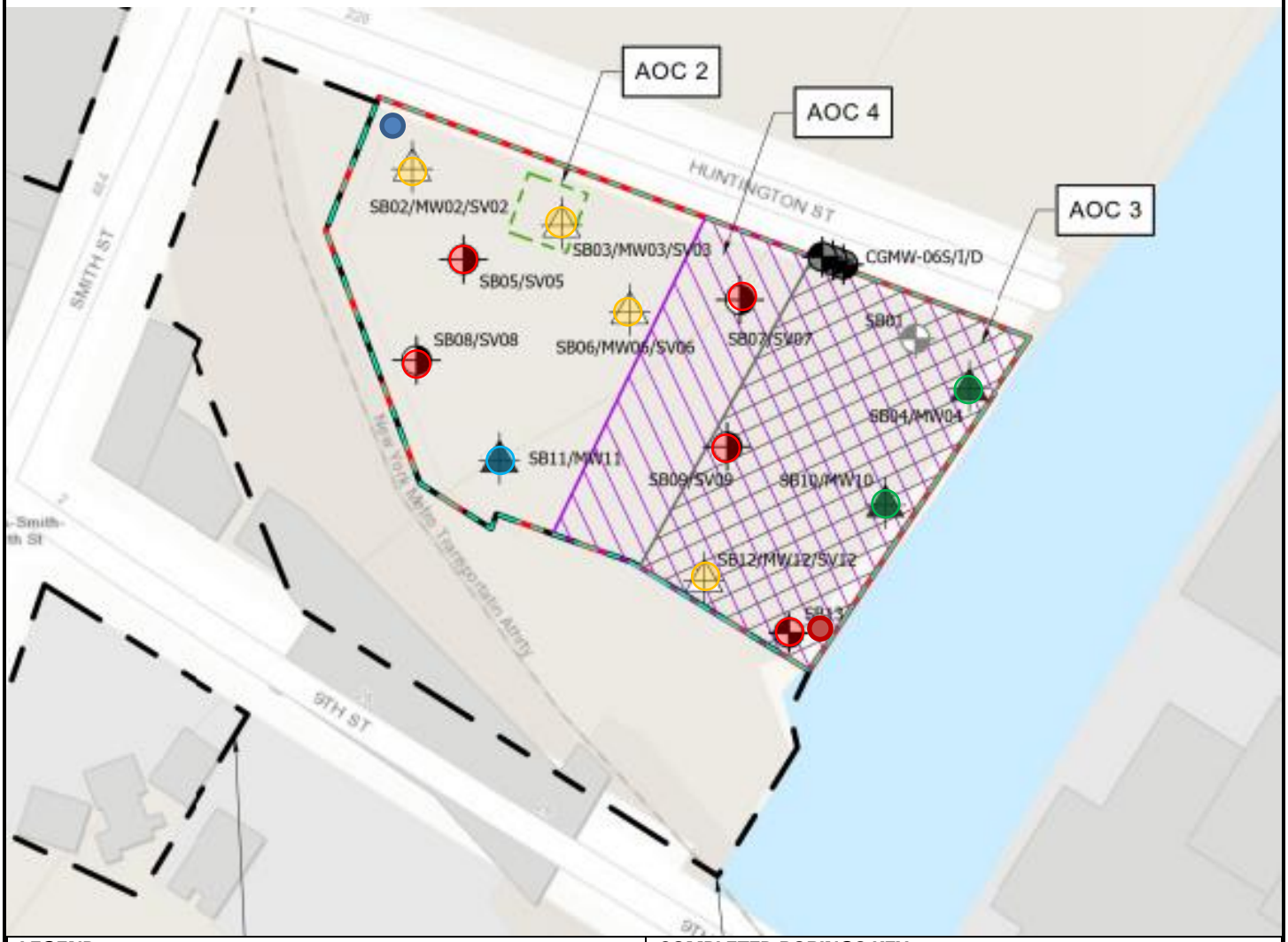


Photo 1: Geoprobe 6610DT® at SB04A location (facing northwest)

Photo 2: Soil vapor sample SV09_030921 during sample collection (facing southwest)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Wednesday, March 10, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 43-53 ^{0}F Wind: N @ 5 - 9 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 3:45 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Ashley Stappenbeck, Matthew Sweeney
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 8

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to install MW10 and MW10D.
    - Lakewood installed monitoring well MW10 with a screen set between 2 and 12 feet below grade surface (bgs).
    - Lakewood installed monitoring well MW10D with a screen set between 53 and 63 feet bgs and a 2-foot sump extending to 65 feet bgs.

Sampling

- No samples were collected.

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

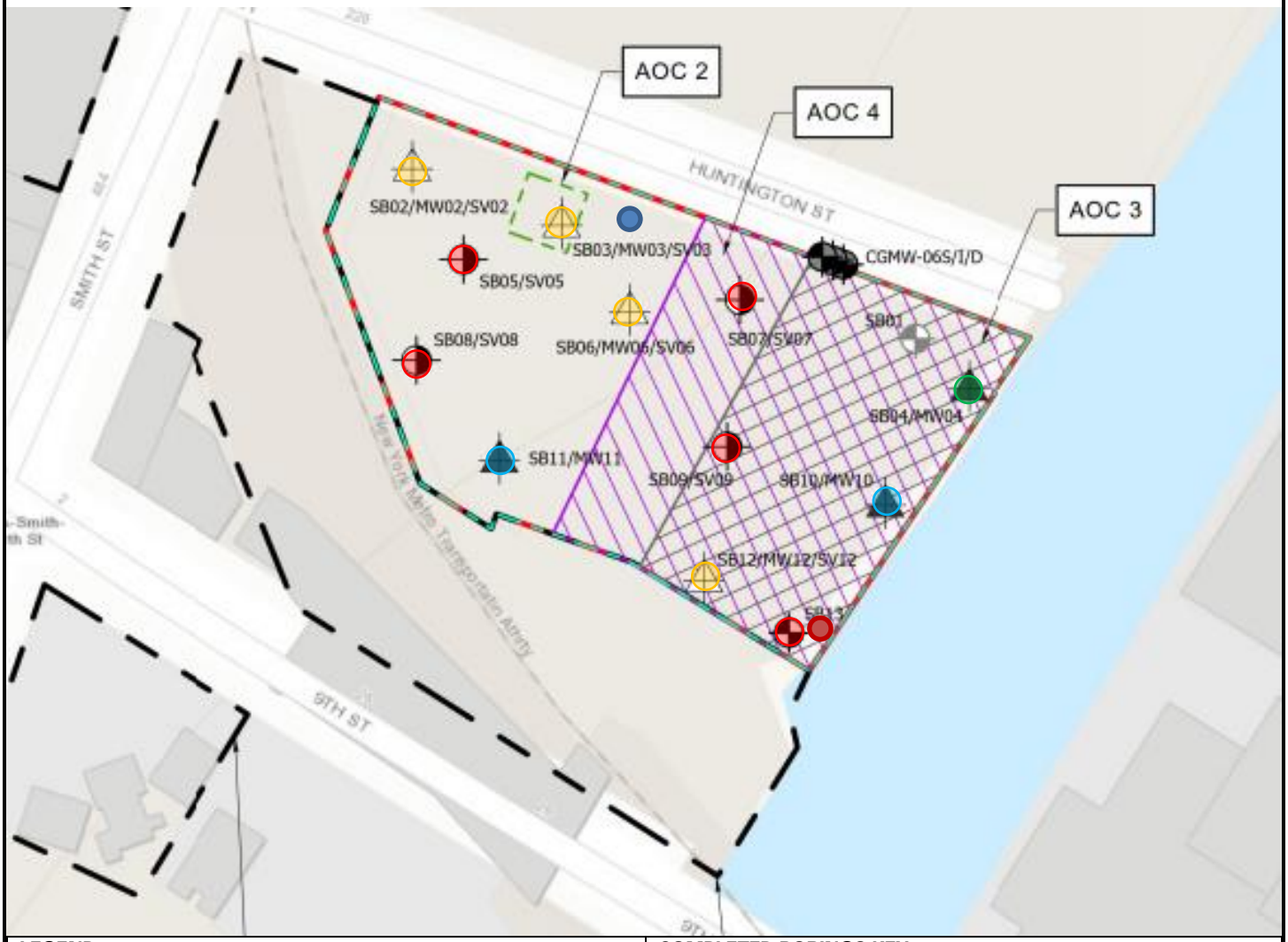
- Continue to install groundwater monitoring well MW04.

Site Photos

Photo 1: Geoprobe 6610DT® at SB10 location (facing east)

Photo 2: Geoprobe 6610DT® at SB10 location (facing southeast)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Thursday, March 11, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 63-72 ^{0}F Wind: N @ 0 - 2 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 2:00 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools
Geoprobe 6610DT®

PRESENT AT SITE:
Langan: Ashley Stappenbeck
Lakewood Environmental Services, Corp.: (Driller) – Tim Kelly

Day 9

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Lakewood used a Geoprobe 6610DT® direct-push drill rig to install MW04.
    - Lakewood installed monitoring well MW10 with a screen set between 3 and 13 feet below grade surface (bgs).
- Lakewood developed monitoring well MW10.
- Lakewood finished installing well covers in concrete at all monitoring wells.

Sampling

- No samples were collected.

CAMP Activities

Community air monitoring was performed at the perimeters of the site at two locations (upwind and downwind) for particulate matter less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- PM10 and VOC concentrations were not recorded above the action levels established in the site Community Air Monitoring Plan (CAMP).
- Dust was not observed migrating off-site.

Anticipated Activities

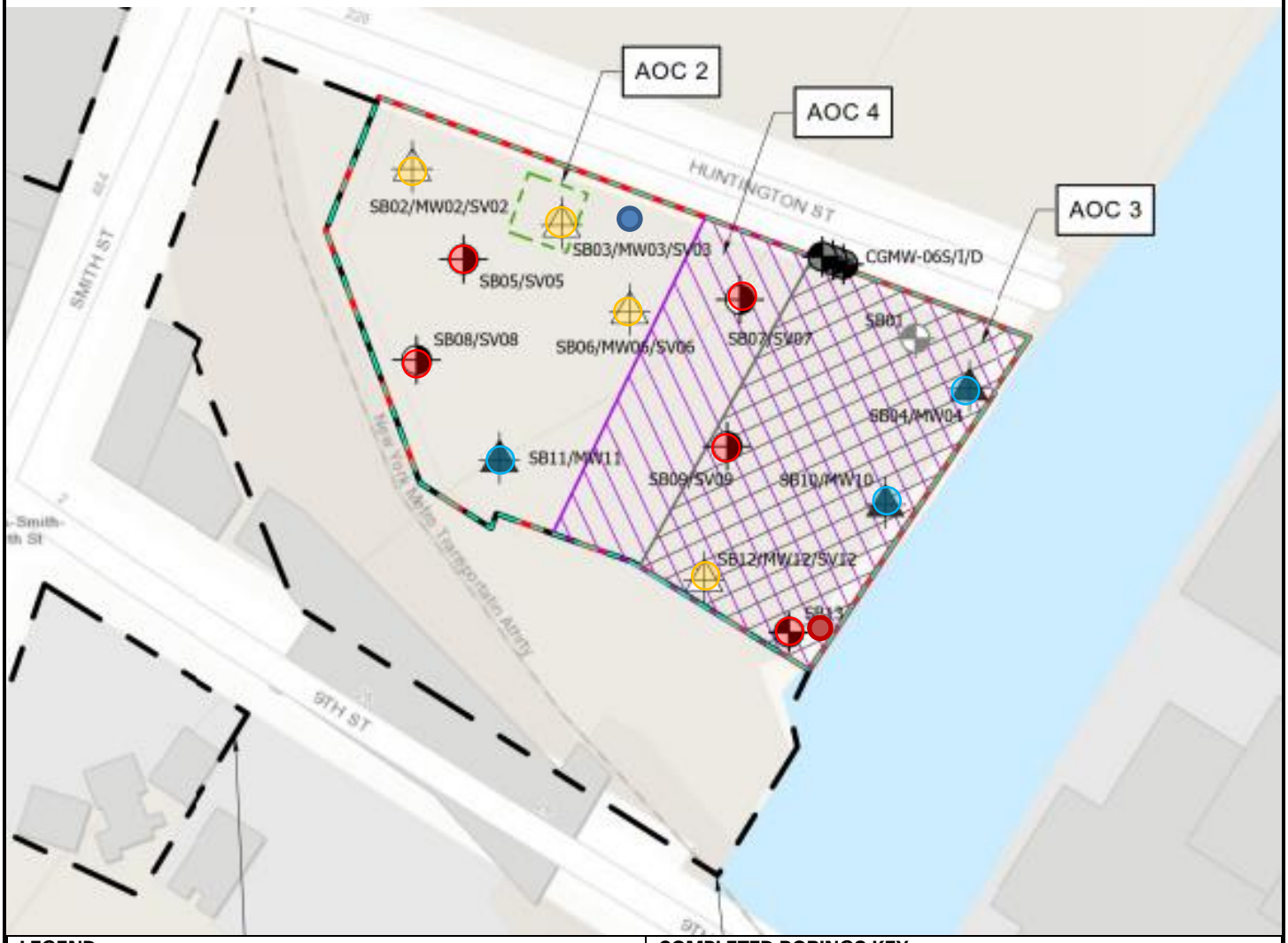
- Collect groundwater samples.

Site Photos

Photo 1: Geoprobe 6610DT® at SB04 location (facing northeast)

Photo 2: Completed monitoring well MW10 (facing south)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Friday, March 12, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Clear, 63-72 ^{0}F Wind: N @ 0 - 2 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 3:15 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools

PRESENT AT SITE:
Langan: Ashley Stappenbeck, Seyena Simpson

Day 10

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Langan sampled the groundwater monitoring wells MW03, MW11, and MW12 after groundwater parameters stabilized or the wells were purged for one hour. Langan collected groundwater samples in accordance with the RIWP; see sample collection summary section below.

Sampling

- The following samples were collected: MW03_031221, MW11_031221, and MW12_031221
- The following quality assurance/quality control (QA/QC) samples were collected: GWDUP01_031221 (groundwater duplicate sample of MW11_031221), GWFB01_031221 (field blank), and additional sample volume from MW11_031221 was submitted to the laboratory for a matrix spike/matrix spike duplicate sample.

CAMP Activities

- Community air monitoring was not performed due to lack of soil intrusive activities.

Anticipated Activities

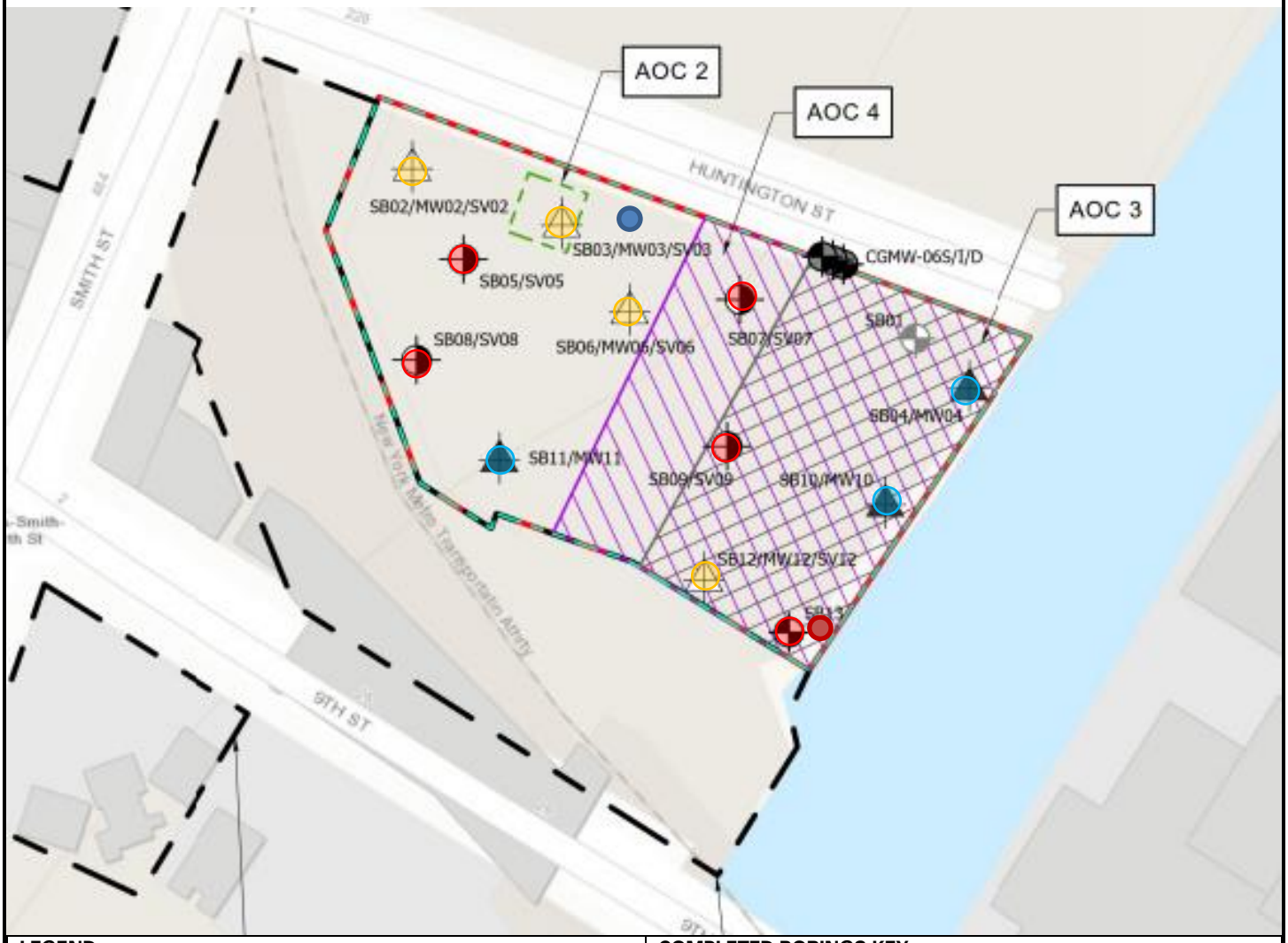
- Collect groundwater samples.

Site Photos

Photo 1: Groundwater sampling equipment at MW12 (facing down)

Photo 2: Groundwater sampling equipment at MW12 (facing southeast)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Thursday, March 18, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Rain, 43-46 ^{0}F Wind: SE @ 2 - 10 mph
LOCATION:	Brooklyn, New York			**TIME:**	6:45 am – 6:30 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT:
Hand Tools

PRESENT AT SITE:
Langan: Ashley Stappenbeck, Seyena Simpson

Day 11

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Langan sampled groundwater monitoring wells MW02, MW06, and MW10.

Sampling

- The following samples were collected: MW02_031821, MW06_031821, and MW10_031821
- The following quality assurance/quality control (QA/QC) samples were collected: GWFB02_031221 (field blank), and EC_FB07_031821 (PFAS field blank).

CAMP Activities

- Community air monitoring was not performed due to lack of soil intrusive activities and sustained rainfall.

Anticipated Activities

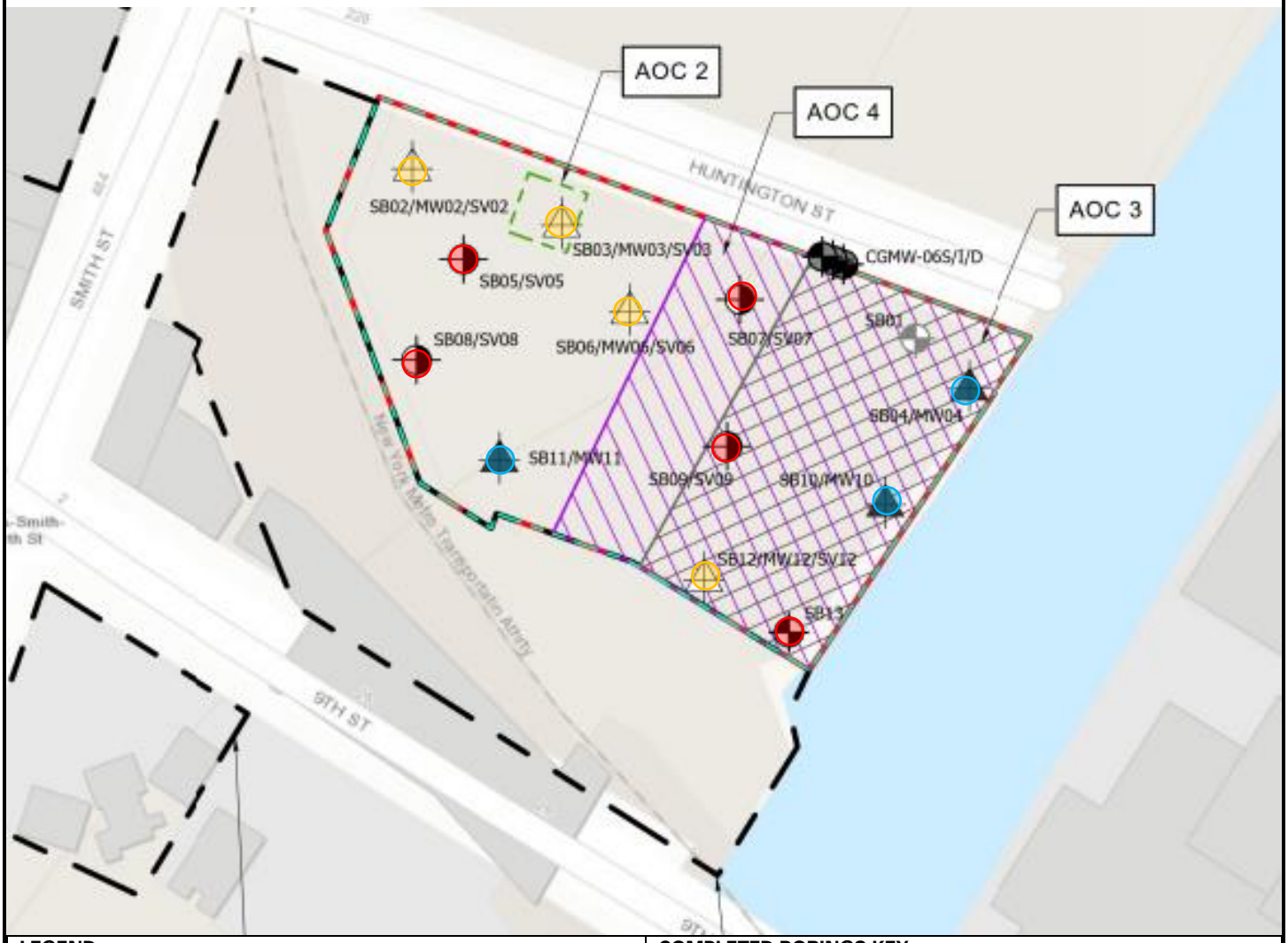
- Collect groundwater samples.

Site Photos

Photo 1: Groundwater sampling equipment at MW06 (facing west)

Photo 2: Purged groundwater at MW06 (facing down)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Friday, March 19, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Rain, 30-43 ^{0}F Wind: SE @ 2 - 10 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 4:30 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT: Hand Tools	**PRESENT AT SITE:** **Langan**: Ashley Stappenbeck **Day 12**

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Langan sampled groundwater monitoring wells MW04 and MW10D.

Sampling

- The following samples were collected: MW04_031921 and MW10D_031921.
    - Due to poor recharge, the sample collected from MW04 will only be analyzed for PFAS, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs). MW04 will be sampled again next week for the rest of the parameters.
- The following quality assurance/quality control (QA/QC) samples were collected: EC_FB08_031921 (PFAS field blank).

CAMP Activities

- Community air monitoring was not performed due to lack of soil intrusive activities.

Anticipated Activities

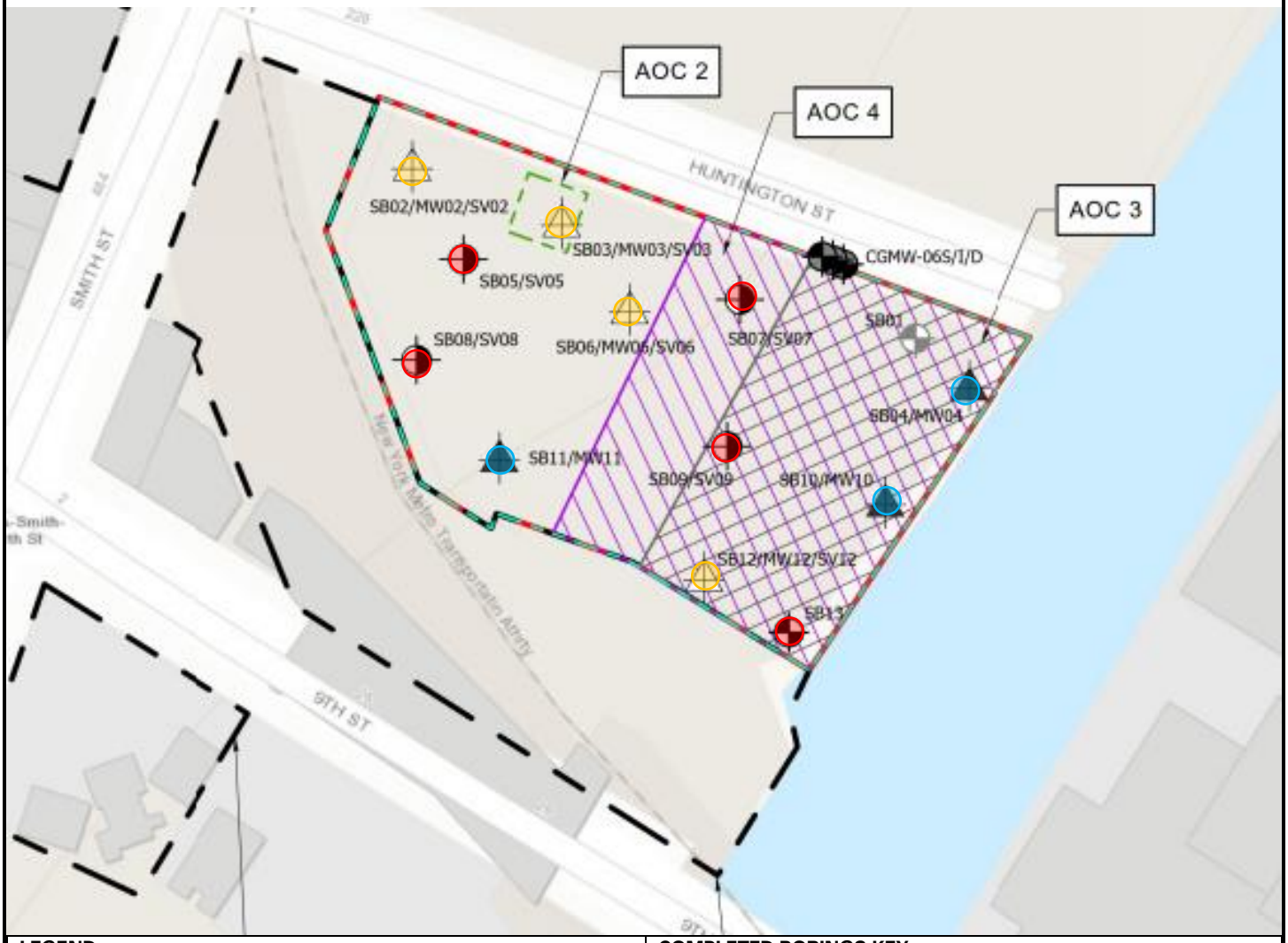
- Continue collecting groundwater sample from MW04.

Site Photos

Photo 1: Groundwater sampling equipment at MW10D (facing south)

Photo 2: Groundwater sampling equipment at MW04 (facing northeast)

Site Map:



LEGEND

Sample Locations

- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170430001	**CLIENT:**	300 Huntington Street LLC	**DATE:**	Wednesday, March 24, 2021
PROJECT:	240 Huntington Street			**WEATHER:**	Rain, 48-55 ^{0}F Wind: N @ 5 - 6 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 am – 2:00 pm
BCP SITE NO:	C224314			**MONITOR:**	Ashley Stappenbeck

EQUIPMENT: Hand Tools	**PRESENT AT SITE:** **Langan**: Ashley Stappenbeck, Fernando Viteri **Day 13**

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to implement the Remedial Investigation (RI) in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved RI Work Plan (RIWP).

Site Activities

- Langan sampled groundwater monitoring well MW04.
- Langan performed a synoptic gauging event at all monitoring wells to determine depth to groundwater at each location.
- Langan surveyed all monitoring well locations.

Sampling

- The following sample was collected: MW04_032421.
    - A portion of a groundwater sample was collected from MW04 on March 19, 2021 (labeled MW04_031921). Due to poor recharge in the well, the sample collected on March 19, 2021 was only analyzed for PFAS, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs). MW04_032421 will be analyzed for polychlorinated biphenyls (PCBs), pesticides, herbicides, Target Analyte List (TAL) metals (dissolved and total), hexavalent chromium, trivalent chromium, total cyanide, and 1,4-dioxane.

CAMP Activities

- Community air monitoring was not performed because no soil intrusive activities occured.

Anticipated Activities

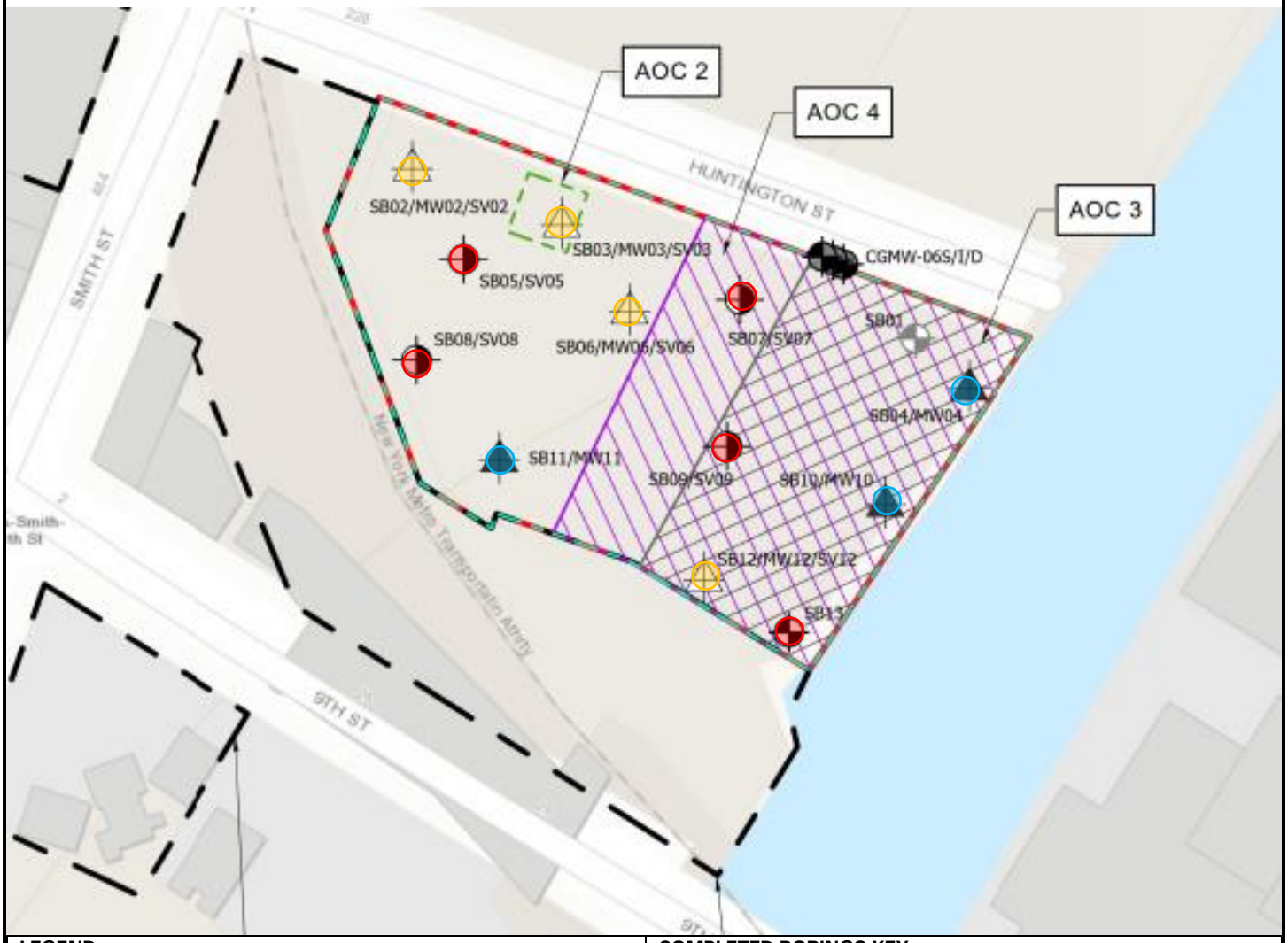
- No further remedial investigation activities are anticipated.

Site Photos

Photo 1: Groundwater sampling equipment at MW04 (facing south)

Photo 2: Water interface probe at MW10D, measuring depth to groundwater (facing west)

Site Map:



LEGEND

Sample Locations
- Previous Offsite Soil Boring/Monitoring Well (GEI Consultants)
- Approximate Soil Boring Location (Langan)
- Proposed Soil Boring/Monitoring Well/Soil Vapor
- Proposed Soil Boring/Soil Vapor
- Proposed Soil Boring
- Proposed Soil Boring/Monitoring Well

COMPLETED BORINGS KEY

- Soil/Fill/Soil Vapor Sampling Location Completed
- Soil Sample/Groundwater Monitoring Well Location Completed
- Soil Sample/Groundwater Monitoring Well/Soil Vapor Location Completed
- Soil Boring/Monitoring Well In Progress
- Soil Boring Refused

- Upwind CAMP Station
- Downwind CAMP Station

Note: Drawing background from June 2020 Remedial Investigation Figure "Area of Concern and Proposed Sample Location Map" by Langan Engineering.

Drawing Shown Not to Scale

APPENDIX I

LABORATORY ANALYTICAL DATA REPORTS

APPENDIX J

DATA USABILITY SUMMARY REPORTS

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: Elizabeth Burgess, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: April 23, 2021

Re: Data Usability Summary Report
For 240 Huntington Street
March 2021 Soil Samples
Langan Project No.: 170430003

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of soil samples collected in March 2021 by Langan Engineering and Environmental Services ("Langan") at the 240 Huntington Street site ("the site"). The samples were analyzed by York Laboratories, Inc. (NYSDOH NELAP registration #s 10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg), cyanide (CN), hexavalent chromium (CrVI), trivalent chromium (CrIII), and total solids (%S) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D selective ion monitoring (SIM)
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D/6020B
- Mercury by SW-846 Method 7473
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)
- Total Solids by Standard Method 2540G

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

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, trip blank and field blank sample results.

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

R – The sample results are unusable due to the quality of the data generated because certain criteria were not met. 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 (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.

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 not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to 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 in this data set.

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

21C0110

The method blanks (MBs) associated with batches BC10289 and BC10192 exhibited detections of 2-butanone (ranging from 0.0042 to 0.59 mg/kg). The associated results for samples SB04_0-0.5, SB04_6-8, SB04_12-14, SB09_18-20, SB09_6-8, and SB09_8-10 are qualified as "U" at the higher of the sample concentration and reporting limit based on potential blank contamination.

The laboratory control sample (LCS) for batch BC10289 exhibited percent recoveries below the lower control limit (LCL) for tetrachloroethene (77.3%), bromochloromethane (71%), and 1,1-dichloroethane (70.9%). The associated results in sample SB09_6-8 are qualified as "UJ" based on potential low bias.

The LCS for batch BC10337 exhibited percent recoveries below the LCL for 1,2-dichloroethane (70.1%), tetrachloroethene (79.5%), tert-butyl methyl ether (73.3%), bromochloromethane (69.6%), 1,1-dichloroethane (73.1%), and 1,2-dichloropropane (79.8%). The associated results in sample SB04_6-8 are qualified as "UJ" based on potential low bias.

Sample SB04_12-14 exhibited a percent recovery below the LCL for the internal standard 1,2-dichlorobenzene-d4 (26%). The associated results are qualified as "J" or "UJ" based on potential high bias or loss of instrument sensitivity.

The initial calibration (ICAL) for instrument QVOA4 exhibited a relative standard deviation (RSD) above the control limit for acrolein (20.39%) and exhibited a response factor (RF) below the control limit for trichloroethene (0.199). The associated results in samples SB04_0-0.5, SB09_18-20, and SB09_8-10 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument QVOA1 exhibited RFs below the control limit for 1,1,2,2-tetrachloroethane (0.275) and trichloroethene (0.174). The associated results in samples SB04_12-14, SB04_6-8, and SB09_6-8 are qualified as "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 3/3/2021 at 10:19 exhibited percent differences (%Ds) above the control limit for 1,4-dioxane (28.3%), acrolein (-82.4%), bromomethane (23.9%), chloroethane (21.1%), tert-butyl alcohol (-22.2%), tetrachloroethene (28.1%), and trichlorofluoromethane (25.4%). The associated results in samples SB04_0-0.5 and SB09_8-10 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/4/2021 at 11:14 exhibited %Ds above the control limit for 1,2-dichloroethane (-21.7%), acrolein (-20.1%), acrylonitrile (-22.1%), bromochloromethane (-22.5%), methyl acetate (-23.6%), and methylene chloride (-23.2%). This CCV also exhibited RFs below the control limit for 1,1,2,2-tetrachloroethane (0.28) and trichloroethene (0.18). The associated results in sample SB09_6-8 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/5/2021 at 10:45 exhibited %Ds above the control limit for 1,4-dioxane (22.3%), acrolein (-23.8%), bromochloromethane (-21.6%), methyl acetate (-21.3%), and methylene chloride (-22.2%). This CCV also exhibited RFs below the control limit for 1,1,2,2-

tetrachloroethane (0.29) and trichloroethene (0.17). The associated results in sample SB04_6-8 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/8/2021 at 10:24 exhibited a %D above the control limit for acrolein (-46.4%) and RFs below the control limit for 1,1,2,2-tetrachloroethane (0.292) and trichloroethene (0.189). The associated results in sample SB04_12-14 are qualified as "UJ" based on potential indeterminate bias.

21C0167

The MBs associated with batch BC10337 exhibited detections of 2-butanone (0.0055 mg/kg and 0.0065 mg/kg). The associated results in samples SB12_0.5-2, SB12_0-0.5, SB12_18-20, and SB12_8-10 are qualified as "U" at the reporting limit based on potential blank contamination.

The field blank (FB) SO_FB01_030321 exhibited detections of methylene chloride (2.79 ug/l) and 2-butanone (0.290 ug/l). The associated methylene chloride results are non-detections, so qualification is not necessary. The associated 2-butanone results in samples SB12_0.5-2, SB12_0-0.5, SB12_18-20, and SB12_8-10 are qualified as "U" at the reporting limit based on potential blank contamination.

The trip blank (TB) TB01_030321 exhibited a detection of 2-butanone (0.410 ug/l). The associated 2-butanone results in samples SB12_0.5-2, SB12_0-0.5, SB12_18-20, and SB12_8-10 are qualified as "U" at the reporting limit based on potential blank contamination.

The LCS for batch BC10337 exhibited percent recoveries below the LCL for 1,1-dichloroethane (73.1%), 1,2-dichloroethane (70.1%), 1,2-dichloropropane (79.8%), bromochloromethane (69.6%), methyl tert-butyl ether (73.3%), and tetrachloroethene (79.5%). The associated results in samples SB12_0.5-2, SB12_0-0.5, SB12_18-20, and SB12_8-10 are qualified as "UJ" based on potential low bias.

The ICAL for instrument QVOA1 exhibited RFs below the control limit for 1,1,2,2-tetrachloroethane (0.275) and trichloroethene (0.174). The associated results in samples SB12_0.5-2, SB12_0-0.5, SB12_18-20, and SB12_8-10 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/5/2021 at 10:45 exhibited %Ds above the control limit for 1,4-dioxane (22.3%), acrolein (-23.8%), bromochloromethane (-21.6%), methyl acetate (-21.3%), and methylene chloride (-22.2%). This CCV also exhibited RFs below the control limit for 1,1,2,2-tetrachloroethane (0.287) and trichloroethene (0.179). The associated results in samples

SB12_0.5-2, SB12_0-0.5, SB12_18-20, and SB12_8-10 are qualified as "UJ" based on potential indeterminate bias.

21C0267

The MB for batch BC10455 exhibited detections of 2-butanone (0.0051 mg/kg) and bromomethane (0.27 mg/kg). The associated bromomethane results are non-detections, so qualification is not necessary. The associated 2-butanone results in samples SB06_22-24, SB07_0-2, and SB07_13-15 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch BC10554 exhibited a detection of 2-butanone (0.62 mg/kg). The associated results in samples SB06_0.5-2, SB06_6-8, SB07_6-8, and SODUP01_030421 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch BC10604 exhibited a detection 2-butanone (0.57 mg/kg). The associated result in sample SB06_0-0.5 is qualified as "U" at the reporting limit based on potential blank contamination. All other associated non-detect results did not require qualification.

The CCV analyzed on 3/8/2021 at 10:24 exhibited a %D above the control limit for acrolein (-46.4%) and RFs below the control limit for 1,1,2,2-tetrachloroethane (0.298) and trichloroethene (0.188). The associated results in samples SB06_22-24, SB07_0-2, and SB07_13-15 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/9/2021 at 11:19 exhibited %Ds above the control limit for 1,2,3-trichlorobenzene (29.2%), 1,2,4-trichlorobenzene (28.6%), 1,4-dioxane (22.1%), acrolein (-71.6%), bromoform (21.3%), bromomethane (28.2%), and hexachlorobutadiene (36%). The associated results in samples SB06_0.5-2, SB06_6-8, SB07_6-8, and SODUP01_030421 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/10/2021 at 12:56 exhibited %Ds above the control limit for 1,2,3-trichlorobenzene (34.8%), 1,2,4-trichlorobenzene (36.1%), 1,3-dichlorobenzene (20.2%), 1,4-dichlorobenzene (23.7%), 1,4-dioxane (42.7%), acrolein (-25.7%), chloromethane (-25.4%), hexachlorobutadiene (57.6%), p-isopropyltoluene (21.6%), sec-butylbenzene (20.8%), tert-butylbenzene (22.1%), and tetrachloroethylene (31.4%). The associated results in sample SB06_0-0.5 are qualified as "UJ" based on potential indeterminate bias.

The tert-butyl alcohol result for sample SB07_13-15 exceeded the linear range of the instrument. The tert-butyl alcohol result was qualified “J” based on a potential indeterminate bias.

21C0344

The ICAL for instrument QVOA1 exhibited RFs below the control limit for 1,1,2,2-tetrachloroethane (0.257) and trichloroethene (0.175%). The associated results in samples SB03_0.5-2, SB03_21-23, SB03_6-8, SB11_0-2, and SB11_17-19 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument QVOA4 exhibited RFs below the control limit for trichloroethene (0.199). The associated results in samples SB03_0-0.5 and SB11_8-10 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/9/2021 at 10:42 exhibited a %D above the control limit for acrolein (-40.4%) and exhibited an RF below the control limit for trichloroethene (0.175). The associated results in samples SB03_0.5-2, SB03_21-23, SB03_6-8, SB11_0-2, and SB11_17-19 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/10/2021 at 12:56 exhibited %Ds above the control limit for 1,4-dichlorobenzene (23.7%), acrolein (-25.7%), 1,2,4-trichlorobenzene (36.1%), 1,4-dioxane (42.7%), tetrachloroethene (31.4%), sec-butylbenzene (20.8%), 1,3-dichlorobenzene (20.2%), chloromethane (-25.4%), 1,2,3-trichlorobenzene (34.8%), hexachlorobutadiene (57.6%), t-butylbenzene (22.1%), and p-isopropyltoluene (21.6%). The associated results in sample SB11_8-10 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/12/2021 at 00:10 exhibited %Ds above the control limit for acrolein (-49.7%), 1,4-dioxane (21.2%), tetrachloroethene (63.2%), chloromethane (-37.6%), chloroethane (-28.5%), vinyl chloride (-30.4%), 1,1-dichloroethene (-22.8%), trichlorofluoromethane (-25%), dichlorodifluoromethane (-27.5%), 1,2,3-trichlorobenzene (23%), and hexachlorobutadiene (31.4%). The associated results in sample SB03_0-0.5 are qualified as "UJ" based on potential indeterminate bias.

The MBs for batch BC10473 exhibited detections of 2-butanone (0.0060 mg/kg through 0.73 mg/kg). The associated results in samples SB03_0.5-2, SB03_6-8, SB03_21-23, SB11_0-2, and SB11_17-19 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The MB for batch BC10604 exhibited a detection of 2-butanone (0.0048 mg/kg). The associated result in sample SB11_8-10 is qualified as "U" at the sample concentration based on potential blank contamination.

The MB for batch BC10678 exhibited a detection of 2-butanone (0.0054 mg/kg). The associated result in sample SB03_0-0.5 is qualified as "U" at the reporting limit based on potential blank contamination.

The FB (SOFB02_030521) exhibited detections of methylene chloride (2.67 ug/l) and 2-butanone (0.620 ug/L). The associated results in samples SB03_0-0.5, SB03_0.5-2, SB03_6-8, SB03_21-23, SB11_0-2, SB11_8-10, and SB11_17-19 are qualified as "U" at higher of the sample concentration or the reporting limit based on potential blank contamination. Associated non-detects did not require qualification.

The TB (TRIP BLANK) exhibited a detection of 2-butanone (0.350 ug/l). The associated results in samples SB03_0-0.5, SB03_0.5-2, SB03_6-8, SB03_21-23, SB11_0-2, SB11_8-10, and SB11_17-19 are qualified as "U" at the reporting limit based on potential blank contamination.

21C0404

The MB for batch BC10538 exhibited a detection of 2-butanone (0.0058 mg/kg). The associated results in samples SB02_0-0.5, SB02_0.5-2, SB02_6-8, SB02_13-15, SB05_0-2, SB05_18-20, SB08_0-0.5, SB08_0.5-2, SB08_18-20, and SODUP02_030821 are qualified as "U" at the higher of the sample concentration or reporting limit based on potential blank contamination.

The MB for batch BC10676 exhibited a detection of 2-butanone (0.007 mg/kg). The associated results in samples SB05_8-10 and SB08_8-10 are qualified as "U" at the reporting limit based on potential blank contamination.

Sample SB05_8-10 exhibited a percent recovery above the UCL for the internal standard fluorobenzene (206%). The associated results are qualified as "J" or "UJ" based on potential low bias.

Sample SB08_8-10 exhibited a percent recovery above the UCL for the internal standard fluorobenzene (228%). The associated results are qualified as "J" or "UJ" based on potential low bias.

The ICAL for instrument QVOA4 exhibited a RSD above the control limit for acrolein (20.39) and an RF below the control limit for trichloroethene (0.199). The associated results in samples SB02_0.5-2, SB02_0-0.5, SB02_13-15, SB02_6-8, SB05_0-2, SB05_18-20, SB08_0.5-2, SB08_0-0.5, SB08_18-20, and SODUP02_030821 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument QVOA1 exhibited RFs below the control limit for 1,1,2,2-tetrachloroethane (0.299), chlorobenzene (0.468), tetrachloroethene (0.197), and trichloroethene (0.174). The associated results in samples SB05_8-10 and SB08_8-10 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 3/15/2021 at 16:39 exhibited %Ds above the control limit for acrolein (84.2%) and dichlorodifluoromethane (40.1%). The associated results in samples SB05_8-10 and SB08_8-10 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/9/2021 at 22:25 exhibited %Ds above the control limit for acrolein (-72.3%), 1,4-dioxane (24%), chloromethane (-27.3%), hexachlorobutadiene (26.2%), tetrachloroethene (28.8%), and vinyl chloride (-22.6%). The associated results in samples SB02_0.5-2, SB02_0-0.5, SB02_13-15, SB02_6-8, SB05_0-2, SB05_18-20, SB08_0.5-2, SB08_0-0.5, SB08_18-20, and SODUP02_030821 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/15/2021 at 18:15 exhibited %Ds above the control limit for acrolein (49.5%) and tert-butyl alcohol (21.8%) and an RF below control limits for trichloroethene (0.192). The associated results in samples SB05_8-10 and SB08_8-10 are qualified as "UJ" based on potential indeterminate bias.

21C0454

The LCS/LCSD for batch BC10960 exhibited percent recoveries below the LCL for hexachlorobutadiene (79%, 78.2%), tert-butylbenzene (77.7%, 74.9%), tetrachloroethene (73.1%, 70.8%), and trichloroethene (83.7%, 79.9%). The associated results in sample SB10_13-15 are qualified as "UJ" based on potential low bias.

The MB for batch BC10677 exhibited a detection of 2-butanone (0.0072 mg/kg). The associated results in samples SB10_0-2 and SB10_22-24 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch BC10960 exhibited a detection of 2-butanone (0.009 mg/kg). The associated result in sample SB10_13-15 is qualified as "U" at the reporting limit based on potential blank contamination.

The initial calibration verification (ICV) analyzed on 3/12/2021 at 17:44 exhibited %Ds above the control limit for acetone (-37.4%) and tert butyl alcohol (-33%). The associated results in samples SB10_0-2, SB10_13-15, and SB10_22-24 are qualified as “J” or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/15/2021 at 10:50 exhibited %Ds above the control limit for 1,4-dioxane (20.4%), 2-hexanone (23.4%), acetone (35.9%), cyclohexane (97.8%), and tert-butyl alcohol (20.5%). The associated results in samples SB10_0-2 and SB10_22-24 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/16/2021 at 13:28 exhibited %Ds above the control limit for acrolein (48.1%), bromomethane (26.3%), chloromethane (-22.2%), dichlorodifluoromethane (-26.7%), and tert-butyl alcohol (198%). The associated results in sample SB10_13-15 are qualified as "J" or "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

21C0110

The MB for batch BC10276 exhibited a detection of bis(2-ethylhexyl) phthalate (0.0252 mg/kg). The associated results in samples SB04_0-0.5 and SB09_6-8 are qualified as "U" at the reporting limit based on potential blank contamination.

Sample SB09_6-8 exhibited percent recoveries below the LCL for the surrogates 2,4,6-tribromophenol (18.6%) and 2-fluorophenol (17.9%). The associated results are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/5/2021 at 09:42 exhibited %Ds above the control limit for 2,4-dinitrophenol (46.4%), 4,6-dinitro-2-methylphenol (39.3%), acetophenone (-71.7%), aniline (-32%), benzaldehyde (-71.7%), and benzidine (-53.5%). The associated results in samples SB04_0-0.5, SB04_12-14, SB04_6-8, SB09_6-8, and SB09_8-10 are qualified as "J" or "UJ" based on potential indeterminate bias.

21C0167

The CCV analyzed on 3/5/2021 at 09:42 exhibited %Ds above the control limit for 2,4-dinitrophenol (46.4%), 4,6-dinitro-2-methylphenol (39.3%), acetophenone (-71.7%), aniline (-32%), benzaldehyde (-71.7%), and benzidine (-53.5%). The associated results in samples SB12_0.5-2, SB12_0-0.5, and SB12_8-10 are qualified as "UJ" based on potential indeterminate bias.

The MB for batch BC10276 exhibited a detection of bis(2-ethylhexyl) phthalate (0.0252 mg/kg). The associated results for samples SB12_0.5-2 and SB12_0-0.5 are qualified "U" at the sample concentration based on potential high bias.

21C0267

The CCV analyzed on 3/9/2021 at 14:20 exhibited %Ds above the control limit for 2,4-dinitrophenol (55%), 3,3'-dichlorobenzidine (-22.4%), 4,6-dinitro-2-methylphenol (49.4%), acetophenone (-84.7%), benzaldehyde (-73%), benzidine (-49.4%), hexachlorocyclopentadiene (22.1%), and pentachlorophenol (24.3%). The associated results in samples SB06_0.5-2, SB06_0-0.5, SB06_6-8, SB07_0-2, SB07_6-8, and SODUP01_030421 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/17/2021 at 17:07 exhibited %Ds above the control limit for 2,4-dinitrophenol (135%), benzidine (163%), bis(2-chloroethoxy) methane (73.7%), bis(2-chloroisopropyl) ether (71.1%), hexachlorobutadiene (77%), hexachlorocyclopentadiene (79.4%), isophorone (72.1%), nitrobenzene (72.8%), n-nitrosodimethylamine (74.2%), n-nitrosodi-n-propylamine (74.2%), and pyrene (75%). The associated results in sample SB06_22-24 are qualified as "UJ" based on potential indeterminate bias.

21C0344

The MB for batch BC10572 exhibited a detection of bis(2-ethylhexyl) phthalate (0.0220 mg/kg) and di-n-butyl phthalate (0.021 mg/kg). The associated bis(2-ethylhexyl) phthalate results in sample SB11_0-2 are qualified as "U" at the reporting limit based on potential blank contamination. All other associated results are non-detections, so qualification is not necessary.

The LCS for batch BC10572-BS1 exhibited a percent recovery below the LCL for 2,4-dinitrophenol (9.36%). The associated results in samples SB03_0.5-2, SB03_0-0.5, SB11_8-10, SB03_6-8, and SB11_0-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/10/2021 at 10:35 exhibited %Ds above the control limit for 2,4-dinitrophenol (46.6%), 2,4-dinitrotoluene (21.6%), 4,6-dinitro-2-methylphenol (40.9%), acetophenone (-68.5%), benzaldehyde (-68.5%), and benzidine (-42.9%). The associated results in samples SB03_0.5-2, SB03_0-0.5, SB11_8-10, SB03_6-8, and SB11_0-2 are qualified as "UJ" based on potential indeterminate bias.

21C0404

Sample SODUP02_030821 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (12.2%) and 2,4,6-tribromophenol (11.7%). The associated acid fraction results are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/12/2021 at 09:06 exhibited %Ds above the control limit for 3,3'-dichlorobenzidine (-21), 4,6-dinitro-2-methylphenol (30.4), acetophenone (-72.9), benzaldehyde (-

72.9), and benzidine (-58.5). The associated results in samples SB02_0.5-2, SB02_0-0.5, SB02_6-8, SB05_0-2, SB05_8-10, SB08_0.5-2, SB08_0-0.5, SB08_8-10, and SODUP02_030821 are qualified as "UJ" based on potential indeterminate bias.

21C0454

The CCV analyzed on 3/15/2021 at 14:24 exhibited %Ds above the control limit for acetophenone (-63.6%), benzaldehyde (-63.6%), benzidine (-52.3%), aniline (-26%), 2,4,5-trichlorophenol (20.1%), 2,6-dinitrotoluene (20.2%), 2,4-dinitrotoluene (21.2%), 2-nitrophenol (21.8%), benzoic acid (22.3%), 2,4-dinitrophenol (72.1%), and 4,6-dinitro-2-methylphenol (73%). The associated results in samples SB10_0-2, SB10_13-15, and SB10_22-24 are qualified as "UJ" based on potential indeterminate bias.

PFAS by USEPA Method 537M

21C0110

The LCS for batch BC10282 exhibited percent recoveries below the LCL for PFBS (44.7%) and PFHpA (45.5%). The associated results in samples SB04_0-0.5, SB04_12-14, SB04_6-8, SB09_6-8, and SB09_8-10 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/10/2021 at 12:54 exhibited percent recoveries below the LCL for PFBS (36.7%), PFBA (42.1%), and PFPeA (32.4%). The associated results in samples SB04_12-14, SB09_6-8, and SB09_8-10 are qualified as "UJ" based on potential low bias.

21C0167

The CCV analyzed on 3/10/2021 at 16:30 exhibited percent recoveries below the LCL for N-EtFOSAA (-33.1%) and PFTrDA (-32.7%). The associated results in samples SB12_0.5-2, SB12_0-0.5, and SB12_8-10 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/10/2021 at 21:31 exhibited percent recoveries below the LCL for N-EtFOSAA (-32.8%) and FOSA (42.8%). The associated results in samples SB12_0.5-2, SB12_0-0.5, and SB12_8-10 are qualified as "UJ" based on potential low bias.

21C0267

The CCV analyzed on 3/10/2021 at 16:30 exhibited %Ds above the control limit for PFTrDA (-32.7%) and N-EtFOSAA (-33.1%). The associated results in samples SB06_0.5-2, SB06_0-0.5, SB06_6-8, SB07_0-2, SB07_6-8, and SODUP01_030421 are qualified as "UJ" based on potential indeterminate bias.

21C0344

The CCV analyzed on 3/11/2021 at 18:59 exhibited a %D above the control limit for FOSA (36.6%). The associated results in samples SB03_0.5-2, SB03_0-0.5, SB11_8-10, SB03_6-8, and SB11_0-2 are qualified as "UJ" based on potential indeterminate bias.

Pesticides by SW-846 Method 8081B

21C0110

Sample SB04_0-0.5 exhibited relative percent differences (RPDs) above the control limit between the primary and secondary gas chromatography (GC) columns for alpha-chlordane (63.35%) and gamma-chlordane (54.12%). The associated results are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/8/2021 at 12:46 exhibited a percent recovery below the LCL for 4,4'-DDD (23.5%). The associated results in samples SB04_0-0.5, SB04_12-14, SB04_6-8, SB09_6-8, and SB09_8-10 are qualified as "UJ" based on potential low bias.

Herbicides by SW-846 Method 8151A

21C0404

Sample SB08_0.5-2 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (2%, 2.8%). The associated results are qualified as "UJ" based on potential low bias.

Sample SB02_0.5-2 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (6.2%, 6.6%). The associated results are qualified as "UJ" based on potential low bias.

Sample SODUP02_030821 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (6.2%, 7.2%). The associated results are qualified as "UJ" based on potential low bias.

21C0454

Sample SB10_0-2 exhibited a percent recovery below the LCL for the surrogate 2,4-DCAA (3.2%). The associated results are qualified as "UJ" based on potential low bias.

Metals by SW-846 Method 6010D/7473

21C0344

The matrix spike (MS) performed on sample SB03_0-0.5 exhibited percent recoveries outside of control limits for beryllium (74.7%), silver (55.4%), lead (150%), mercury (1.59%). The associated results in sample SB03_0-0.5 are qualified as "J" or "UJ" based on potential bias.

21C0404

The MS/matrix spike duplicate (MSD) performed on sample SB08_0-0.5 exhibited a percent recoveries outside of control limits for chromium (141%) and zinc (64.2%) and exhibited an RPD above the control limit for iron (40.1%). The associated results in sample SB08_0-0.5 are qualified as "J" based on potential bias.

The post-digestion spike (PDS) performed on sample SB08_0-0.5 exhibited a percent recovery below the LCL for silver (0%). The associated results in sample SB08_0-0.5 are qualified as "UJ" based on potential low bias.

The serial dilution performed on sample SB08_0-0.5 exhibited %D above the control limit for barium (15.8%), calcium (11.2%), magnesium (11.7%), manganese (13.4%), nickel (10.1%), and vanadium (10.8%). The associated results are qualified as "J" based on potential indeterminate bias.

The laboratory duplicate and parent sample (SB08_0-0.5) exhibited a RPD above the control limit for iron (40.1%). The associated results are qualified as "J" based on potential indeterminate bias.

The ICV analyzed on 3/15/2021 at 09:25 exhibited percent recoveries above the control limits for antimony (118%) and selenium (115%). The associated results in samples SB02_0.5-2, SB02_0-0.5, SB02_6-8, SB05_0-2, SB05_8-10, SB08_0.5-2, SB08_0-0.5, SB08_8-10, and SODUP02_030821 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/15/2021 at 13:50 exhibited percent recoveries above the control limit for barium (112%), lead (111%), manganese (111%), potassium (113%), selenium (111%), thallium (111%), and vanadium (111%). The associated results in samples SB08_8-10, SB08_0.5-2, and SB08_0-0.5 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/15/2021 at 14:24 exhibited percent recoveries above the control limit for barium (111%), manganese (111%), potassium (111%), and thallium (111%). The associated results in samples SB02_0.5-2, SB02_0-0.5, SB02_6-8, and SODUP02_030821 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/15/2021 at 16:46 exhibited percent recoveries above the control limit for arsenic (117%), barium (118%), beryllium (116%), cadmium (114%), calcium (111%), chromium (113%), cobalt (115%), copper (112%), lead (116%), manganese (117%), nickel (115%), potassium (115%), selenium (118%), silver (112%), thallium (116%), vanadium (117%), and zinc (113%). The associated results in samples SB05_0-2 and SB05_8-10 are qualified as "J" or "UJ" based on potential indeterminate bias.

21C0454

The MB for batch BC10804 exhibited a detection of zinc (7.92 mg/kg). The associated results in samples SB10_13-15 and SB10_22-24 are qualified as "J" based on potential blank contamination.

The ICV analyzed on 3/16/2021 at 07:46 exhibited a percent recovery above the control limit for antimony (115%). The associated results in samples SB10_0-2, SB10_13-15, and SB10_22-24 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/16/2021 at 12:17 exhibited a percent recovery below the LCL for sodium (78.4%). The associated results in samples SB10_0-2, SB10_13-15, and SB10_22-24 are qualified as "J" based on potential low bias.

The CCV analyzed on 3/16/2021 at 12:52:00 exhibited a percent recovery below the LCL for sodium (79.1%). The associated results in samples SB10_0-2, SB10_13-15, and SB10_22-24 are qualified as "J" based on potential low bias.

Cyanide by SW-846 Method 9012B

21C0344

The MS performed on sample SB03_0-0.5 exhibited a percent recovery below the LCL for cyanide (78.6%). The associated results in sample SB03_0-0.5 are qualified as "UJ" based on potential low bias.

21C0404

The MS performed on sample SB08_0-0.5 exhibited a percent recovery below the LCL for total cyanide (43.4%). The associated results in sample SB08_0-0.5 are qualified as "UJ" based on potential low bias.

Hexavalent Chromium by SW-846 Method 7196A

21C0344

The MS performed on sample SB03_0-0.5 exhibited a percent recovery below the LCL for hexavalent chromium (36.2%). The associated results in sample SB03_0-0.5 are qualified as "UJ" based on potential low bias.

21C0404

The MS/MSD performed on sample SB08_0-0.5 exhibited a percent recovery below the LCL for hexavalent chromium (65.8%, 52.4%). The associated results in sample are qualified as "J" based on potential low bias.

The MS/MSD performed on sample SB08_0.5-2 exhibited a percent recovery below the LCL for hexavalent chromium (0%, 0%). The associated results in sample SB08_0.5-2 are qualified as "UJ" based on potential low bias.

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

21C0110

The MB BC10455 exhibited detections of bromomethane (0.27 mg/kg). The associated results are non-detections. No qualification is necessary.

The LCSD for batch BC10337 exhibited percent recoveries above the upper control limit (UCL) for sec-butylbenzene (128%) and p-isopropyltoluene (126%). The associated results are non-detections. No qualification is necessary.

21C0167

The LCSD for batch BC10337 exhibited percent recoveries above the UCL for p-isopropyltoluene (126%) and sec-butylbenzene (128%). The associated results are non-detections. No qualification is necessary.

21C0267

The LCS/LCSD for batch BC10554 exhibited a percent recovery above the UCL for hexachlorobutadiene (141%, 141%). The associated results were previously qualified. No further action is necessary.

The LCS/LCSD for batch BC10604 exhibited a percent recovery above the UCL for hexachlorobutadiene (158%, 155%). The associated results are non-detections. No qualification is necessary.

21C0344

The MB for batch BC10473 exhibited a detection of bromomethane (0.26 mg/kg). The associated results are non-detections. No qualification is necessary.

The LCS/LCSD for batch BC10604 exhibited percent recoveries above the UCL for hexachlorobutadiene (155%, 158%). The associated results are non-detections. No qualification is necessary.

The MS/MSD performed on sample SB03_0-0.5 exhibited percent recoveries below the LCL for methylcyclohexane (29.9%, 31%) and cyclohexane (42.6%, 42.9%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

21C0404

The MS/MSD performed on sample SB08_0-0.5 exhibited percent recoveries outside of control limits for methylcyclohexane (45.5%, 37.4%), cyclohexane (50.9%), bromodichloromethane (22.7%, 20.4%), 1,2-dichloroethane (47.2%), cyclohexane (46.3%), 1,2,4-trichlorobenzene (8.38%), dibromomethane (46.3%), 1,2,3-trichlorobenzene (8.5%), hexachlorobutadiene (7.78%), and 1,2,3-trichloropropane (37.4%). This MS/MSD also exhibited RPDs above the control limits for styrene (39%), trans-1,3-dichloropropene (30%), 1,4-dichlorobenzene (52%), chlorobenzene (32%), 1,2,4-trichlorobenzene (52%), sec-butylbenzene (56%), 1,3-dichlorobenzene (51%), carbon disulfide (36%), 1,2,3-trichlorobenzene (47%), hexachlorobutadiene (45%), 1,2-dichlorobenzene (52%), and p-isopropyltoluene (60%). Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

The LCS/LCSD for batch BC10538 exhibited a percent recovery above the UCL for hexachlorobutadiene (139%, 139%). The associated results are non-detections. No qualification is necessary.

Sample SB05_8-10 exhibited a percent recovery below the LCL for the surrogate 1,2-dichloroethane-d4 (47.9%). The sample was diluted >10X, no qualification is required.

Sample SB08_8-10 exhibited a percent recovery below the LCL for the surrogate 1,2-dichloroethane-d5 (48.2%). The sample was diluted >10X, no qualification is required.

21C0454

The LCS for batch BC10677 exhibited percent recoveries above the UCL for chloroethane (147%) and vinyl chloride (133%). The associated results are non-detections. No qualification is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

21C0110

Sample SB04_12-14 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (122%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB09_8-10 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (125%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

21C0167

The FB (SO_FB01_030321) exhibited detections of pyrene (0.0615 ug/l), fluorene (0.164 ug/l), and naphthalene (0.533 ug/l). The associated results are >2X the contamination. No qualification is necessary.

21C0267

Sample SB07_6-8 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (156%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB06_6-8 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (206%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SODUP01_030421 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (283%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

21C0344

Sample SB03_0.5-2 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (188%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB03_6-8 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (230%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

The MS/MSD performed on sample SB03_0-0.5 exhibited RPDs above the control limit for 3,3'-dichlorobenzidine (39.6%) and bis(2-chloroisopropyl) ether (37.7%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MB for batch BC10618 exhibited a detection of bis(2-ethylhexyl) phthalate (0.650 ug/l). The associated results are non-detections. No qualification is necessary.

The FB (SOFB02_030521) exhibited a detection of pyrene (0.0727 ug/l). The associated results are non-detections. No qualification is necessary.

21C0404

Sample SB08_0.5-2 exhibited a percent recovery below the LCL for the surrogate 2-fluorophenol (18.8%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB05_8-10 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (122%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB02_0-0.5 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (117%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB02_0.5-2 exhibited a percent recovery below the LCL for the surrogate 2-fluorophenol (16.4%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB05_0-2 exhibited percent recoveries above the UCL for the surrogates nitrobenzene-d5 (173%) and 2,4,6-tribromophenol (114%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample SB08_8-10 exhibited percent recoveries above the UCL for the surrogates nitrobenzene-d5 (190%) and phenol-d5 (133%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

The MS/MSD performed on sample SB08_0-0.5 exhibited a percent recovery below the LCL for benzoic acid (7.12%) and an RPD above the control limit for benzoic acid (99.7%). Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

Pesticides by SW-846 Method 8081B

21C0167

The LCS for batch BC10364 exhibited percent recoveries above the UCL for endosulfan I (156%) and endosulfan II (144%). The associated results are non-detections. No qualification is necessary.

21C0267

The LCS for batch BC10491 exhibited a percent recovery above the UCL for alpha endosulfan (143%). The associated results are non-detections. No qualification is necessary.

21C0344

The MS/MSD performed on sample SB03_0-0.5 exhibited percent recoveries above the UCL for endrin (151%), methoxychlor (157%), endosulfan sulfate (163%), beta endosulfan (160%), endrin ketone (164%), dieldrin (153%), 4,4'-DDD (166%), and heptachlor (156%). This MS/MSD also exhibited RPDs above the control limit for delta BHC (31.6%) and 4,4'-DDT (36.9%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

21C0404

The MS/MSD performed on sample SB08_0-0.5 exhibited a RPD above the control limit for heptachlor epoxide (40.8%). Pesticides results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

PFAS by USEPA Method 537M

21C0110

Sample SB04_0-0.5 exhibited percent recoveries above the UCL for the surrogates M3-PFBS (223%), M4-PFHpA (180%), and M5-PFPeA (183%). The associated results are non-detections. No qualification is necessary.

Sample SB04_12-14 exhibited percent recoveries above the UCL for the surrogates M3-PFBS (213%), M4-PFHpA (188%), and M5-PFPeA (182%). The associated results are non-detections. No qualification is necessary.

Sample SB04_6-8 exhibited percent recoveries above the UCL for the surrogates M3-PFBS (190%), M5-PFPeA (159%), and M2-6:2FTS (185%). The associated results are non-detections. No qualification is necessary.

Sample SB09_6-8 exhibited percent recoveries above the UCL for the surrogates M3-PFBS (218%), M4-PFHpA (175%), and M5-PFPeA (175%). The associated results are non-detections. No qualification is necessary.

Sample SB09_8-10 exhibited percent recoveries above the UCL for the surrogates M3-PFBS (231%), M4-PFHpA (177%), and M5-PFPeA (194%). The associated results are non-detections. No qualification is necessary.

21C0167

Sample SB12_0.5-2 exhibited a percent recovery above the UCL for the surrogate M3-PFBS (161%). The associated results are non-detections. No qualification is necessary.

Sample SB12_8-10 exhibited a percent recovery above the UCL for the surrogate M2-6:2FTS (166%). The associated results are non-detections. No qualification is necessary.

21C0344

The LCS for batch BC10476 exhibited percent recoveries above the UCL for PFHxS (131%) and PFOS (161%). The associated results are non-detections. No qualification is necessary.

The MS performed on sample SB03_0-0.5 exhibited percent recoveries above the UCL for PFHxS (153%) and PFOS (184%). Organic results are not qualified on the basis of MS recoveries alone. No qualification is necessary.

21C0404

Sample SB05_0-2 exhibited a percent recovery above the UCL for the surrogate M2-8:2 FTS (196%). The associated result is a non-detection. No qualification is necessary.

Sample SB02_6-8 exhibited percent recoveries above the UCL for the surrogates M2-8:2 FTS (182%) and M2-6:2FTS (196%). The associated results are non-detections. No qualification is necessary.

Herbicides by SW-846 Method 8151A

21C0344

The MS/MSD performed on sample SB03_0-0.5 exhibited RPDs above the control limit for 2,4,5-TP (39.3%), 2,4,5-T (49.3%), and 2,4-D (55.1%). Organic results are not qualified on the basis of MS/MSD RPDs alone. No qualification is necessary.

Metals by SW-846 Method 6020B/7473

21C0110

The MB for batch BC10279 exhibited a detection of potassium (8.49 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

21C0167

The MB for batch BC10280 exhibited a detection of potassium (8.66 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BC11055 exhibited a detection of potassium (9.01 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The FB (SO_FB01_030321_20210303) exhibited a detection of potassium (0.191 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The FB (SO_FB01_030321_20210303) exhibited a detection of mercury (0.00020 mg/l). The associated results are >10X the contamination. No qualification is necessary.

21C0267

The MB for batch BC10478 exhibited a detection of potassium (6.05 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BC11055 exhibited a detection of potassium (9.01 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

21C0344

The MB for batch BC10544 exhibited detections of calcium (11.9 mg/kg), manganese (1.30 mg/kg), and potassium (20.3 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS/MSD performed on sample SB03_0-0.5 exhibited percent recoveries outside of control limits for aluminum (-154%), zinc (14.7%), manganese (4.8%), calcium (12400%), iron (407%), magnesium (6870%), and potassium (137%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

21C0404

The MS/MSD performed on sample SB08_0-0.5 exhibited percent recoveries outside of control limits for aluminum (343%), calcium (8590%), magnesium (2270%), iron (-3700%), and manganese (160%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The PDS performed on sample SB08_0-0.5 exhibited percent recoveries above the UCL for aluminum (190%), calcium (2370%), iron (458%), and magnesium (336%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MB for batches BC10633, BC10693, and BC10788 exhibited detections of potassium (11.2%, 9.74%, and 7.88%). The associated results are >10X the contamination. No qualification is necessary.

21C0454

The MB for batch BC10804 exhibited detections of potassium (7.67 mg/kg), calcium (106 mg/kg), and zinc (7.92 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE SUMMARY:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±2X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- SODUP02_030821 and SB02_0.5-2

The field duplicate and parent sample (SODUP02_030821 and SB02_0.5-2) exhibited RPDs above the control limit for lead (71.9%) and selenium (61.2%). The associated results are qualified as "J" based on potential indeterminate bias.

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, with the exception of the rejected results. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Staff Chemist

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

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Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

To: Elizabeth Burgess, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: April 16, 2021

Re: Data Usability Summary Report
For 240 Huntington Street
March 2021 Groundwater Samples
Langan Project No.: 170430003

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of groundwater samples collected in March 2021 by Langan Engineering and Environmental Services ("Langan") at the 240 Huntington Street site ("the site"). The samples were analyzed by York Laboratories, Inc. (NYSDOH NELAP registration # 10854) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg), cyanide (CN), hexavalent chromium (CrVI), trivalent chromium (CrIII), and cyanide (CN) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Methods 8270D and 8270D selective ion monitoring (SIM)
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Total and Dissolved Metals by SW-846 Methods 6020B/6010D
- Total and Dissolved Mercury by SW-846 Method 7470
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)
- Cyanide by SM 4500 CN C/E

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

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, and field and trip blank sample results.

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

R – The sample results are unusable due to the quality of the data generated because certain criteria were not met. 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 (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.

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 not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable as qualified and are listed 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

21C0665

The field blank (FB) GWFB01_031221 exhibited a detections of 2-butanone (0.820 ug/l), tert butyl alcohol (0.950 ug/L), and methylene chloride (1.85 ug/L). The associated 2-butanone result in sample MW12_031221 is qualified as "U" at the sample concentration based on potential blank contamination. The tert butyl alcohol and methylene chloride results are non-detections, so no qualification is required.

The trip blank (TB) TRIP BLANK_031221 exhibited a detections of 2-butanone (0.750 ug/l), tert butyl alcohol (0.550 ug/L), and methylene chloride (1.37 ug/L). The associated 2-butanone result in sample MW12_031221 is qualified as "U" at the sample concentration based on potential blank contamination. The tert butyl alcohol and methylene chloride results are non-detections, so no qualification is required.

The method blank (MB) associated with batch BC10886 exhibited a detection of 2-butanone (0.690 ug/l). The associated result in sample MW12_031221 is qualified as "U" at the sample concentration based on potential blank contamination.

The continuing calibration verification (CCV) analyzed on 3/15/2021 at 23:55 exhibited percent differences (%Ds) above the control limit for bromomethane (-45.7%), chloromethane (-35.1%), dichlorodifluoromethane (-36.7%), and vinyl chloride (-21.8%). The associated results in samples MW03_031221 and GWDUP01_031221 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/17/2021 at 10:17 exhibited %Ds above the control limit for bromomethane (-68.3%), chloromethane (-45.8%), dichlorodifluoromethane (-44.3%), and vinyl chloride (-31.4%). This CCV also exhibited response factors (RFs) below the control limit for tetrachloroethylene (0.1875%) and trichloroethylene (0.1973%). The associated results in samples MW11_031221 and MW12_031221 are qualified as "UJ" based on potential indeterminate bias.

21C0907

The FB (GW_FB02_031821_20210318) exhibited a detection of 2-butanone (0.890 ug/l). The associated result in sample MW10_031821 is qualified as "U" at the sample concentration based on potential blank contamination.

The second source calibration verification (SCV) analyzed on 2/11/2021 at 19:14 exhibited a %D above the control limit for chloromethane (39%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/19/2021 at 10:20 exhibited %Ds above the control limit for bromomethane (-64.3%) and chloromethane (-24.4%) and exhibited a RF below the control limit for bromoform (0.0991). The associated results in sample MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/22/2021 at 10:29 exhibited %Ds above the control limit for bromomethane (-68.9%) and chloromethane (-25.3%). The associated results in sample MW06_031821 are qualified as "UJ" based on potential indeterminate bias.

21C0945

The MB for batch BC11281 exhibited a detection of 2-butanone (0.78 ug/l). The associated result in sample MW02_031821 is qualified as "U" at the sample concentration based on potential blank contamination.

The SCV analyzed on 2/11/2021 at 19:14 exhibited a %D above the control limit for chloromethane (39%). The associated result in sample MW02_031821 is qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/22/2021 at 10:26 exhibited a %Ds above the control limit for bromomethane (-68.9%) and chloromethane (-25.3%) and exhibited an RF below the control limit for tetrachloroethylene (0.199). The associated results in sample MW02_031821 are qualified as "UJ" based on potential indeterminate bias.

The TB (TB03_031921) exhibited detections of o-xylene (0.4 ug/l), total xylenes (0.88 ug/l), and 2-butanone (0.32 ug/L). The associated results in sample MW02_031821 are qualified as "U" at the higher of the sample concentration or reporting limit based on potential blank contamination.

The laboratory control sample and laboratory control sample duplicate (LCS/LCSD) for batch BC11281 exhibited a relative percent difference (RPD) above the control limit for tert-butyl alcohol (32.8%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential indeterminate bias.

21C0975

The TB (TB04_031921) exhibited a detection of tert-butyl alcohol (2.07 ug/l) and 2-butanone (2.07 ug/L). The associated 2-butanone result in sample MW10D_031921 is qualified "U" at the reporting limit. The other associated results are either non-detections or are >10X the contamination, so no qualification is necessary.

The MB for batch BC11281 exhibited a detection of 2-butanone (0.78 ug/l). The associated result in sample MW10D_031921 is qualified as "U" at the reporting limit based on potential blank contamination. The associated result in sample MW04_031921 is >10X the contamination, so no qualification is necessary.

The SCV analyzed on 2/11/2021 at 19:14 exhibited a %D above the control limit for chloromethane (39%). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/22/2021 at 10:26 exhibited a %D above the control limit for bromomethane (-68.9%) and chloromethane (-25.3%) and exhibited an RF below the control limit for tetrachloroethylene (0.199). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

21C0665

The initial calibration (ICAL) for instrument BNA#5 exhibited a relative standard deviation (RSD) above the control limit for benzo(a)anthracene (20.4%). The associated results in samples MW03_031221, MW11_031221, MW12_031221, and GWDUP01_031221 are qualified as "J" or "UJ" based on potential indeterminate bias.

The ICAL for instrument BNA#6 exhibited a RSD above the control limit for benzoic acid (29.1%). The associated results in samples MW03_031221, MW11_031221, and MW12_031221 are qualified as "UJ" based on potential indeterminate bias.

The SCV analyzed on 3/23/2021 at 18:29 exhibited %Ds above the control limit for benzo(g,h,i)perylene (70%), bis(2-ethylhexyl)phthalate (60%), dibenzo(a,h)anthracene (65%), indeno(1,2,3-cd)pyrene (54%), and pentachlorophenol (49%). The associated results in samples MW03_031221, MW11_031221, MW12_031221, and GWDUP01_031221 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/19/2021 at 09:04 exhibited %Ds above the control limit for 4,6-dinitro-2-methylphenol (42.2%), 4-nitrophenol (57.2%), benzaldehyde (-70.8%), benzidine (-64.6%), benzoic acid (71.9%), hexachlorocyclopentadiene (-28.1%), and pyridine (24.4%). The associated results in samples MW03_031221, MW11_031221 and MW12_031221 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/22/2021 at 13:41 exhibited %Ds above the control limit for 2,4-dinitrophenol (83.9%), 2,4-dinitrotoluene (20.3%), 4,6-dinitro-2-methylphenol (86.8%), acetophenone (-69%), benzaldehyde (-40.8%), benzidine (-54.8%), benzoic acid (33.2%), and hexachlorocyclopentadiene (-32.9%). The associated results in sample GWDUP01_031221 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/24/2021 at 07:46 exhibited a %D above the control limit for pentachlorophenol (-32.5%). The associated results for samples MW11_031221 and GWDUP01_031221 are qualified "UJ" based on potential indeterminate bias.

The FB (GWFB01_031221) exhibited a detection of bis(2-ethylhexyl) phthalate (0.600 ug/l). The associated result in sample MW11_031221 is qualified as "U" at the sample concentration based on potential blank contamination. Other associated results are non-detections, so qualification was not required.

The MB for batch BC11080-BLK2 exhibited a detection of pyrene (0.0600 ug/l). The associated results in samples MW03_031221 and MW12_031221 are qualified as "U" at the sample concentration based on potential blank contamination.

Sample MW11_031221 exhibited percent recoveries below the lower control limit (LCL) for the surrogates 2-fluorophenol (11.5%), phenol-d5 (7.24%), nitrobenzene-d5 (43.5%), and 2-fluorobiphenyl (37.9%). The associated results are qualified as "UJ" based on potential low bias.

Sample GWDUP01_31221 exhibited percent recoveries below the LCL for the internal standards chrysene-d12 (34%) and perylene-d12 (25%). The associated results are qualified as "UJ" based on potential loss of instrument sensitivity.

The LCS for batch BC11080 exhibited percent recoveries outside of control limits for benzo(g,h,i)perylene (164%), indeno(1,2,3-c,d)pyrene (143%), dibenz(a,h)anthracene (154%), naphthalene (182%), n-nitrosodimethylamine (0%), 4-nitrophenol (0%, 153%), and phenol (0%). This LCS/LCSD also exhibited RPDs above the control limit for 2,4-dinitrophenol (63.1%), 3-nitroaniline (21.2%), 4,6-dinitro-2-methylphenol (20.3%), 4-chloroaniline (31.9%), 4-nitrophenol (186%), and aniline (37.9%). The associated results in samples MW03_031221, MW11_031221, MW12_031221, and GWDUP01_031221 are qualified as "J" or "UJ" based on potential bias.

21C0907

The LCS/LCSD for batch BC11284 exhibited a percent recovery below the LCL for benzoic acid (17.3%, 19%) and n-nitrosodimethylamine (0%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch BC11284 exhibited RPDs above the control limit for 3-nitroaniline (20.1%), 4-chloroaniline (28.3%), aniline (20.7%), and bis(2-chloroethyl) ether (30.2%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument BNA#5 exhibited a RSD above the control limit for benzo(a)anthracene (20.38%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "J" based on potential indeterminate bias.

The initial calibration verification (ICV) analyzed on 3/23/2021 at 18:29 exhibited %Ds above the control limit for benzo(g,h,i)perylene (70%), bis(2-ethylhexyl)phthalate (60%), dibenzo(a,h)anthracene (65%), indeno(1,2,3-cd)pyrene (54%), and pentachlorophenol (49%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/23/2021 at 14:14 exhibited %Ds above the control limit for 2,4-dinitrophenol (48.1%), 4,6-dinitro-2-methylphenol (43.8%), benzaldehyde (-68.2%), benzidine (-48.7%), benzyl butyl phthalate (31.1%), di-n-octyl phthalate (35.3%), and hexachlorocyclopentadiene (-50.2%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/24/2021 at 07:46 exhibited a %D above the control limit for pentachlorophenol (-32.5%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

21C0945

The LCS/LCSD for batch BC11316 exhibited a percent recovery below the LCL for n-nitrosodimethylamine (0%) and an RPD above the control limit for aniline (29.5%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument BNA#6 exhibited a RSD above the control limit for benzoic acid (29.08). The associated result in sample MW02_031821 is qualified as "J" based on potential indeterminate bias.

The CCV analyzed on 3/23/2021 at 13:49 exhibited %Ds above the control limits for 2,4-dinitrophenol (-26.7%), 4,6-dinitro-2-methylphenol (36.9%), 4-nitrophenol (42.5%), benzaldehyde (-67.3%), benzidine (-59.9%), benzoic acid (60.8%), and hexachlorocyclopentadiene (-35.4%). The associated results in sample MW02_031821 are qualified as "J" or "UJ" based on potential indeterminate bias.

The ICAL for instrument BNA #5 exhibited a RSD above the control limit for benzo(a)anthracene (20.38%). The associated results in sample MW02_031821 are qualified as "J" based on potential indeterminate bias.

The SCV analyzed on 3/23/2021 at 18:29 exhibited %Ds above the control limit for bis(2-ethylhexyl)phthalate (60%), pentachlorophenol (49%), benzo(g,h,i)perylene (70%), dibenzo(a,h)anthracene (65%), and indeno(1,2,3-cd)pyrene (54%). The associated results in sample MW02_031821 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/24/2021 at 07:46 exhibited a %D above the control limit for pentachlorophenol (-32.5%). The associated result in sample MW02_031821 is qualified as "UJ" based on potential indeterminate bias.

Sample MW02_031821 exhibited a percent recovery below control limits for the internal standard perylene-d12 (19%). The associated detect results are qualified as "J" and "UJ" based on potential loss of instrument sensitivity.

21C0975

The LCS/LCSD for batch BC11316 exhibited percent recovery for benzoic acid (0%) and n-nitrosodimethylamine (0%) and an RPD for aniline (29.5%) outside of control limits. The associated results in samples MW04_031921 and MW10D_031921 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument BNA#6 exhibited a RSD above the control limit for benzoic acid (29.08%). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/23/2021 at 13:49 exhibited %Ds above the control limit for 2,4-dinitrophenol (-26.7%), 4,6-dinitro-2-methylphenol (36.9%), 4-nitrophenol (42.5%), benzaldehyde (-67.3%), benzidine (-59.9%), benzoic acid (60.8%), and hexachlorocyclopentadiene (-35.4%). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "J" or "UJ" based on potential indeterminate bias.

Sample MW04_031921 exhibited percent recoveries above the upper control limit (UCL) for the internal standards naphthalene-d8 (25%), acenaphthene-d10 (27%), chrysene-d12 (45%), and perylene-d12 (11%). The associated results are qualified as "J" or "UJ" based on potential low bias.

Sample MW10D_031921 exhibited percent recoveries above the UCL for the internal standards naphthalene-d8 (15%) and perylene-d12 (47%). The associated results are qualified as "J" or "UJ" based on potential low bias.

The ICAL for instrument BNA #5 exhibited a RSD above the control limit for benzo(a)anthracene (20.39%). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "UJ" based on potential indeterminate bias.

The SCV analyzed on 3/23/2021 at 18:29 exhibited %Ds above the control limit for benzo(g,h,i)perylene (70%), bis(2-ethylhexyl)phthalate (60%), dibenzo(a,h)anthracene (65%), indeno(1,2,3-cd)pyrene (54%), and pentachlorophenol (49%). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/25/2021 at 13:17 exhibited a %D above the control limit for pentachlorophenol (-42.6%). The associated results in samples MW04_031921 and MW10D_031921 are qualified as "J" or "UJ" based on potential indeterminate bias.

The pyrene result for sample MW04_031921was reported above the calibration range of the instrument. The associated result is qualified "J" based on a potential bias.

PFAS by USEPA Method 537M

21C0665

Sample MW12_031221 exhibited percent recoveries outside of control limits for the surrogates MPFBA (13%), M8FOSA (9%), M2-6:2FTS (302%), and M2-8:2FTS (175%). The associated PFBA and FOSA results are qualified as "J" or "UJ" based on potential low bias. The 6:2FTS and 8:2FTS results are non-detections so no qualification is required.

Sample MW11_031221 exhibited a percent recovery outside of control limits for the surrogates M8FOSA (3.98%), M2-6:2FTS (415%), and M2-8:2FTS (228%). The associated FOSA result is qualified as "J" based on potential low bias. The 6:2FTS and 8:2FTS results are non-detections so no qualification is required.

Sample GWDUP01_031221 exhibited a percent recovery outside of control limits for the surrogates M8FOSA (8.46%), M2-6:2FTS (444%), and M2-8:2FTA (273%). The associated FOSA result is qualified as "J" based on potential low bias. The 6:2FTS and 8:2FTS results are non-detections so no qualification is required.

21C0907

Sample MW06_031821 exhibited a percent recovery outside of control limits for the surrogates MPFBA (4.67%), M2-6:2FTS (432%), and M2-8:2FTS (231%. The associated PFBA results are

qualified as "J" based on potential low bias. The associated 6:2FTS and 8:2FTS are non-detections so no qualification is required.

21C0945

Sample MW02_031821 exhibited a percent recoveries outside of control limits for the surrogates MPFOA (49%), MPFBA (12.2%), d3-N-MeFOSAA (157%), d5-N-EtFOSAA (178%), M2-8:2FTS (528%), and M2-6:2FTS (503%). The associated PFBA and PFOA results are qualified as "J" based on potential low bias. The associated N-MeFOSAA, N-EtFOSAA, 8:2FTS, and 6:2FTS results are non-detections, so qualification is not required.

Sample MW02_031821 exhibited a percent recovery below the LCL for the internal standard MPFOA (49%). The associated results are qualified as "J" or "UJ" based on potential high bias or loss of instrument sensitivity.

21C0975

Sample MW04_031921 exhibited a percent recovery below the LCL for the internal standard MPFOA (45%). The associated results are qualified as "J" or "UJ" based on potential loss of instrument sensitivity.

Pesticides by SW-846 Method 8081B

21C0665

Sample MW11_031221 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (15.8%). The associated results are qualified as "UJ" based on potential low bias.

Sample GWDUP01_031221 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (12.8%). The associated results are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/19/2021 at 11:55 exhibited a %D above the control limit for 4,4'-DDD (28.3%). The associated results in samples MW03_031221, MW11_031221, and MW12_031221 are qualified as "UJ" based on potential indeterminate bias.

21C0907

The LCS/LCSD for batch BC11415 exhibited RPDs above the control limit for endosulfan I (21.3%), endosulfan II (29.5%), alpha-chlordane (20.4%), dieldrin (21%), endosulfan sulfate (21.8%), endrin (20%), endrin ketone (26.3%), gamma BHC (20.4%), gamma-chlordane (20.5%),

heptachlor (22.9%), and methoxychlor (22.2%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

Sample MW06_031821 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (17.9%). The associated results are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/25/2021 at 12:48 exhibited a %D above the control limit for 4,4'-DDE (-20.2%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential indeterminate bias.

21C0945

The LCS/LCSD for batch BC11415 exhibited RPDs above the control limit for endosulfan sulfate (21.8%), endosulfan II (29.5%), alpha-chlordane (20.4%), endrin ketone (26.3%), gamma-chlordane (20.5%), gamma BHC (20.4%), dieldrin (21%), methoxychlor (22.2%), heptachlor (22.9%), and endosulfan I (21.3%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/25/2021 at 12:34 exhibited a %D above the control limit for endosulfan I (48.9). The associated results in sample MW02_031821 are qualified as "UJ" based on potential indeterminate bias.

21C0975

The LCS/LCSD for batch BC11415 exhibited RPDs above the control limit for alpha-chlordane (20.4%), dieldrin (21%), endosulfan I (21.3%), endosulfan II (29.5%), endosulfan sulfate (21.8%), endrin ketone (26.3%), gamma-BHC (20.4%), gamma-chlordane (20.5%), heptachlor (22.9%), and methoxychlor (22.2%). The associated results in sample MW10D_031921 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/25/2021 at 12:34 exhibited a %D above the control limit for endosulfan I (48.9%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/25/2021 at 17:36 exhibited a %D above the control limit for endosulfan I (32.7%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential indeterminate bias.

21C1199

The CCV analyzed on 4/1/2021 at10:57 exhibited a %D above the control limit for delta-BHC (21.9%) and gamma-BHC (23.5%). The associated results in sample MW04_032421 are qualified as "UJ" based on potential indeterminate bias

PCBs by SW-846 Method 8082A

21C0665

Sample MW11_031221 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (13.5%). The associated results are qualified as "UJ" based on potential low bias.

Sample GWDUP01_031221 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (11%). The associated results are qualified as "UJ" based on potential low bias.

21C0907

Sample MW06_031821 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (24.5%). The associated results are qualified as "UJ" based on potential low bias.

21C0945

Sample MW02_031821 exhibited a percent recoveries outside of control limits for the surrogate decachlorobiphenyl (18%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential low bias.

21C1199

Sample MW04_032421 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (20%). The associated results are qualified as "UJ" based on potential low bias.

Metals by SW-846 Methods 6010C/6020B

21C0665

The LCS for batch BC10927 exhibited a percent recovery below the LCL for total antimony (79.2%). The associated result in sample GWDUP01_031221 is qualified as "UJ" based on potential low bias.

The LCS for batch BC11117 exhibited percent recoveries below the LCL for dissolved antimony (74%) and dissolved cadmium (77.5%). The associated results in samples MW03_031221, MW11_031221, MW12_031221, and GWDUP01_031221 are qualified as "UJ" based on potential low bias.

The LCS for batch BC11331 exhibited a percent recovery below the LCL for dissolved silver (52.8%). The associated results in samples MW03_031221, MW11_031221, MW12_031221, and GWDUP01_031221 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/18/2021 at 18:29 exhibited a percent recovery below the LCL for total sodium (89.1%). The associated results in samples MW03_031221, MW11_031221, MW12_031221, GWDUP01_031221 are qualified as "J" based on potential low bias.

The CCV analyzed on 3/18/2021 at 18:29 exhibited a percent recovery below the LCL for total sodium (88.7%). The associated result in sample MW03_031221 is qualified as "J" based on potential low bias.

The CCV analyzed on 3/18/2021 at 18:29 exhibited a percent recovery below the LCL for total sodium (89.5%). The associated results in samples MW11_031221, MW12_031221, GWDUP01_031221 are qualified as "J" based on potential low bias.

The CCV analyzed on 3/18/2021 at 15:57 exhibited percent recoveries below the LCL for total antimony (85.9%) and total cadmium (88.5%). The associated results in samples MW03_031221, MW11_031221, MW12_031221 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/18/2021 at 14:51 exhibited a percent recovery below the LCL for total antimony (84.2%). The associated result in sample GWDUP01_031221 is qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/18/2021 at 19:47 exhibited percent recoveries outside of control limits for dissolved antimony (72.9%), dissolved cadmium (71.6%), and dissolved thallium (113%). The associated dissolved antimony and cadmium results in samples MW03_031221, MW11_031221, MW12_031221, GWDUP01_031221 are qualified as "UJ" based on potential low bias. The associated thallium results are non-detections, so qualification was not required.

21C0907

The LCS for batch BC11436 exhibited a percent recovery below the LCL for total silver (53.5%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential low bias.

The LCS for batch BC11522-BS1 exhibited a percent recovery below the LCL for dissolved silver (54.3%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "UJ" based on potential low bias.

The LCS for batch BC11525-BS1 exhibited a percent recovery below the LCL for dissolved antimony (74.8%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "J" or "UJ" based on potential low bias.

The CCV analyzed on 3/25/2021 at 11:52 exhibited a percent recovery outside of control limits for dissolved sodium (88%). The associated results in samples MW06_031821 and MW10_031821 are qualified as "J" based on potential low bias.

The CCV analyzed on 3/25/2021 at 14:00 exhibited percent recoveries outside of control limits for total antimony (72%), total beryllium (86.9%), total cadmium (79.1%), and total thallium (111%). The associated total antimony, total beryllium, and total cadmium results in samples MW06_031821 and MW10_031821 are qualified as "J" or "UJ" based on potential low bias. The associated total thallium results are non-detections, so no qualification is required.

The CCV analyzed on 3/25/2021 at 14:00 exhibited percent recoveries outside of control limits for dissolved antimony (72%), dissolved beryllium (86.9%), dissolved cadmium (79.1%), and dissolved thallium (111%). The associated dissolved antimony, dissolved beryllium, and dissolved cadmium results in samples MW06_031821 and MW10_031821 are qualified as "J" or "UJ" based on potential low bias. The associated dissolved thallium results are non-detections, so no qualification is required.

21C0945

The LCS/LCSD for batch BC11436 exhibited a percent recovery below the LCL for total silver (53.5%). The associated result in sample MW02_031821 is qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch BC11522 exhibited a percent recovery below the LCL for dissolved silver (54.3%). The associated result in sample MW02_031821 is qualified as "UJ" based on potential low bias.

The CRDL for batch BC11522 exhibited a percent recovery below the LCL for dissolved lead (50.5%). The associated result in sample MW02_031821 is qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch BC11525 exhibited a percent recovery below the LCL for dissolved antimony (74.8%). The associated result in sample MW02_031821 is qualified as "UJ" based on potential low bias.

The ICV analyzed on 3/25/2021 at 11:37 exhibited a percent recovery below the LCL for total selenium (89%) and dissolved selenium (89%). The associated results in sample MW02_031821 are qualified as "J" based on potential low bias.

The CCV analyzed on 3/25/2021 at 14:00 exhibited percent recoveries outside of control limits for dissolved antimony (72%), dissolved beryllium (86.9%), dissolved cadmium (79.1%), and dissolved thallium (111%). The associated dissolved antimony, dissolved beryllium, and dissolved cadmium results in sample MW02_031821 are qualified as "UJ" based on potential low bias. The associated dissolved thallium results are non-detections, so qualification is not required.

The CCV analyzed on 3/25/2021 at 14:00 exhibited percent recoveries outside of control limits for antimony, total (72%), beryllium, total (86.9%), and cadmium, total (79.1%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/25/2021 at 14:42 exhibited percent recoveries below the LCL for antimony, dissolved (66.7%), beryllium, dissolved (82.3%), and cadmium, dissolved (79%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/25/2021 at 12:39 exhibited a percent recovery below the LCL for antimony, total (89.9%). The associated results in sample MW02_031821 are qualified as "UJ" based on potential low bias.

21C0975

The matrix spike (MS) performed on sample MW10D_031921 exhibited a percent recovery below the LCL for dissolved silver (53.2%), dissolved antimony (54.9%), dissolved beryllium (63.9%), and dissolved thallium (71.8%). The associated results in sample MW10D_031921 are qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch BC11522 exhibited a percent recovery below the LCL for dissolved silver (54.3%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch BC11524 exhibited a percent recovery below the LCL for total silver (40.8%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The LCS for batch BC11525 exhibited a percent recovery below the LCL for dissolved antimony (74.8%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The serial dilution performed on sample MW10D_031921 exhibited percent difference above the control limits for dissolved calcium (15.4%), dissolved potassium (13.2%), dissolved sodium (15.1%), dissolved magnesium (14.8%), and dissolved manganese (19.3%). The associated results in sample MW10D_031921 are qualified as "J" based on potential indeterminate bias.

The contract required detection limit (CRDL) for batch BC11522 exhibited a percent recovery below the LCL for dissolved lead (50.5%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The CRDL for batch BC11524 exhibited a percent recovery below the LCL for total lead (50.5%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The ICV analyzed on 3/25/2021 at 11:37 exhibited a percent recovery below the control limit for dissolved selenium (89%). The associated result in sample MW10D_031921 is qualified as "J" based on potential indeterminate bias.

The CCV analyzed on 3/26/2021 at 16:34 exhibited %Ds above the control limit for total antimony (80.7%) and total cadmium (87.9%). The associated results in sample MW10D_031921 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/26/2021 at 17:15 exhibited a %D above the control limit for total antimony (89%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The CCV analyzed on 3/25/2021 at 14:00 exhibited %Ds above the control limit for dissolved antimony (72%), dissolved cadmium (79.1%), dissolved beryllium (86.9%), and dissolved thallium (111%). The associated dissolved antimony, dissolved cadmium, and dissolved beryllium results in sample MW10D_031921 are qualified as "UJ" based on potential low bias. The associated dissolved thallium result is a non-detection, so no qualification is required.

The CCV analyzed on 3/25/2021 at 14:42 exhibited %Ds above the control limit for dissolved antimony (667%) and dissolved beryllium (82.3%). The associated results in sample MW10D_031921 are qualified as "UJ" based on potential low bias.

The CRDL for batch BC11525 exhibited a percent recovery below the LCL for dissolved antimony (62.8%). The associated result in sample MW10D_031921 is qualified as "UJ" based on potential low bias.

The CRDL for batch BC11526 exhibited a percent recovery below the LCL for total selenium (57.7%). The associated result in sample MW10D_031921 is qualified as "J" based on potential low bias.

21C1199

The LCS for batch BC11763-BS1 exhibited percent recoveries above the UCL for total antimony (149%), total arsenic (135%), total beryllium (129%), total cadmium (157%), and total selenium (126%). The associated detected results in sample MW04_032421 are qualified as "J" based on potential high bias. The associated non-detects did not require qualification.

The LCS for batch BC11765-BS1 exhibited percent recoveries below the LCL for dissolved antimony (19.9%), dissolved arsenic (3.69%), dissolved selenium (3.69%), and dissolved thallium (0.928%). The associated results in sample MW04_032421 are qualified as "J" or "UJ" based on potential low bias.

The ICV analyzed on 4/1/2021 at 11:21 exhibited a percent recovery below the control limit for total antimony (113%), total arsenic (113%), total cadmium (121%), and total thallium (119%). The associated total arsenic results in sample MW04_032421 are qualified as "J" based on potential indeterminate bias.

The CCV analyzed on 4/1/2021 at 12:30 exhibited %Ds above the control limit for total arsenic (119%), total beryllium (84.6%), total cadmium (123%), total selenium (117%), and total thallium (19.3%). The associated total beryllium and total thallium results in sample MW04_032421 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 4/1/2021 at 11:21 exhibited a percent recovery below the control limit for dissolved antimony (113%), dissolved arsenic (113%), dissolved cadmium (121%), and dissolved thallium (119%). The associated dissolved arsenic results in sample MW04_032421 are qualified as "J" based on potential indeterminate bias.

The CCV analyzed on 4/1/2021 at 12:33 exhibited %Ds above the control limit for dissolved arsenic (119%), dissolved beryllium (84.6%), dissolved cadmium (123%), dissolved selenium (117%), and dissolved thallium (19.3%). The associated dissolved beryllium, dissolved arsenic, and dissolved selenium results in sample MW04_032421 are qualified as “J” or "UJ" based on potential indeterminate bias.

The CCV analyzed on 4/1/2021 at 13:11 exhibited %Ds above the control limit for dissolved antimony (126%), dissolved arsenic (140%), dissolved beryllium (112%), dissolved cadmium (148%), dissolved selenium (135%), and dissolved thallium (50.6%). The associated dissolved beryllium, dissolved arsenic, and dissolved selenium results in sample MW04_032421 are qualified as "J" or "UJ" based on potential indeterminate bias.

Hexavalent Chromium by SW-846 Method 7196A

21C0945

Sample MW02_031821 was analyzed for hexavalent chromium outside of the technical hold time of 24 hours. Given the brevity of the hold time for hexavalent chromium, associated sample result is qualified as "UJ" based on potential low bias.

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

21C0665

The MB associated with batch BC10963 exhibited a detection of 2-butanone (0.700 ug/l). The associated results were previously qualified. No further action is necessary.

The MS/matrix spike duplicate (MSD) performed on sample MW11_031221 exhibited percent recoveries outside of control limits for cyclohexane (34.8%), methylcyclohexane (42%, 133%), tert-butyl alcohol (0%), 1,1,2-trichloroethane (160%), and bromochloromethane (122%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

21C0907

The FB (GW_FB02_031821_20210318) exhibited detections of acetone (4.52 ug/l), benzene (0.210 ug/l), o-xylene (0.220 ug/l), toluene (0.910 ug/l), total xylenes (0.690 ug/l), chloroform (0.310 ug/l), and methylene chloride (1.10 ug/L). The associated results are >10x the contamination for common laboratory contaminants or are non-detections. No qualification is necessary.

The MB for batch BC11198 exhibited a detection of 2-butanone (0.690 ug/l). The associated results were previously qualified. No further action is necessary.

The MB for batch BC11281 exhibited a detection of 2-butanone (0.780 ug/l). The associated results were previously qualified. No further action is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

21C0665

Sample MW12_031221 exhibited a percent recovery below the LCL for the surrogate 2-fluorophenol (16.7%). No more than one surrogate from a single fraction MW12_031221recovered outside of the control limits. No qualification is necessary.

21C0907

The MB for batch BC11284-BLK2 exhibited a detection of pyrene (0.0500 ug/l). The associated results are >10x the blank contamination. No qualification is necessary.

PFAS by USEPA Method 537M

21C0665

Sample MW03_031221 exhibited a percent recovery above the UCL for the surrogate M2-6:2FTS (328%). The associated result is a non-detection. No qualification is necessary.

21C0907

Sample MW10_031821 exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (276%) and M2-8:2FTS (234%). The associated results are non-detections. No qualification is necessary.

21C0945

Sample MW02_031821 exhibited percent recoveries above the UCL for the surrogates d3-N-MeFOSAA (157%), d5-N-EtFOSAA (178%), M2-8:2 FTS (528%), and M2-6:2 FTS (503%). The associated results are non-detections. No qualification is necessary.

21C0975

Sample MW04_031921 exhibited percent recoveries above the UCL for the surrogates d5-N-EtFOSAA (168%), M2-6:2FTS (448%), and M2-8:2FTS (406%). The associated results are non-detections. No qualification is necessary.

Pesticides by SW-846 Method 8081B

21C0665

The LCS/LCSD for batch BC11079 exhibited percent recoveries above the UCL for beta BHC (141%), endrin (141%), endosulfan I (147%, 145%), endosulfan II (163%, 156%), dieldrin (151%, 145%), endosulfan sulfate (159%, 165%), endosulfan sulfate (159%, 165%), endrin aldehyde

(154%, 142%), endrin ketone (160%, 150%), heptachlor epoxide (146%, 146%), heptachlor epoxide (146%, 146%), 4,4'-DDD (175%, 167%), and methoxychlor (149%). The associated results are non-detections. No qualification is necessary.

Metals by SW-846 Method 6010C/6020B

21C0665

The FB (GWFB01_031221) exhibited a detection of total calcium (0.120 mg/l), total potassium (0.116 mg/L), and dissolved calcium (0.0562 mg/L). The associated results are >10X the blank contamination. No qualification is necessary.

The MB for batch BC10925-BLK1 exhibited a detection of total potassium (0.188 mg/l). The associated results are >10X the blank contamination. No qualification is necessary.

21C0907

The MB for batch BC11436 exhibited a detection of total potassium (0.0932 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BC11522 exhibited a detection of total potassium (0.126 mg/l). The associated results are >10X the contamination. No qualification is necessary.

21C0945

The MB for batch BC11436 exhibited a detection of total potassium (0.0932 mg/l). The associated results are >10X the contamination or non-detections. No qualification is necessary.

The MB for batch BC11522 exhibited a detection of dissolved potassium (0.126 mg/l). The associated results are >10X the contamination or non-detections. No qualification is necessary.

21C0975

The MB for batch BC11522 exhibited a detection of dissolved potassium (0.126 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BC11524 exhibited a detection of total potassium (0.0972 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The post-digestion spike (PDS) performed on sample MW10D_031921 exhibited percent recoveries above the UCL for dissolved calcium (66%), dissolved magnesium (46.6%), and sodium, dissolved (1180%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The PDS performed on sample MW10D_031921 exhibited a percent recovery above the UCL for dissolved silver (44.4%). The associated results were previously qualified. No further action is necessary.

The serial dilution performed on sample MW10D_031921 exhibited percent difference above the control limit for dissolved iron (20.2%) and barium (dissolved) (21.1%). Sample concentrations are <50x the reporting limit. No qualification is necessary.

21C1199

The MB for batch BC11761-BLK1 exhibited a detection of total potassium (0.102 mg/L). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BC11764-BLK1 exhibited a detection of dissolved potassium (0.0922 mg/L). The associated results are >10X the contamination. No qualification is necessary.

The LCS for batch BC11765-BS1 exhibited a percent recovery above the UCL for dissolved cadmium (134%). The associated results are non-detections. No qualification is necessary.

The CCV analyzed on 4/1/2021 at 11:48 exhibited %Ds above the control limit for total antimony (162%), total beryllium (147%), total cadmium (165%), and total thallium (119%). The associated results in sample MW04_032421 are non-detections, so qualification is not required.

FIELD DUPLICATE SUMMARY:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- GWDUP01_031221 and MW11_031221

The field duplicate and parent sample (MW11_031221) exhibited RPDs above the control limit for acenaphthene (68.9%), cyanide (198.3%), dissolved lead (32.4%), naphthalene (42.4%), PFPeA (117.1%), and phenanthrene (52.8%). The associated results are qualified as "J" or "UJ" based on potential indeterminate bias.

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
Staff Chemist

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

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Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Elizabeth Burgess, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: March 31, 2021

Re: Data Usability Summary Report
For 240 Huntington Street
March 2021 Soil Vapor and Air Samples
Langan Project No.: 170430003

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in March 2021 by Langan Engineering and Environmental Services ("Langan") at the 240 Huntington Street site ("the site"). The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

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

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, internal standard area counts, target compound identification and quantification, chromatograms, and overall system performance.

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

- **R –** The sample results are unusable due to the quality of the data generated because certain criteria were not met. 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 (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.
- **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 not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to 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. No minor deficiencies were identified.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

FIELD DUPLICATE:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less

than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for vapor samples. The following field duplicate and parent sample pairs were compared to the precision criteria:

- SVDUP01_030921 and SV03_030921

The field duplicate and parent sample (SVDUP01_030921 and SV03_030921) relative percent differences (RPDs) above the control limit for benzene (36.29%), cyclohexane (98.93%), isopropanol (56.91%), methylene chloride (47.62%), n-heptane (83.69%), and n-hexane (92.31%). The associated results are qualified as "J" based on potential indeterminate bias.

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
Staff Chemist

APPENDIX K

FISH AND WILDLIFE RESOURCES IMPACT ANALYSIS DECISION KEY

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key	If YES Go to:	If NO Go to:
1. Is the site or area of concern a discharge or spill event?	13	2
2. Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3. Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4. Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5. Has the contamination gone off-site?	6	14
6. Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7. Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8. Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9. Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10. Is the lack of resources due to the contamination?	3.10.1	14
11. Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12. Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13. Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14. No Fish and Wildlife Resources Impact Analysis needed.		