



August 22, 2014

Ms. Lee Guterman
Deputy Director, IEH Division
New York City School Construction Authority
30-30 Thomson Avenue
Long Island City, NY 11101-3045

**Re: Phase II Environmental Site Investigation
Proposed Public School
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and
1880-1894 East Tremont Avenue, Bronx, NY 10462 (Block 3952, Lots 1, 7, 8, 17 & 23)
LLW # 091486; IEH Job # X882-48569**

Dear Ms. Guterman:

D&B Engineers and Architects, P.C. (D&B) conducted a Phase II Environmental Site Investigation (ESI) at the Site located at 1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and 1880-1894 East Tremont Avenue in the Bronx, New York 10462 (hereafter referred to as the "Site"). The Site consists of an approximate 70,600-square-foot lot improved with five interconnected one- and two-story commercial buildings with basements, as well as an active gasoline station. The Phase II ESI field activities were performed on June 23 through 30, 2014 and consisted of a geophysical survey, the advancement of soil borings and collection and analysis of soil vapor, soil and groundwater samples.

The geophysical survey identified anomalies consistent with utilities throughout the sampling area and identified and confirmed anomalies consistent with the underground storage tanks at the northwest corner of the Site. The analyses of the soil samples revealed several volatile organic compounds (VOCs), semivolatile organic compounds, metals and pesticides at concentrations exceeding comparison levels, which were attributed to historic fill of unknown origin, historical and current Site use, as well as off-site sources. Several VOCs were detected in soil vapor and groundwater above the applicable comparison criteria, which may be attributable to historical and/or current Site use or off-site sources.

D&B recommends that a sub-slab depressurization system (SSDS) be installed and a soil vapor barrier be integrated into the new school design to prevent potential soil vapor intrusion. All material excavated during construction activities should be properly characterized and disposed and a minimum of two feet of environmentally clean fill should be placed over existing soil in all landscaped areas. All tanks, piping and appurtenances on the Site should be removed. Suspect asbestos containing material, lead based paint, and PCB-containing materials should be properly identified and managed during demolition and construction activities. Based on the Phase II ESI results, groundwater remediation and long-term groundwater monitoring will be required. In addition, limited soil remediation is anticipated during removal of the existing on-site tanks and during excavation activities required to construct the foundation of the new school building.

Sincerely,
D&B Engineers and Architects, P.C.

Richard M. Walka
Senior Vice President
♦3154NN08211402

**PHASE II ENVIRONMENTAL SITE INVESTIGATION
OF
PROPOSED PUBLIC SCHOOL
1597-1627 UNIONPORT ROAD, 1889-1905 GUERLAIN STREET,
1572-1592 WHITE PLAINS ROAD AND 1880-1894 EAST TREMONT AVENUE
BRONX, NEW YORK 10462
BLOCK 3952, LOTS 1, 7, 8, 17 & 23

NYCSCA LLW NO. 091486
NYCSCA CONTRACT NO. C000013007
NYCSCA JOB NO. X882-48569

D&B PROJECT NO. 3415-F02

AUGUST 22, 2014**

Prepared by:



KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

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NOTICE OF REMEDIATION REQUIRED

Environmental contamination at the project site must be remediated prior to, or during, site development.

Remedial design documents must be included within bid specifications for the construction contract.

Contact IEH Department for additional information or assistance.

Site Name	Proposed Public School Facility	LLW No.	091486
Description	1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and 1880-1894 East Tremont Avenue	IEH Job Number	X882-48569
District	12	Consultant Vendor	D&B Engineers and Architects, P.C.
Borough	Bronx	Phase I Delivery Date	4/14/2014
Block/ Lot	Block 3952, Lots 1, 7, 8, 17 & 23	Phase II Delivery Date	8/22/2014

Identified Contamination

MEDIA	CONTAMINANT	CONCENTRATION RANGE	UNITS
Soil Vapor	VOCs	29.83 to 32,644.3	ug/m3
Soil Vapor	Tetrachloroethene	0.34 to 31,193	ug/m3
Soil	1,2,4-Trimethylbenzene	<0.00016 to 33.6	mg/kg
Soil	1,3,5-Trimethylbenzene	<0.00016 to 11	mg/kg
Soil	Acetone	<0.0008 to 0.0576	mg/kg
Soil	Benzene	<0.00016 to 7	mg/kg
Soil	Ethylbenzene	<0.00016 to 13.5	mg/kg
Soil	Isopropylbenzene	<0.00016 to 14.3	mg/kg
Soil	m,p-Xylene	<0.00032 to 43.8	mg/kg
Soil	o-Xylene	<0.00016 to 12.7	mg/kg
Soil	Tetrachloroethene	<0.00016 to 3.3	mg/kg
Soil	Toluene	<0.00016 to 3.4	mg/kg
Soil	Naphthalene	<0.00016 to 32.3	mg/kg
Soil	n-Butylbenzene	<0.00016 to 12.6	mg/kg
Soil	n-Propylbenzene	<0.00016 to 41.1	mg/kg
Soil	2-Methylnaphthalene	<0.0366 to 0.75	mg/kg
Soil	Indeno(1,2,3-cd)pyrene	<0.0366 to 3.1	mg/kg
Soil	Benzo(a)anthracene	<0.0366 to 6.5	mg/kg
Soil	Benzo(a)pyrene	<0.0366 to 5	mg/kg
Soil	Benzo(b)fluoranthene	<0.0366 to 5.8	mg/kg
Soil	Benzo(k)fluoranthene	<0.0366 to 2.7	mg/kg
Soil	Chrysene	<0.0366 to 5.3	mg/kg
Soil	Dibenzo(a,h)anthracene	<0.0366 to 0.76	mg/kg
Soil	4,4'-DDE	<0.36 to 4.7	ug/kg
Soil	Arsenic	0.473 to 22.6	mg/kg
Soil	Barium	7.86 to 1410	mg/kg
Soil	Cadmium	<0.138 to 5.77	mg/kg
Soil	Chromium	14.9 to 102	mg/kg
Soil	Copper	7.86 to 146	mg/kg
Soil	Lead	9.84 to 3240	mg/kg
Soil	Mercury	<0.005 to 0.681	mg/kg
Soil	Nickel	8.38 to 80.8	mg/kg
Soil	Silver	0.746 to 2.6	mg/kg
Soil	Zinc	18.9 to 1710	mg/kg
Groundwater	1,2,4-Trimethylbenzene	<0.200 to 2600	ug/l
Groundwater	1,3,5-Trimethylbenzene	<0.200 to 750	ug/l
Groundwater	Benzene	<0.200 to 4000	ug/l
Groundwater	Chloroform	<0.200 to 15.8	ug/l
Groundwater	cis-1,2-Dichloroethene	<0.200 to 7.6	ug/l
Groundwater	Ethylbenzene	<0.200 to 4600	ug/l
Groundwater	Isopropylbenzene	<0.200 to 130	ug/l
Groundwater	m,p-Xylene	<0.400 to 13800	ug/l
Groundwater	Naphthalene	<0.200 to 500	ug/l
Groundwater	n-Butylbenzene	<0.200 to 5.8	ug/l
Groundwater	n-Propylbenzene	<0.200 to 400	ug/l
Groundwater	o-Xylene	<0.200 to 5100	ug/l
Groundwater	p-Isopropyltoluene	<0.200 to 14.5	ug/l
Groundwater	sec-Butylbenzene	<0.200 to 30	ug/l
Groundwater	Methyl tert-Butyl Ether	<0.500 to 46.9	ug/l
Groundwater	Tetrachloroethene	<0.200 to 220	ug/l
Groundwater	Toluene	<0.200 to 530	ug/l
Groundwater	Trichloroethene	<0.200 to 8	ug/l
Groundwater	Cresols, m&p	<1 to 3.2	ug/l
Groundwater	Phenol	<1 to 21.9	ug/l
Groundwater	Manganese	0.0125 to 17.9	mg/l
Groundwater	Selenium	0.000859 to 0.0164	mg/l

Required Remediation

MEASURE (list recommended remediation measures)	METHOD (e.g., Contractor HASP, soil excavation, removed soil characterization, sub-slab vapor membrane, etc.)	COST ESTIMATE
Implement further remediation measures	Soil Excavation and Off-Site Disposal, Tank Removal, Groundwater Remediation and Monitoring, Soil Vapor Barrier and Sub-Slab Depressurization System	\$3,195,200

Comments

D&B Engineers and Architects, P.C. (D&B) conducted a Phase II Environmental Site Investigation (ESI) at the Site located at 1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and 1880-1894 East Tremont Avenue in the Bronx, New York 10462 (hereafter referred to as the "Site"). The Site consists of an approximate 70,600-square-foot lot improved with five interconnected one- and two-story commercial buildings with basements, as well as an active gasoline station. The Phase II ESI field activities were performed on June 23 through 30, 2014 and consisted of a geophysical survey, the advancement of soil borings and collection and analysis of soil vapor, soil and groundwater samples.

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Attachments

The following environmental reports are attached to this document:

REPORT	PREPARE FIRM	DATE
Phase II Environmental Site Investigation	D&B Engineers and Architects, P.C.	8/22/2014

Signature

Anthony Caniano	D&B Engineers and Architects, P.C.	8/22/2014
Preparer	Firm	Date

Copy:



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PROPOSED PUBLIC SCHOOL
1597-1627 UNIONPORT ROAD, 1889-1905 GUERLAIN STREET,
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EXECUTIVE SUMMARY

At the request of the New York City School Construction Authority (NYCSCA), D&B Engineers and Architects, P.C. (D&B) conducted a Phase II Environmental Site Investigation (ESI) of the proposed public school facility located at 1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and 1880-1894 East Tremont Avenue in the Bronx, New York 10462 (hereafter referred to as the "Site"). The legal description of the Site is Block 3952, Lots 1, 7, 8, 17 & 23. The NYCSCA is considering acquiring the Site for the demolition of all on-site structures and construction of a new public school facility. The Site consists of an entire city block bounded by East Tremont Avenue to the north, Unionport Road to the east, Guerlain Street to the south, and White Plains Road to the west, and is located in an area that is primarily characterized by residential and commercial use.

The Site consists of an approximate 70,600-square-foot (1.62 acre) lot improved with an assemblage of five interconnected one and two-story commercial buildings with basements, as well as a gasoline station with a convenience store. Lot 1 includes a one-story building with an approximate 7,000-square-foot footprint constructed in 1949; Lot 7 includes a two-story building with an approximate 6,650-square-foot footprint constructed in 1949; Lot 8 includes an active gasoline station and a one-story building with an approximate 1,350-square-foot footprint constructed in 1953; Lot 17 includes a two-story building with an approximate 17,000-square-foot footprint constructed in 1942; and Lot 23 includes two one-story buildings with a combined approximate 22,000-square-foot footprint constructed in 1941.

The Site is generally used for commercial purposes including a gas station/convenience store, insurance brokers, hair salons, barber shop, laundromat, beauty products store, music store, furniture store, discount store, T-shirt printing/sales office, shoe repair, law office, insurance broker, bakery, food market, bar and restaurants. Historically, the Site was used for various commercial uses including stores and offices with a gas station located on the northwest corner of the Site. The historical uses of the commercial buildings included dry cleaners, dental offices, offices, stores, a movie theater and a bowling alley. Adjoining properties include commercial and residential properties.

D&B previously performed a Phase I Environmental Site Assessment (ESA) of the Site for the NYCSCA. The Phase I ESA Report dated April 14, 2014 identified Recognized Environmental Conditions (RECs) and/or Vapor Encroachment Conditions (VECs) associated with the current and historical use of the Site and off-site properties. The Phase I ESA identified on-site RECs associated with historic fill of unknown origin, an active gasoline/filling station, active aboveground storage tanks on multiple lots with petroleum odors, historical dry cleaners, former bowling alley, three storm drains located in the alleyway in the central portion of the Site with unknown discharge points, a suspect underground storage tank associated with an oil-fired steam boiler, and a historical photograph processing facility. The Phase I ESA also identified off-site RECs associated with multiple historical gasoline/filling stations identified with open and closed spills and documented contamination to soil and groundwater; historical automobile sales and service facilities; a Con Edison substation with numerous reported spills, historical coal bins and coal pockets, and documented soil and groundwater contamination; an apartment building complex listed in spills and leaking underground storage tank databases, history of spills, documented release of oil underground, and four active 60,000-gallon USTs; multiple sites listed in spills, leaking underground storage tank and petroleum bulk storage tanks databases, and open and closed spills; a former gasoline/filling station located at 2040 White Plains Road listed in the Brownfields Cleanup Program database with documented soil and groundwater contamination, closed status in the BCP with a vapor barrier/active SSDS under site management plan, and open spill for off-site groundwater contamination under investigation; an active carwash and service station formerly a gasoline/filling station; and an auto

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repair shop listed in historical automobile station database with underground storage tanks. Additionally, the evaluation revealed the presence of environmental concerns associated with the potential presence of asbestos-containing materials (ACM), lead-based paint (LBP), polychlorinated biphenyl (PCB)-containing ballasts and caulk, pigeon guano, rat droppings, mold from water damage, and regulatory compliance issues associated with the on-site aboveground and suspect underground storage tanks.

The purpose of the Phase II ESI was twofold: 1) determine if the RECs, VECs, and environmental concerns identified in the Phase I ESA Report require special consideration and/or affect the suitability of the Site for use as a public school facility, and 2) preliminarily characterize the environmental condition of the soil anticipated to be excavated for construction of the new school facility. Phase II ESI field activities were performed between June 23 through June 30, 2014 and included the performance of a geophysical survey, the advancing of 19 soil borings, the collection of 23 soil samples, 18 soil vapor samples, and 9 groundwater samples from the borings, and the collection of 4 groundwater samples from existing on-site monitoring wells.

Based on the Phase II ESI results, the following can be concluded:

- The RECs/VECs identified in the Phase I ESA were adequately investigated.
- The geophysical survey found two anomalies that are consistent with the USTs located at the gas station on the northwest corner of the Site (Lot 8).
- Elevated VOC concentrations were detected in soil vapor throughout the Site, with 16 of the 18 soil vapor samples exhibiting one or more VOCs at concentrations greater than the New York State Department of Health Air Guideline Values (AGVs) or the anticipated range of background levels. Soil vapor samples SV-8 and SV-15, located in the vicinity of former on-site dry cleaners (1590 White Plains Road and 1597 Unionport Road), exhibited PCE concentrations up to 1,000 times the AGV and TCE concentrations up to 25 times the AGV near the former on-site dry cleaners. PCE was detected above the AGV in 11 of the 18 soil vapor samples. Soil vapor sample SV-5, which exhibited a benzene concentration nearly 100 times the maximum comparison value, is located in the alleyway immediately downgradient of the on-site gas station. Petroleum-related compounds were detected in soil gas in the western and northwestern portions of the Site. At these locations, compounds detected in soil vapor above the anticipated range of background concentrations were also detected exceeding their respective regulatory standards in soil or groundwater samples and were consistent with field observations of contamination. Therefore, the detected soil vapor concentrations are likely due to historical and/or current use of the Site (e.g., the on-site gasoline station and former dry cleaners), as well as off-site sources (e.g., adjoining upgradient gasoline station spill).
- The soil sample analyses indicate that most of the following petroleum-related VOCs and SVOCs (2-methylnaphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-xylenes, o-xylene, toluene, naphthalene, n-butylbenzene and n-propylbenzene) were detected at concentrations greater than Unrestricted Use SCOs, SCLs and/or Supplemental SCOs in two soil samples located downgradient of the on-site gas station. The soil sample located in the vicinity of the former on-site dry cleaner formerly located at 1590 White Plains Road exhibited a PCE concentration of 3.3 mg/kg, above the Unrestricted Use SCO of 1.3 mg/kg. The source of these VOCs and SVOCs can likely be attributed to the

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historical or current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., adjoining upgradient gasoline station spill) for smear zone soil

- Various PAHs and one pesticide (4,4'-DDE) were detected above Unrestricted Use SCO and SCLs in one shallow soil sample. In addition, a total of 11 metals were detected in one or more soil samples at concentrations exceeding Unrestricted Use SCO or Supplemental SCO. Given that the highest concentrations were detected in shallow soil and are generally not consistent with the soil samples exhibiting petroleum contamination, the source of these SVOCs, metals and pesticides can likely be attributed to historic fill located on-site. Historic fill was observed in most boring locations with a maximum thickness of approximately 10 feet.
- The groundwater sample analyses indicate that most of the following VOCs and SVOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-cresols, m,p-xylene, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, phenol, p-isopropyltoluene, sec-butylbenzene, MTBE and toluene) were detected at concentrations greater than Class GA Groundwater Standards in groundwater samples located downgradient of the on-site gas station. Groundwater sample GW-17, located downgradient of the Site, exhibited concentrations of three chlorinated VOCs (1,2-DCE, PCE and TCE) above the groundwater standard, with a PCE concentration over 40 times the standard. The upgradient sample did not exhibit concentrations of VOCs or SVOCs in excess of the Class GA Groundwater Standards, with the exception of MTBE. Therefore, the contamination detected in the on-site wells is either from an on-site source (e.g., the on-site gasoline station) or Location 1 is not hydraulically upgradient of these wells and off-site sources (e.g., adjoining upgradient gasoline station spill) may be impacting the Site.
- The analyses indicate that several metals were detected in one or more groundwater samples at concentrations exceeding their respective NYSDEC Class GA Groundwater Standards. The metals, with the exception of manganese and selenium, were only elevated in the total metals analysis and not the dissolved metals analysis and therefore are related to sample turbidity and not on-site release. The presence of dissolved manganese and selenium is related to natural conditions.
- Based on the soil vapor concentrations, a VEC exists. Based on the Phase II investigation, the VOCs detected in soil and groundwater may be the source of these concentrations. These impacts may be related to the historical or current use of the Site or off-site sources.
- Based on comparison of groundwater sampling results to NYCDEP discharge parameters, pre-filtering will be required to address total suspended solids if plans include discharging to the sewer system during dewatering at the Site. In addition, treatment to address the on-site chlorinated VOC and petroleum contamination may be necessary.
- The soil encountered at the Site can be classified as nonhazardous industrial waste as defined in the NYCSCA 02200 Earthwork Specification template.
- Given the extent of observed petroleum and chlorinated VOC contamination in soil vapor, soil and groundwater, it is likely that proceeding with the proposed school at this Site will require NYSDEC involvement. The Site may be eligible for management under the Brownfield Cleanup Program (BCP). Further discussion with the NYSDEC is recommended to determine eligibility.

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Based on the results of the Phase II ESI, the following remedial actions and/or engineering controls are required to render the Site suitable for use as a public school facility:

- As a safeguard to prevent potential volatile organic compounds in soil vapor from entering the new school building in the future, a sub-slab depressurization system should be installed and a soil vapor barrier should be integrated into the new school design including the integration with any proposed damp-proofing or waterproofing components of the new school design.
- To mitigate elevated concentrations of organic compounds, groundwater remediation should be completed followed by long-term groundwater monitoring both on-site and off-site.

In addition, D&B recommends the following as part of the NYCSCA standard construction requirements:

- If soil is to be excavated during the development of the public school facility, D&B recommends properly characterizing the soil to identify appropriate material handling, reuse, and/or disposal requirements. Excavated material should be managed in accordance with applicable federal, state, and local laws and regulations and in consideration of the results of the characterization sampling and analysis. Based on the results of the analyses of soil samples collected during the Phase II ESI, material excavated from the Site is expected to be nonhazardous industrial waste, as defined in the standard NYCSCA 02200 Earthwork Specification section template, and should be identified as nonhazardous industrial waste for bidding purposes. Additionally, the project construction specifications should require completion of waste characterization sampling by the contractor.
- If dewatering is necessary during school construction activities, it is expected that treatment of dewatering effluent may be required prior to discharge to the municipal sewer. Dewatering, groundwater treatment, and disposal should be performed in accordance with applicable local, state, and federal regulations. Dewatering required during construction should be minimized to mitigate potential influx of contaminated water from off-site sources toward the Site.
- All tanks, piping and appurtenances on the Site should be removed (i.e. gasoline station), and all other underground/aboveground storage tanks should be removed from the Site.
- After the proposed new building and grounds are constructed, any exposed soil (landscaped areas) must be covered with at least two feet of environmentally clean fill.
- Suspect ACM, LBP, and/or PCB-containing materials should be properly managed during construction or demolition activities.

A description of the remedial engineering controls and associated cost estimates are included in *Appendix G*.

1.0 INTRODUCTION

1.1 Purpose

At the request of New York City School Construction Authority (NYCSCA), D&B Engineers and Architects, P.C. (D&B) conducted a Phase II Environmental Site Investigation (ESI) of the proposed public school facility located at 1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and 1880-1894 East Tremont Avenue in the Bronx, New York 10462 (hereafter referred to as the “Site”). The legal description of the Site is Block 3952, Lots 1, 7, 8, 17 & 23. The Site consists of an entire city block bounded by East Tremont Avenue to the north, Unionport Road to the east, Guerlain Street to the south, and White Plains Road to the west, and is located in an area that is primarily characterized by residential and commercial use.

The Site consists of an approximate 70,600-square-foot (1.62 acre) lot improved with an assemblage of five interconnected one and two-story commercial buildings with basements, as well as a gasoline station with a convenience store. Lot 1 includes a one-story building with an approximate 7,000-square-foot footprint constructed in 1949; Lot 7 includes a two-story building with an approximate 6,650-square-foot footprint constructed in 1949; Lot 8 includes an active gasoline station and a one-story building with an approximate 1,350-square-foot footprint constructed in 1953; Lot 17 includes a two-story building with an approximate 17,000-square-foot footprint constructed in 1942; and Lot 23 includes two one-story buildings with a combined approximate 22,000-square-foot footprint constructed in 1941.

The Site is generally used for commercial purposes including a gas station/convenience store, insurance brokers, hair salons, barber shop, laundromat, beauty products store, music store, furniture store, discount store, T-shirt printing/sales office, shoe repair, law office, insurance broker, bakery, food market, bar and restaurants. Historically, the Site was used for various commercial uses including stores and offices with a gas station located on the northwest corner of the Site. The historical uses of the commercial buildings included dry cleaners, dental offices, offices, stores, a movie theater and a bowling alley. Adjoining properties include commercial and residential properties. *Figure 1* presents a Site Location Map. A Site Plan showing Site features, tax block and lot numbers and anticipated groundwater flow direction is provided as *Figure 2*.

A Test Fit/Sketch Study, dated March 6, 2014, was prepared by the NYCSCA. The Test Fit/Sketch Study envisions a new four-story school building with a full basement encompassing 107,674 square feet of gross floor area. The first floor of the planned school includes a 14,400-square-foot outdoor play area in the northwest portion of the Site. A copy of the Test Fit/Sketch Study is provided in *Appendix F*.

This Phase II ESI was performed as a follow up to the Phase I Environmental Site Assessment (ESA), prepared by D&B, dated April 14, 2014. Its purpose is to determine if there are any Recognized Environmental Conditions (RECs), Vapor Encroachment Conditions (VECs) or environmental concerns identified on the property or adjacent areas that require special considerations and/or may have affected the suitability of the Site for use as a public school facility (See Section 1.2). The analytical data collected during this study will also assist in preliminarily characterizing the soil anticipated to be excavated for construction of the school facility. To accomplish these objectives, the following media were investigated: soil, soil vapor and groundwater.

1.2 Recognized Environmental Conditions (RECs), Vapor Encroachment Conditions (VECs) and Environmental Concerns

The Phase I ESA of the Site identified several on-site RECs, VECs, and environmental concerns, as listed below:

On-Site RECs/VECs:

- Historic fill of unknown origin.
- Active gasoline/filling station with two closed spills.
- Active aboveground storage tanks on multiple lots with petroleum odors.
- Historical dry cleaners (1590 White Plains Road and 1597 Unionport Road).
- Former bowling alley.
- Three storm drains located in the alleyway in the central portion of Site.
- Suspect underground storage tank associated with the oil-fired steam boiler.
- Historical photograph processing facility.

Off-Site RECs/VECs:

- Multiple historical gasoline/filling stations identified with open/closed spills and documented contamination to soil and groundwater.
- Historical auto sales and service facility with documented spills.
- Con Edison Parkchester-Tremont Substation listed in spills and leaking underground storage tank databases, historical coal bins and coal pockets, documented soil and groundwater contamination and numerous reported spills.
- Apartment building complex listed in spills and leaking underground storage tank databases, history of spills, documented release of oil underground, and four active 60,000-gallon USTs (with no leak detection or secondary containment in-place).
- Multiple sites listed in spills, leaking underground storage tank and petroleum bulk storage tanks databases, upgradient location and open/closed spills.
- Former gasoline/filling station located at 2040 White Plains Road listed in the Brownfields Cleanup Program database, documented soil and groundwater contamination, closed status in program with vapor barrier/active SSDS, under site management plan, and open spill for off-site groundwater contamination (under investigation).
- Active carwash and service station listed in historical automobile station database (former gasoline/filling station).
- Auto repair shop listed in historical automobile station database with underground storage tanks.

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This Phase I ESA has revealed the following environmental concerns associated with the Site:

- Potential presence of ACM, LBP, and PCB-containing equipment and material based on the age of the buildings.
- Presence of rat droppings and pigeon guano observed in the buildings.
- Presence of water damage and mold observed in the basements of the buildings.
- Regulatory compliance issues associated with the on-site aboveground and suspect underground storage tanks.

2.0 DESCRIPTION OF PHASE II ESI FIELD ACTIVITIES

Phase II ESI field activities were performed between June 23 and 30, 2014 and included the following:

- A pre-probe ACM survey prior to the ESI boring activities (performed by NYCSCA asbestos contractor/consultant);
- A geophysical survey to clear boring locations of utilities and identify any subsurface anomalies;
- Installation of nineteen soil vapor probes and collection of soil vapor samples for laboratory analysis;
- Advancement of nineteen soil borings with continuous sampling to the groundwater interface or refusal;
- Collection of soil samples from each boring for laboratory analysis;
- Collection of ten groundwater samples from specific borings where water was encountered; and
- Collection of four groundwater samples from existing permanent on-site wells.

A Site Plan showing all the sampling locations, Site features, tax block and lot numbers, identified RECs/VECs and anticipated groundwater flow direction is provided as *Figure 3*. Representative photographs of the field investigation activities including the condition of the Site prior to and following the investigation are included in *Appendix A*.

The Phase II ESI was conducted in general accordance with D&B's Phase II ESI Scope of Work dated April 14, 2014, with the following exceptions:

- Groundwater was not encountered at temporary wells GW-2, 4 and 12 due to refusal. As a result, groundwater samples were not collected for laboratory analysis from these locations. In order to obtain groundwater quality data from the northeast portion of the Site, a groundwater sample was collected from temporary well GW-11. This does not affect the conclusions of this report.
- Permanent monitoring wells MW-A, MW-B, MW-C and MW-D were inaccessible. As a result, groundwater samples were not collected for laboratory analysis from these wells. However, during the field activities, four additional monitoring wells were observed on-site and identified as MW-E, MW-F, MW-G and MW-H. Since these four wells are located in the vicinity of wells MW-A, MW-B, MW-C and MW-D, groundwater samples were collected from these wells. Information provided by the FOIL search did not indicate the owner of these wells or provide any current monitoring data. This does not affect the conclusions of this report.
- Due to the large area occupied by the building within Lot 23, an additional location was added to the program by the NYCSCA. This location is referred to as Location 19. It should be noted that a sub-slab soil vapor sample was proposed at this location. The sample was collected utilizing standard procedures. However, upon receipt at the laboratory, the laboratory indicated that the

sample was not in the Summa canister. As a result, a soil vapor sample was not obtained for this location. This does not affect the conclusions of this report.

- Since groundwater was not encountered at Locations 1 and 13 with the Geoprobe due to refusal, a hollow-stem auger drill rig was utilized to collect groundwater samples from these locations.
- Due to access limitations, the sampling locations within the Site buildings (i.e., Locations 3, 7, 10, 11 and 14) had to be relocated from their original proposed locations.
- Investigation derived waste (IDW) was not generated during the Phase II ESI. All surplus bored material (i.e., that not needed for sample collection) was utilized to backfill each borehole. In addition, all purged groundwater was introduced back into each borehole prior to backfilling.

The scope of the field activities and methods are described below.

2.1 Geophysical Survey

A geophysical survey was performed on June 16, 2014 by Nova Geophysical Services (NOVA) of Douglaston, New York to determine the location and extent of subsurface anomalies (i.e., USTs and associated ancillary piping, suspect drywells, subsurface piping and utility lines, buried structures, etc.) and to verify that the proposed sample locations were clear of subsurface structures and utilities. The geophysical survey equipment consisted of a Geonics™ Electromagnetic Utility Detector (EUD-3) and a Noggin's 250 MHz ground penetrating radar (GPR) shielded antenna. The entire exterior portions of the Site were surveyed; in the building interiors, only the boring locations were cleared. The Site was first screened using the EUD-3 by carrying the instrument over the Site in 4' x 4' traverses. If evidence of anomalies was observed, GPR profiles were collected over each anomaly, which could be indicative of USTs. Sample locations were established in areas that did not conflict with subsurface structures or utilities. A copy of the geophysical survey report is attached as *Appendix B*.

2.2 Asbestos Clearance

D&B marked the proposed boring locations to allow for subsequent asbestos clearance. Langan Engineering, Environmental, Survey & Landscape Architecture, D.P.C. (Langan) performed the asbestos testing and sample collection on June 16, 2014. ACM was not identified on the Site based on the samples collected on June 16, 2014. The Pre-Probe Inspection Letter is presented in *Appendix F*.

2.3 Soil Vapor Survey

A soil vapor survey was conducted as part of the Phase II ESI to evaluate the potential for vapor intrusion at the Site. *Figure 3* shows the locations of the soil vapor survey points advanced at the Site as part of the Phase II ESI.

A total of 13 soil vapor samples and 5 sub-slab soil vapor samples were collected for laboratory analysis.

2.3.1 Sub-Slab Soil Vapor Sampling

The sub-slab soil vapor sampling program was completed on April 15 and 16, 2014 in conformance with the applicable procedures described in ASTM E 2600-10 "Standard Guide for Vapor Encroachment

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Screening on "Property Involved in Real Estate Transactions" and the October 2006 New York State Department of Health (NYSDOH) Soil Vapor Intrusion Guidance Document protocols. Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York was retained as a subcontractor by D&B for drilling services. *Figure 3* presents the sub-slab soil vapor sampling locations.

The sub-slab soil vapor samples were collected using a jack hammer driven direct-drive system (i.e., Geoprobe) and installing dedicated polyethylene tubing within six inches of the base of the floor slab. Soil vapor points were installed by advancing a 0.75-inch diameter hollow probe rod fitted with an expendable 6-inch diameter stainless steel screened drive point to a depth of 5 feet below ground surface (bgs). Dedicated Teflon tubing with threaded fittings was then connected to the probe. The hollow probe rod was then removed and an air tight seal was created at the surface using hydrated bentonite.

The adequacy of each seal was tested using a 5-gallon bucket placed over the borehole and sealed from the ambient air using bentonite. Helium tracer gas was then pumped into the bucket. The above grade end of the tubing, which is the sample collection point, was then attached to a helium gas detector. The adequacy of the seal was verified by direct helium readings of less than 10 percent. Each of the temporary soil vapor probes were then purged using a photoionization detector (PID) to evacuate three volumes of soil vapor. PID readings during purging ranged from 0.18 to 2,000 parts per million (ppm). After purging, each probe was connected by means of Teflon tubing to a laboratory-supplied individually certified-clean 6-liter SUMMA canister equipped with a 0.2 liter per minute (L/min) flow regulator. Sub-slab soil vapor samples were collected in SUMMA canisters for an approximate 30-minute sampling period. Upon completion, each sub-slab soil vapor point was backfilled to near grade surface with the drill cuttings and then the ground surface was restored to its original condition with concrete.

The five sub-slab soil vapor samples were analyzed for VOCs by USEPA Method TO-15 (low level sensitivity) with selective ion monitoring (SIM). Method TO-15 with SIM provides detection limits of 0.25 micrograms per cubic meter for vinyl chloride, trichloroethene (TCE), and carbon tetrachloride, allowing for comparison with the lowest action levels for these compounds in the New York State Department of Health (NYSDOH) "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", dated October 2006. All other compounds have a detection limit of 1 microgram per cubic meter.

The compounds of concern are listed in the following table. These compounds were selected based on the D&B's case-specific review of the information provided in the Phase I ESA and identification of potential VECs.

Table 1
Summary of Compounds of Concern

	Compound	Rationale for Including in Parameter Suite
1	Benzene	Petroleum constituent
2	Carbon Tetrachloride	Historically used at dry cleaners
3	Chlorobenzene	Petroleum constituent
4	Chloroethane	Breakdown product of 1,1,1-TCA
5	Chloromethane	Breakdown product of carbon tetrachloride
6	1,2-Dichlorobenzene	Petroleum constituent
7	1,3-Dichlorobenzene	Petroleum constituent
8	1,1-Dichloroethane	Breakdown product of 1,1,1-TCA

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	Compound	Rationale for Including in Parameter Suite
9	1,2-Dichloroethane	Plastic and rubber constituent. Used as a solvent and fumigant
10	1,1-Dichloroethene	Breakdown product of PCE and TCE
11	cis-1,2-Dichloroethene	Breakdown product of PCE and TCE
12	trans-1,2-Dichloroethene	Breakdown product of PCE and TCE
13	1,2-Dichloropropane	Unleaded gasoline additive
14	Ethyl benzene	Petroleum constituent
15	Methyl tert-Butyl Ether	Gasoline additive
16	Methylene Chloride	Breakdown product of carbon tetrachloride, paint stripper and cleaning component
17	Naphthalene	Petroleum constituent
18	Tetrachloroethene (PCE)	Dry cleaning solvent
19	Toluene	Petroleum constituent
20	1,1,1-Trichloroethane	Common degreasing solvent
21	Trichloroethene (TCE)	Dry cleaning solvent
22	1,2,4-Trimethylbenzene	Petroleum constituent
23	1,3,5-Trimethylbenzene	Petroleum constituent
24	Vinyl chloride	Breakdown product of PCE & TCE, used in PVC
25	m,p-Xylenes	Petroleum constituent
26	o-Xylene	Petroleum constituent

Based on the D&B's case-specific review of the Phase I ESA including potential VECs and knowledge of the site, no additional compounds were added to the typical TO-15 suite of parameters listed above.

The canisters were properly labeled and transported via courier to Chemtech Consulting Group, Inc. (Chemtech) of Mountainside, New Jersey utilizing standard chain-of-custody procedures. Chemtech is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory, whose current certification has been verified by D&B. A summary of the analytical results is provided in *Table 12* and a copy of the analytical laboratory results is attached in *Appendix E*.

2.3.2 Soil Vapor Sampling

The soil vapor sampling program was completed on June 23 through 26, 2014 in conformance with the applicable procedures described in ASTM E 2600-10 "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" and the October 2006 NYSDOH Soil Vapor Intrusion Guidance Document protocols. Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York was retained as a subcontractor by D&B for drilling services. *Figure 3* presents the soil vapor sampling locations.

The soil gas samples were collected using a direct-drive system (i.e., Geoprobe). Soil vapor points were installed by advancing a 0.75-inch diameter hollow probe rod fitted with an expendable 6-inch diameter stainless steel screened drive point to a depth of 5 feet below ground surface (bgs) Dedicated Teflon tubing with threaded fittings was then connected to the probe. The hollow probe rod was then removed and an air tight seal was created at the surface using hydrated bentonite.

The adequacy of each seal was tested using a 5-gallon bucket placed over the borehole and sealed from the ambient air using modeling clay. Helium tracer gas was then pumped into the bucket. The above grade end of the tubing, which is the sample collection point, was then attached to a helium gas detector. The adequacy of the seal was verified by direct helium readings of less than 10 percent. Each of the temporary soil vapor probes were then purged using a photoionization detector (PID) to evacuate three volumes of soil vapor. PID readings during purging ranged from 0 to 255 ppm. After purging, each probe was connected by means of Teflon tubing to a laboratory-supplied individually certified-clean, 6-liter SUMMA canister equipped with a 0.2 liter per minute (L/min) flow regulator. Soil vapor samples were collected in SUMMA canisters for an approximately 30-minute sampling period. Upon completion, each soil vapor point was backfilled to near grade surface with the drill cuttings and then the ground surface was restored to its original condition by capping with asphalt cold patch.

The 13 soil vapor samples were analyzed for VOCs by USEPA Method TO-15 (low level sensitivity) with selective ion monitoring (SIM). Method TO-15 with SIM provides detection limits of 0.25 micrograms per cubic meter for vinyl chloride, trichloroethene (TCE), and carbon tetrachloride, allowing for comparison with the lowest action levels for these compounds in the New York State Department of Health (NYSDOH) "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", dated October 2006. All other compounds have a detection limit of 1 microgram per cubic meter. The compounds of concern are listed in *Table 1* above.

The canisters were properly labeled and transported via courier to Chemtech Consulting Group, Inc. (Chemtech) of Mountainside, New Jersey utilizing standard chain-of-custody procedures. Chemtech is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory, whose current certification has been verified by D&B. A summary of the analytical results is provided in *Table 12* and a copy of the analytical laboratory results is attached in *Appendix E*.

2.4 Soil Investigation

A soil sampling program was conducted as part of the Phase II ESI. Soil samples were collected to assess current environmental conditions and to characterize subsurface soil at the Site. *Figure 3* shows the locations of the soil borings advanced at the Site as part of the Phase II ESI.

All soil sampling was conducted in accordance with the procedures set forth in the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010.

The subsurface soil sampling program was performed on June 23 through 27, 2014. Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York was retained as a subcontractor by D&B for drilling services. Direct push drilling methods, utilizing a track mounted direct drive rig and remote unit, were used to retrieve soil samples. Soil samples were collected and screened for evidence of field contamination continuously from the ground surface to the boring completion depth in 4-foot long, 2-inch diameter macro-core samplers lined with acetate sleeves. A description of the soils retained in each Geoprobe sample core was logged by D&B's on-site environmental scientist and the soils were screened in the field for the presence of VOCs with a PID. Upon completion, each boring was backfilled to near grade surface with the drill cuttings and then the ground surface was restored to its original condition by capping with asphalt cold patch. Soil boring logs, including the PID responses for each sample, are provided in *Appendix C*.

A description of each boring location is presented below.

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- The rationale for each of the 18 borings at the Site is as follows: Locations 1, 2 and 12 are used to determine impacts from off-site RECs to the north and northeast which include auto filling and service stations, spills and USTs; Locations 4, 5 and 6 are to determine impacts from the on-site gas station; Locations 1 through 5 and 7 through 19 are to assess historic fill; Locations 7, 9, 10, 11 and 12 are used to determine impacts from on-site fuel tanks; Locations 13, 15, 18 and 19 are to assess conditions from the on-site dry cleaners; and, Locations 3, 8, 10, 11, 14 and 19 are to assess historical on-site activities. Please refer to *Figure 3* for boring locations.

The following criteria were applied in selecting soil samples for laboratory analysis:

- Soil sampling was conducted in accordance with the NYCSCA-approved scope of work dated April 14, 2014.
- Soil samples were collected continuously to groundwater or refusal (expected to be a maximum of approximately 25 feet bgs).
- Soil samples collected from each boring were screened with a PID and inspected for indications of contamination (e.g., staining, odors, etc.). Geologic descriptions of the soil and field screening results were recorded in field logs.
- One (1) sample was collected from about 1 to 5 feet below the basement slab at Locations 3, 8, 10, 11, 14 and 19.
- For the other locations, if no apparent impacted soils were identified, one (1) sample was collected from the zone most likely to be affected by the proposed construction;
- If impacted soils were identified, one (1) sample was collected from the most impacted zone (based on odors, staining, elevated PID/FID readings, or presence of historic fill material), and a second sample was collected from a depth of two (2) feet below the first apparent clean soil encountered; or
- If no apparent clean soils were encountered, at least two (2) soil samples were collected. One of the soil samples was collected from the interval exhibiting the greatest degree of impact and the second sample was collected from soils directly above the water table within the capillary fringe.

The subsurface soil samples submitted to the laboratory were analyzed for Target Compound List (TCL) and CP-51 listed VOCs plus TICs, TCL and CP-51 listed SVOCs plus TICs, PCBs and TAL metals (less Al, Ca, Fe, K, Mg and Na), TCL pesticides/herbicides, cyanide and hexavalent chromium. For samples for pre-design waste characterization, selected samples from Locations 3, 7, 10, 11, 14, 17, 18 and 19 were also analyzed for TPH DRO/GRO and RCRA characteristics. The following table summarizes the soil analytical plan.

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Table 2
Summary of PID Screening and Soil Sample Analytical Plan

Sample ID/Soil Boring Number	Boring Depth (ft bgs)	Sample Interval Selected for Analysis (ft bgs)	PID Reading (ppb)	TCL/CP-51 VOCs	TCL/CP-51 SVOCs	TAL Metals	PCBs	TCL Pesticides/Herbicides	Hexavalent Chromium	Cyanide	TPH DRO/GRO	RCRA Characteristics
GP-1	34'	0-5'	0 to 89	X	X	X	X	X	X	X	--	--
GP-2	5'	0-5'	0	X	X	X	X	X	X	X	--	--
GP-3	9'	6"-18"	0	X	X	X	X	X	X	X	X	X
GP-4	11'	0-5'	0 to 312	X	X	X	X	X	X	X	--	--
GP-5	20'	10'-12' 18'-20'	10 to 500,000	X	X	X	X	X	X	X	--	--
GP-6	20'	7'-9' 12'-14'	0 to 27,000	X	X	X	X	X	X	X	--	--
GP-7	20'	9'-11' 14'-16'	0 to 1,000	X	X	X	X	X	X	X	X	X
GP-8	6'	6"-18"	10 to 50	X	X	X	X	X	X	X	--	--
GP-9	25'	0-5'	0	X	X	X	X	X	X	X	--	--
GP-10	18'	6"-19"	0	X	X	X	X	X	X	X	X	X
GP-11	9'	6"-23"	0	X	X	X	X	X	X	X	X	X
GP-12	13'	0-5'	0	X	X	X	X	X	X	X	--	--
GP-13	20'	0-5' 18'-20'	0 to 300,000	X	X	X	X	X	X	X	--	--

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Sample ID/Soil Boring Number	Boring Depth (ft bgs)	Sample Interval Selected for Analysis (ft bgs)	PID Reading (ppb)	TCL/CP-51 VOCs	TCL/CP-51 SVOCs	TAL Metals	PCBs	TCL Pesticides/Herbicides	Hexavalent Chromium	Cyanide	TPH DRO/GRO	RCRA Characteristics
GP-14	9'	6"-18"	235 to 25,500	X	X	X	X	X	X	X	X	X
GP-15	20'	6"-20"	0 to 10	X	X	X	X	X	X	X	--	--
GP-16	17'	0-5'	0	X	X	X	X	X	X	X	--	--
GP-17	20'	0-5'	0 to 440	X	X	X	X	X	X	X	X	X
GP-18	15'	6"-18"	0	X	X	X	X	X	X	X	X	X
GP-19	9'	10"-24"	139 to 1,310	X	X	X	X	X	X	X	X	X

X: Sample analysis performed

--: Not analyzed

Sampling was conducted in accordance with the NYCSCA-approved Scope of Work dated April 14, 2014. Sampling parameters were based on the identified RECs/VECs which indicated potential petroleum and chlorinated solvent contamination on-site. Samples analyzed for TCL and CP-51 VOCs and SVOCs were also analyzed for TICs.

The samples were collected and containerized in accordance with NYSDEC/United States Environmental Protection Agency (USEPA) protocols. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to Chemtech Consulting Group, Inc. (Chemtech) of Mountainside, New Jersey. Chemtech is a NYSDOH ELAP-certified analytical laboratory, whose current certification has been verified by D&B. Standard chain-of-custody procedures were followed. A summary of the analytical results is provided in *Tables 13 through 16* and a copy of the analytical laboratory results is attached in *Appendix E*.

2.5 Groundwater Investigation

A groundwater sampling program was conducted as part of the Phase II ESI. Groundwater samples were collected to assess the current environmental conditions of groundwater within the proposed Site. *Figure 3* shows the locations of the groundwater samples collected at the Site as part of the Phase II ESI.

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The groundwater sampling program was completed on June 23 through 30, 2014. Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York was retained as a subcontractor by D&B for drilling services.

All groundwater sampling was conducted in accordance with the procedures set forth in the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010.

Groundwater sampling was conducted in accordance with the NYCSCA approved scope of work dated April 14, 2014. Groundwater samples were collected by installing temporary 1-inch PVC monitoring wells below the encountered water table. Groundwater was encountered at approximately 9 to 22 feet bgs and as shallow as 4 feet bgs in the building basements. At three locations (i.e., Locations 2, 4 and 12 - refer to Figure 3), groundwater was not encountered. Groundwater samples were collected from Locations 1, 5, 7, 9, 11, 13, and 15 through 18 (refer to Figure 3). The groundwater sample locations were selected to obtain groundwater quality information throughout the Site (including near the upgradient Site perimeter). Groundwater was collected from these temporary wells using a stainless steel check valve attached to Teflon tubing inserted into the well screen. Before sampling, groundwater was purged for turbidity to reach a minimum and the other parameters to stabilize. Conductivity, dissolved oxygen, pH, temperature and turbidity were monitored using a Horiba™ water quality meter during purging. During purging, D&B actively monitored and tracked the volume of water purged and the field parameter readings. Data was recorded in the field logbook.

Groundwater samples were also collected from four existing on-site monitoring wells (i.e., MW-E through MW-H - refer to Figure 3) using a low-flow bladder pump and dedicated Teflon lined tubing inserted into the installed well screen. Before sampling, each of the four wells was purged dry. Conductivity, dissolved oxygen, pH, temperature and turbidity were monitored using a Horiba™ water quality meter during purging. During purging, D&B actively monitored and tracked the volume of water purged and the field parameter readings. Data was recorded in the field logbook. After purging, the wells were allowed to recover seventy-five percent of the static water level before collecting samples.

A summary of groundwater field screening results and the groundwater sample analytical plan is presented in the table below.

Table 3
Groundwater Sample Analytical Plan

Sample ID/ Well Number	Depth to Water (ft bgs)	Screened Interval (MWs) or Sample Interval (TWPs)	Field Observations (PID readings, sheen, odor, etc.)	TCL/CP-51 VOCs	TCL/CP-51 SVOCs	PCBs	TAL Metals	NYCDEP Sewer Discharge
GW-1	22'	6" well screen installed at 34' bgs	No sheen or odor	X	X	X	X	--
GW-2	NA	Refusal at 5' bgs	Groundwater not encountered	--	--	--	--	--
GW-4	NA	Refusal at 11' bgs	Groundwater not encountered	--	--	--	--	--
GW-5	12'	6" well screen installed at 19' bgs	No sheen, slight odor	X	X	X	X	--

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1597-1627 UNIONPORT ROAD, 1889-1905 GUERLAIN STREET,
1572-1592 WHITE PLAINS ROAD AND 1880-1894 EAST TREMONT AVENUE
BRONX, NEW YORK 10462

Sample ID/ Well Number	Depth to Water (ft bgs)	Screened Interval (MWs) or Sample Interval (TWPs)	Field Observations (PID readings, sheen, odor, etc.)	TCL/CP-51 VOCs	TCL/CP-51 SVOCs	PCBs	TAL Metals	NYCDEP Sewer Discharge
GW-7	9'	6" well screen installed at 17' bgs	No sheen or odor	X	X	X	X	--
GW-9	20'	6" well screen installed at 25' bgs	No sheen or odor	X	X	X	X	--
GW-11	4' *	6" well screen installed at 8' bgs	No sheen or odor	X	X	X	X	--
GW-12	NA	Refusal at 13' bgs	Groundwater not encountered	--	--	--	--	--
GW-13	18'	6" well screen installed at 20' bgs	Trace sheen, slight petroleum odor	X	X	X	X	--
GW-15	12'	6" well screen installed at 19' bgs	No sheen or odor	X	X	X	X	--
GW-16	11'	6" well screen installed at 16' bgs	No sheen or odor	X	X	X	X	--
GW-17	11'	6" well screen installed at 17' bgs	No sheen or odor	X	X	X	X	X
GW-18	12'	6" well screen installed at 18' bgs	No sheen or odor	X	X	X	X	--
MW-E	16.11'	Low flow pump installed at 22.7' bgs in screen	No sheen or odor	X	X	X	X	--
MW-F	12.6'	Low flow pump installed at 23.2' bgs in screen	No sheen, trace petroleum odor	X	X	X	X	--

X: Sample analysis performed

--: Not analyzed

*: Depth below the basement floor

The 14 groundwater samples were analyzed for TCL and CP-51 listed VOCs plus TICs, TCL and CP-51 listed SVOCs plus TICs, PCBs, and TAL metals (less Al, Ca, Fe, K, Mg and Na) (both unfiltered and laboratory filtered). In addition, in support of potential dewatering for school construction, the groundwater sample GW-17 was additionally analyzed for the New York City Department of Environmental Protection (NYCDEP) Sewer Discharge Parameters since the encountered groundwater is less than 30 feet bgs or within 10 feet of proposed excavation. Since dedicated sampling equipment was used, an equipment blank is not required; however, a laboratory supplied trip blank was analyzed for TCL VOCs. The samples were collected and containerized in accordance with NYSDEC/USEPA protocols. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to Chemtech Consulting Group, Inc. (Chemtech) of Mountainside, New Jersey. Chemtech is a NYSDOH ELAP-certified analytical laboratory, whose current certification has been verified by D&B. Standard chain-of-custody procedures were followed. A summary of the analytical results is provided in *Tables 17 through 20* and a copy of the laboratory analytical results is attached in *Appendix E*.

Permanent groundwater monitoring wells were not installed as part of this Phase II ESI.

2.6 Preliminary Waste Characterization

The objective of this investigation is to provide a preliminary evaluation of the material characteristics for disposal purposes. This investigation is **not** a substitute for waste characterization sampling required by a specific disposal facility. Completing a site-specific waste characterization for excavated/removed material is the responsibility of the construction contractor.

2.6.1 Pre-Design Waste Characterization

Seven subsurface soil samples collected from the boring locations were utilized for preliminary waste characterization purposes as discussed in Section 2.4 and were analyzed for TPH DRO/GRO and RCRA characteristics. Samples for TCLP analysis were collected and placed on-hold at the laboratory pending the results of the totals analyses. Based on totals concentrations of lead and chromium exceeding the 20 Times Rule, 10 samples were subsequently analyzed TCLP lead and 1 sample was analyzed for TCLP chromium.

2.6.2 Investigation Derived Waste Sampling

Investigation derived waste (IDW) was not generated during the Phase II ESI. All surplus bored material (i.e., that not needed for sample collection) was utilized to backfill each borehole. In addition, all purged groundwater was introduced back into each borehole prior to backfilling.

3.0 SITE DESCRIPTION AND PHYSICAL CHARACTERISTICS

The Site consists of an approximate 70,600-square-foot (1.62 acre) lot improved with an assemblage of five interconnected one and two-story commercial buildings with basements, as well as a gasoline station with a convenience store. Lot 1 includes a one-story building with an approximate 7,000-square-foot footprint constructed in 1949; Lot 7 includes a two-story building with an approximate 6,650-square-foot footprint constructed in 1949; Lot 8 includes an active gasoline station and a one-story building with an approximate 1,350-square-foot footprint constructed in 1953; Lot 17 includes a two-story building with an approximate 17,000-square-foot footprint constructed in 1942; and Lot 23 includes two one-story buildings with a combined approximate 22,000-square-foot footprint constructed in 1941.

The Site is generally used for commercial purposes including a gas station/convenience store, insurance brokers, hair salons, barber shop, laundromat, beauty products store, music store, furniture store, discount store, T-shirt printing/sales office, shoe repair, law office, insurance broker, bakery, food market, bar and restaurants. Historically, the Site was used for various commercial uses including stores and offices with a gas station located on the northwest corner of the Site. The historical uses of the commercial buildings included dry cleaners, dental offices, offices, stores, a movie theater and a bowling alley. Adjoining properties include commercial and residential properties. *Figure 1* presents a Site Location Map. A Site Plan showing Site features, tax block and lot numbers and anticipated groundwater flow direction is provided as *Figure 2*.

3.1 Topography

According to the United States Geological Survey (USGS.) 7.5-Minute Quadrangle Map, Flushing, New York, dated 1995, the elevation of the Site is approximately 58 feet above mean sea level (amsl) and the topographic gradient of the area generally slopes down to the south-southeast. The topography of the immediate Site area was observed to slope down slightly to moderately to the south, with an elevation of approximately 60 feet above mean sea level at the northern end of the block along East Tremont Avenue, dropping to approximately 50 feet above mean sea level at the southern end of the block at the intersection of Guerlain Street and White Plains Road.

3.2 Geology

Information on local geology is available from entries in the NYSDEC Environmental Site Remediation Database for remediation sites located approximately 0.5 mile from the Site, including Purdy Street Station (V00557) and Lebanon West Farms (C203060). Based on bedrock information listed for these facilities, the Site elevation and the fact that basements are present at the Site, it is estimated that bedrock is located at a depth of 30 to 40 feet below grade at the Site. Note that actual bedrock depth can vary greatly in this area and can only be determined through the completion of borings. The Geologic Map of New York, Lower Hudson Sheet, dated 1970 indicates that the bedrock type in the vicinity of the Site is most likely schist and amphibolite of the Manhattan or Hartland formations.

According to the Surficial Geologic Map of New York, Lower Hudson Sheet, dated 1989, the unconsolidated deposits above the bedrock at the Site likely consist of glacial till, which is an unsorted mix of gravel, sand, silt and clay, beneath any urban fill that may be present. Geologic data from observations recorded at the remediation sites discussed above are consistent with the presence of urban fill and glacial till overlying bedrock.

3.3 Hydrogeology

Based on groundwater information from the remediation sites in the surrounding area, the Site elevation and local topography, it is estimated that groundwater is present above the bedrock at approximately 20 to 25 feet below grade in the vicinity of the Site flowing in an overall south-southwesterly direction toward the Bronx River and East River. However, estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations. There is no data available regarding groundwater flow within bedrock. There are no surface water bodies located on or adjoining the Site. The nearest surface water body is the Bronx River located approximately 0.75 miles to the west of the Site. In addition, Westchester Creek is located approximately 1.25 miles to the east of the Site and the East River is located approximately 2.25 miles to the south. Based on observation made during the Phase II ESI, groundwater was encountered at approximately 9 to 22 feet below grade.

4.0 DISCUSSION OF FINDINGS

This section presents a discussion of the findings of the Phase II ESI. A summary of the laboratory results is presented in *Tables 12 to 20*. The sample collection logs and the complete laboratory analytical data packages are included in *Appendices D and E*, respectively.

4.1 Applicable Regulatory Standards

This subsection identifies the USEPA, NYSDEC, NYSDOH and/or NYCDEP regulatory standards and guidelines used to evaluate the results of the soil vapor, subsurface soil, and groundwater sampling. The standards and guidelines used to evaluate the specific data are described individually below.

4.1.1 Soil Vapor Guidelines

Analytical results for soil vapor samples were compared to the NYSDOH Air Guideline Values (AGVs) and to background levels of VOCs in indoor air presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (“NYSDOH Vapor Intrusion Guidance Document”), including Upper Fence Limit Indoor Air Values from “Table C-1, NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes,” 90th Percentile Indoor Air Values from “Table C-2, EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA Canister Method”, and the 95th Percentile Outdoor Air Values from “Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air” published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C (October 2006). Tetrachloroethene (PCE) levels were compared to the air guideline value presented in the NYSDOH Fact Sheet on Tetrachloroethene in Indoor and Outdoor Air, dated September 2013 (see <https://www.health.ny.gov/environmental/chemicals/tetrachloroethene/docs/perc.pdf>). The results of the analyses of the soil vapor samples were also compared to Matrices 1 and 2 in the NYSDOH Vapor Intrusion Guidance Document. (*Please note that the matrices rely in part on indoor air data and indoor air samples were not collected as part of the Phase II ESI.*)

4.1.2 Soil Cleanup Objectives (SCOs), Supplemental Soil Cleanup Objectives (SSCOs) and Soil Cleanup Levels (SCLs)

The Unrestricted Use SCOs found in 6 NYCRR 375-6, Remedial Program Soil Cleanup Objectives are the appropriate standards for use in evaluating the results of the analyses of the Phase II ESI soil samples. Soil which is free of contaminants above these standards is suitable for “unrestricted use” which is the land use category without imposed restrictions, such as environmental easements or other land use controls.

Additionally, the Supplemental Soil Cleanup Objectives (SSCOs) outlined in Table 1 of the Commissioner Policy 51 (CP-51), “Soil Cleanup Guidance”, dated October 21, 2010 were used to evaluate soils data. CP-51 replaces the Technical and Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels (January 24, 1994); the Petroleum Site Inactivation and Closure Memorandum (February 23, 1998); and Sections III and IV of Spill Technology and Remediation Series (STARS) #1 (August 1992). The specific compounds listed in Table 1 of CP-51 had been included in former TAGM 4046 but were not included in 6 NYCRR 375-6.

Lastly, Soil Cleanup Levels (SCLs) for Gasoline and Fuel Oil Contaminated Soils, outlined in Tables 2 and 3 of CP-51, have been established. Soil analytical results were compared to the SCLs if a potential petroleum spill is being evaluated as part of the Phase II ESI.

4.1.3 Groundwater Quality Standards and Guidance Values

Analytical results for groundwater were compared to New York State Class GA groundwater standards and guidance values, in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values." Ambient water quality standards are enforceable regulatory limits. Where ambient water quality standards do not exist, ambient water quality guidance values were used to evaluate the groundwater results.

Groundwater data were also compared to the daily limits set forth in the NYCDEP Bureau of Wastewater Treatment "Limitations for Effluent to Sanitary or Combined Sewers."

4.1.4 Preliminary Waste Characterization

Analytical results for the preliminary waste characterization sampling were compared to the NYSDEC 6 NYCRR Part 373 regulations for characteristic hazardous waste. In addition, the analytical results were compared to typical analytical requirements for selected disposal facilities.

4.2 Geophysical Survey Findings

The geophysical survey identified numerous linear subsurface anomalies consistent with underground pipes and utilities. The boring locations were located in areas which did not conflict with these anomalies. In addition, the geophysical survey identified numerous utility lines and subsurface pipes throughout the Site. Two anomalies were confirmed to be consistent with the USTs located at the northwest corner of the project area. In addition, an aboveground storage tank (AST) was located along the eastern central portion of the project area. Also, the geophysical survey confirmed that the on-site storm water drains are connected to the public sewer system. The geophysical survey report is presented as *Appendix B*.

4.3 Soil Vapor Survey Findings

4.3.1 Soil Vapor Sampling Findings

A review of the soil vapor sample analytical results indicates that 20 of the 26 VOCs analyzed utilizing USEPA Method TO-15 for the parameters listed in Table 1 were detected in one or more samples. A summary of the analytical results for VOCs in soil vapor is summarized in *Table 12*. The complete analytical data report is presented in *Appendix E*. A summary of the detected compounds at a concentration greater than anticipated background levels and/or the AGV is provided below:

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Table 4
Summary of Detected VOCs Concentrations Greater than
AGV and/or Background Concentrations in Soil Vapor

Sample ID	SV-1	SV-2	SV-3	SV-4	SV-5	NYSDOH Air Guideline Value	NYSDOH Table C-1 Upper Fence Limit(indoor)	NYSDOH Table C-2 90th Percentile Value(indoor)	NYSDOH Table C-5 95th Percentile Value(indoor)
Sampling Date	06/24/14	06/24/14	06/24/14	06/23/14	06/23/14	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Units	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³				
1,2,4-Trimethylbenzene	2.36 J	5.41	64.9	89.0 D	107	--	9.8	9.5	--
1,3,5-Trimethylbenzene	0.640 J	2.21 J	33.9	24.1	27	--	3.9	3.7	--
Benzene	1.73	7.99	40.6	10.9	1054 D	--	13	9.4	10
Chloroethane	<0.260	<0.260	<0.260	<0.260	<2.64	--	0.4	<1.1	--
Chloromethane	1.14	1.16	0.700 J	<0.210	<2.07	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<0.400	<0.400	<3.96	--	0.4	<1.9	--
Ethylbenzene	1.87 J	3.65	137 D	38.2	127	--	6.4	5.7	7.62
m,p-Xylenes	5.65	11.7	380 D	143 D	68.6	--	11	22.2	22.2
Methylene Chloride	5.91	3.2	<0.350	1.29 J	<3.47	60	16	10	7.5
Naphthalene	<0.520	<0.520	1.63 J	66.6 D	15.2 J	--	--	5.1	--
o-Xylene	2.13 J	4.34	133 D	61.2	9.99 J	--	7.1	7.9	7.24
Tetrachloroethylene	0.75	45.4	745 D	54.2	456	30	2.5	15.9	6.01
Toluene	15.8	11.3	274 D	118 D	26.4	--	57	43	39.8
Trichloroethylene (TCE)	<0.160	0.48	0.27	0.7	<1.61	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	<0.0800	0.18	<0.0800	<0.770	--	0.4	<1.9	--
Sample ID	SV-6	SV-7	SV-8	SV-9	SV-10	NYSDOH Air Guideline Value	NYSDOH Table C-1 Upper Fence Limit(indoor)	NYSDOH Table C-2 90th Percentile Value(indoor)	NYSDOH Table C-5 95th Percentile Value(indoor)
Sampling Date	06/25/14	06/25/14	06/24/14	06/25/14	06/23/14	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Units	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³				
1,2,4-Trimethylbenzene	73.2	40.8	147	50.1	12.8	--	9.8	9.5	--
1,3,5-Trimethylbenzene	19.2	9.34	70.3	12.3	3.15	--	3.9	3.7	--
Benzene	22.4	4.47	46	36.1	4.15	--	13	9.4	10
Chloroethane	<0.260	<0.260	<2.64	5.54	<0.260	--	0.4	<1.1	--
Chloromethane	0.950 J	1.05	<2.07	21.9	<0.210	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<3.96	<0.400	<0.400	--	0.4	<1.9	--
Ethylbenzene	108 D	23	133	20	6.08	--	6.4	5.7	7.62
m,p-Xylenes	204 D	53.9	477	55.6	23	--	11	22.2	22.2
Methylene Chloride	1.46 J	9.38	167	3.47	2.26	60	16	10	7.5
Naphthalene	9.96	32	<5.24	9.44	3.46	--	--	5.1	--
o-Xylene	70.4 D	19.6	117	23	10.9	--	7.1	7.9	7.24
Tetrachloroethylene	228 D	21	31193 D	47.5	7.46	30	2.5	15.9	6.01
Toluene	23.4	27.1	166	37.3	26	--	57	43	39.8
Trichloroethylene (TCE)	<0.160	0.21	128	<0.160	0.16	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	<0.0800	<0.770	6.9	<0.0800	--	0.4	<1.9	--

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Sample ID	SV-11	SV-12	SV-13	SV-14	SV-15	NYSDOH Air Guideline Value	NYSDOH Table C-1 Upper Fence Limit(indoor)	NYSDOH Table C-2 90th Percentile Value(indoor)	NYSDOH Table C-5 95th Percentile Value(indoor)
Sampling Date Units	06/23/14 µg/m ³	06/25/14 µg/m ³	06/23/14 µg/m ³	06/25/14 µg/m ³	06/26/14 µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1,2,4-Trimethylbenzene	23.6	0.790 J	1.87 J	264 D	14.8 J	--	9.8	9.5	--
1,3,5-Trimethylbenzene	6.39	<0.490	<0.490	69.8	5.41 J	--	3.9	3.7	--
Benzene	20.4	0.580 J	<0.320	2.91	7.03 J	--	13	9.4	10
Chloroethane	<0.260	<0.260	<0.260	<0.260	<2.64	--	0.4	<1.1	--
Chloromethane	1.67	1.78	<0.210	1.53	4.96 J	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<0.400	8.72	<3.96	--	0.4	<1.9	--
Ethylbenzene	16.1	0.480 J	<0.430	16.1	6.52 J	--	6.4	5.7	7.62
m,p-Xylenes	52.1	1.56 J	<0.870	59.5	21.3 J	--	11	22.2	22.2
Methylene Chloride	11.1	1.01 J	20.5	937 D	5.21 J	60	16	10	7.5
Naphthalene	5.24	<0.520	5.77	8.91	5.24 J	--	--	5.1	--
o-Xylene	22.2	0.650 J	0.610 J	30.4	8.25 J	--	7.1	7.9	7.24
Tetrachloroethylene	4.48	0.34	65.8	143 D	15596 D	30	2.5	15.9	6.01
Toluene	91.2 D	22.2	5.65	22.6	21.9	--	57	43	39.8
Trichloroethylene (TCE)	<0.160	<0.160	0.43	2.79	178	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	<0.0800	<0.0800	0.38	<0.770	--	0.4	<1.9	--
Sample ID	SV-16	SV-17	SV-18			NYSDOH Air Guideline Value	NYSDOH Table C-1 Upper Fence Limit(indoor)	NYSDOH Table C-2 90th Percentile Value(indoor)	NYSDOH Table C-5 95th Percentile Value(indoor)
Sampling Date Units	06/25/14 µg/m ³	06/25/14 µg/m ³	06/25/14 µg/m ³			µg/m ³	µg/m ³	µg/m ³	µg/m ³
1,2,4-Trimethylbenzene	15.2	259 D	65.4 D			--	9.8	9.5	--
1,3,5-Trimethylbenzene	4.13	86.0 D	23.6			--	3.9	3.7	--
Benzene	1.98	3.51	9.58			--	13	9.4	10
Chloroethane	<0.260	0.690 J	<0.260			--	0.4	<1.1	--
Chloromethane	1.84	0.870 J	1.01 J			--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<0.400			--	0.4	<1.9	--
Ethylbenzene	3.26	15.2	46			--	6.4	5.7	7.62
m,p-Xylenes	11.7	61.7	117 D			--	11	22.2	22.2
Methylene Chloride	6.95	14.6	41.3			60	16	10	7.5
Naphthalene	1.99 J	29.9	16.8			--	--	5.1	--
o-Xylene	5.65	40.8	63.8			--	7.1	7.9	7.24
Tetrachloroethylene	3.32	27.8	46.8			30	2.5	15.9	6.01
Toluene	12.1	26.8	99.9 D			--	57	43	39.8
Trichloroethylene (TCE)	<0.160	0.21	0.86			5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	0.18	<0.0800			--	0.4	<1.9	--

Qualifiers

:
: Analyzed but not detected
J: Estimated value

D: Detected at secondary dilution

Notes:
ug/m³: Micrograms per cubic meter
Exceeds the range of all background databases
Exceeds the NYSDOH Air Guideline Value

The following compounds were detected at a concentration greater than the anticipated range of background concentrations or AGVs: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, chloroethane, chloromethane, cis-1,2-dichloroethylene, ethylbenzene, m,p-xylenes, methylene chloride, naphthalene, o-xylene, tetrachloroethylene (PCE), toluene, trichloroethylene (TCE) and vinyl chloride. Of the 18 soil vapor samples, only two samples (SV-1 and SV-12) did not exhibit one or more of these compounds at concentrations greater than the anticipated range of background concentrations. SV-1 is located upgradient of the Site along East Tremont Avenue. The highest concentrations were detected in soil vapor samples SV-3, SV-5, SV-8, SV-14 and SV-15. Samples SV-8 and SV-15, which exhibited the maximum PCE concentrations of 31,193 µg/m³ and 15,596 µg/m³, respectively, are located in the vicinity of the former on-site dry cleaners. Sample SV-5, which exhibited the maximum benzene concentration of 1,054 µg/m³, is located in the alleyway immediately downgradient of the on-site gas station.

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The NYSDOH has established Air Guideline Values (AGVs) for three (3) of the VOCs analyzed (methylene chloride, PCE, and TCE). PCE was detected at a concentration greater than the AGV of $30 \mu\text{g}/\text{m}^3$ in 11 of the 18 soil vapor samples, with a maximum concentration of $31,193 \mu\text{g}/\text{m}^3$ detected in SV-8 collected beneath the slab of the building on Lot 1 in the vicinity of a former on-site dry cleaner. TCE was detected at a concentration greater than the AGV of $5 \mu\text{g}/\text{m}^3$ in two soil vapor samples, including SV-8 at $128 \mu\text{g}/\text{m}^3$ and SV-15 at $178 \mu\text{g}/\text{m}^3$, both near former on-site dry cleaners. As discussed above, both of these samples were collected in the vicinity of former on-site dry cleaners. Methylene chloride was detected at a concentration greater than the AGV of $60 \mu\text{g}/\text{m}^3$ in two soil vapor samples, specifically SV-8 at $167 \mu\text{g}/\text{m}^3$ and SV-14 at $937 \mu\text{g}/\text{m}^3$. Sample SV-14 was collected beneath the slab of the building on Lot 23 (methylene chloride in this sample could be attributable to degreasers used on the pin-setting equipment).

The soil vapor sampling results for TCE and vinyl chloride were compared to Matrix 1 of the NYSDOH Vapor Intrusion Guidance Document. The concentrations of TCE reported by the laboratory range from non-detect to $178 \mu\text{g}/\text{m}^3$. The concentrations of vinyl chloride reported by the laboratory range from non-detect to $6.9 \mu\text{g}/\text{m}^3$. Based on Matrix 1, for sub-slab vapor with a TCE concentration between non-detect and $178 \mu\text{g}/\text{m}^3$, the required action may range from no further action to mitigation, depending on corresponding indoor air concentrations. Based on Matrix 1, for sub-slab vapor with a vinyl chloride concentration between non-detect and $6.9 \mu\text{g}/\text{m}^3$, the required action may range from no further action to take reasonable and practical actions to identify source(s) and reduce exposures, depending on corresponding indoor air concentrations.

The soil vapor sampling results for 1,1--DCE, cis-1,2-DCE, PCE and 1,1,1-TCA were compared to Matrix 2 of the NYSDOH Vapor Intrusion Guidance Document. 1,1-DCE was not detected in any of the soil vapor samples. cis-1,2-DCE was detected in one sample at a concentration of $8.72 \mu\text{g}/\text{m}^3$. The concentrations of PCE reported by the laboratory range from 0.34 to $31,193 \mu\text{g}/\text{m}^3$. The concentrations of 1,1,1-TCA reported by the laboratory range from non-detect to $0.98 \mu\text{g}/\text{m}^3$. Based on Matrix 2, for sub-slab vapor with a cis-1,2-DCE or 1,1,1-TCA concentration between non-detect and $8.72 \mu\text{g}/\text{m}^3$, the required action may range from no further action to take reasonable and practical actions to identify source(s) and reduce exposures, depending on corresponding indoor air concentrations. Based on Matrix 2, for sub-slab vapor with a PCE concentration between 0.34 and $31,193 \mu\text{g}/\text{m}^3$, the required action may range from no further action to mitigation, depending on corresponding indoor air concentrations. Since the PCE concentrations at SV-8 and SV-15 are greater than $1,000 \mu\text{g}/\text{m}^3$ ($31,193 \mu\text{g}/\text{m}^3$ and $15,596 \mu\text{g}/\text{m}^3$, respectively), the required action at these location is mitigation.

At Locations 5, 8 and 17, compounds detected in soil vapor above comparison levels were also detected exceeding their respective regulatory standards in soil or groundwater samples collected from these locations. These compounds include 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, xylenes and naphthalene at Location 5, and PCE at Locations 8 and 17. Location 5 also exhibited the greatest evidence of contamination from field screening, with a strong petroleum odor and PID readings up to 500 ppm. Petroleum odors and PID readings over 1 ppm were also detected at Locations 6, 7 and 14, which exhibited soil vapor concentrations above comparison levels. Therefore, the detected soil vapor concentrations are likely due to historical or current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., the adjoining upgradient gasoline station).

It should be noted that many of the soil vapor concentrations exceeded the calibration range in the initial analysis and were reanalyzed at a secondary dilution. These concentrations were reported from the

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secondary dilutions and were qualified with a “D”. Original analytical data is reported where dilution was not required.

4.4 Soil Sampling Findings

4.4.1 Volatile Organic Compounds (VOCs) in Soil

A review of the soil sampling analytical results indicates that 22 of the 60 VOCs analyzed for were detected in one or more samples. Note that some of the soil concentrations exceeded the calibration range in the initial analysis and were reanalyzed at a secondary dilution. These concentrations were reported from the secondary dilutions and were qualified with a “D”. Original analytical data is reported where dilution was not required. Tentatively identified compounds (TICs) were identified in 9 samples, at concentrations ranging from 0.006 to 2,383.7 mg/kg. A summary of the compounds and concentrations which exceed Unrestricted Use SCOs, SCLs and/or Supplemental SCOs is provided below:

Table 5
Detected VOC Concentrations above Unrestricted Use SCOs and Supplemental SCOs in Soil

Sample ID Sampling Date Start Depth End Depth Units	GP-1(0-5) 6/24/2014 0 feet 5 feet mg/kg	GP-2(0-5) 6/24/2014 0 feet 5 feet mg/kg	GP-3(6-18) 6/24/2014 6 inches 18 inches mg/kg	GP-4(0-5) 6/23/2014 0 feet 5 feet mg/kg	GP-5(10-12) 6/23/2014 10 feet 12 feet mg/kg	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
1,2,4-Trimethylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	28.1D	3.6	3.6	--
1,3,5-Trimethylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	9.2D	8.4	8.4	--
Acetone	0.0273	0.0434	<0.0012	0.0486	<1.2	0.05	--	--
Benzene	<0.00053	<0.00054	<0.00024	<0.00044	7	0.06	0.06	--
Ethylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	7.7D	1	1	--
Isopropylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	14.3	--	2.3	100
m,p-Xylene	<0.0011	<0.0011	<0.00049	<0.00089	30.6D	0.26	0.26	--
o-Xylene	<0.00053	<0.00054	<0.00024	<0.00044	5.9 D	0.26	--	--
Tetrachloroethene	0.0049J	<0.00054	0.0109	<0.00044	<0.25	1.3	--	--
Toluene	<0.00053	<0.00054	<0.00024	<0.00044	3.4	0.7	0.7	--
Naphthalene	<0.00053	<0.00054	<0.00024	0.0022J	32.3	12	--	--
n-Butylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	12.6	12	12	--
n-Propylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	41.1	3.9	3.9	--

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Sample ID	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	GP-7(9-11)	GP-7(14-16)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/23/2014	6/25/2014	6/25/2014	6/25/2014	6/25/2014			
Start Depth	18 feet	7 feet	12 feet	9 feet	14 feet			
End Depth	20 feet	9 feet	14 feet	11 feet	16 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
1,2,4-Trimethylbenzene	0.0069	<0.00052	<0.00059	<0.00044	<0.00041	3.6	3.6	--
1,3,5-Trimethylbenzene	0.0018 J	<0.00052	<0.00059	<0.00044	<0.00041	8.4	8.4	--
Acetone	0.0241 J	0.0576	<0.003	0.0062 J	0.0066 J	0.05	--	--
Benzene	0.0164	<0.00052	<0.00059	<0.00044	<0.00041	0.06	0.06	--
Ethylbenzene	0.0019 J	<0.00052	<0.00059	<0.00044	<0.00041	1	1	--
Isopropylbenzene	<0.00049	<0.00052	<0.00059	<0.00044	<0.00041	--	2.3	100
m,p-Xylene	0.0072 J	<0.001	<0.0012	<0.00088	<0.00082	0.26	0.26	--
o-Xylene	0.0018J	<0.00052	<0.00059	<0.00044	<0.00041	0.26	--	--
Tetrachloroethene	<0.00049	<0.00052	<0.00059	<0.00044	<0.00041	1.3	--	--
Toluene	<0.00049	<0.00052	<0.00059	<0.00044	<0.00041	0.7	0.7	--
Naphthalene	0.0014J	<0.00052	<0.00059	<0.00044	<0.00041	12	--	--
n-Butylbenzene	<0.00049	<0.00052	<0.00059	<0.00044	<0.00041	12	12	--
n-Propylbenzene	<0.00049	<0.00052	<0.00059	<0.00044	<0.00041	3.9	3.9	--
Sample ID	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/24/2014	6/25/2014	6/23/2014	6/23/2014	6/24/2014			
Start Depth	6 inches	0 feet	6 inches	6 inches	0 feet			
End Depth	18 inches	5 feet	19 inches	23 inches	5 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
1,2,4-Trimethylbenzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	3.6	3.6	--
1,3,5-Trimethylbenzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	8.4	8.4	--
Acetone	<0.0013	0.0087 J	<0.0012	<0.0013	0.007 J	0.05	--	--
Benzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.06	0.06	--
Ethylbenzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	1	1	--
Isopropylbenzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	2.3	100
m,p-Xylene	<0.00052	<0.00094	<0.00049	<0.00053	<0.0011	0.26	0.26	--
o-Xylene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.26	--	--
Tetrachloroethene	3.3 D	0.0011 J	<0.00024	0.00097J	<0.00056	1.3	--	--
Toluene	0.00063J	<0.00047	<0.00024	<0.00026	<0.00056	0.7	0.7	--
Naphthalene	<0.00026	0.001 J	<0.00024	<0.00026	<0.00056	12	--	--
n-Butylbenzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	12	12	--
n-Propylbenzene	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	3.9	3.9	--
Sample ID	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014			
Start Depth	0 feet	18 feet	6 inches	6 inches	0 feet			
End Depth	5 feet	23 feet	18 inches	20 inches	5 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
1,2,4-Trimethylbenzene	<0.00049	33.6 D	<0.00017	<0.00022	<0.00047	3.6	3.6	--
1,3,5-Trimethylbenzene	<0.00049	11.0 D	<0.00017	<0.00022	<0.00047	8.4	8.4	--
Acetone	0.0103 J	<0.0515	0.0226	<0.0011	0.0068 J	0.05	--	--
Benzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	0.06	0.06	--
Ethylbenzene	<0.00049	13.5 D	<0.00017	<0.00022	<0.00047	1	1	--
Isopropylbenzene	<0.00049	1.5	<0.00017	<0.00022	<0.00047	--	2.3	100
m,p-Xylene	<0.00097	43.8 D	<0.00033	<0.00045	<0.00094	0.26	0.26	--
o-Xylene	<0.00049	12.7 D	<0.00017	<0.00022	<0.00047	0.26	--	--
Tetrachloroethene	0.0021J	<0.0103	0.0013J	0.022	<0.00047	1.3	--	--
Toluene	<0.00049	0.16	<0.00017	<0.00022	<0.00047	0.7	0.7	--
Naphthalene	<0.00049	5.70 D	<0.00017	<0.00022	<0.00047	12	--	--
n-Butylbenzene	<0.00049	2.30 D	<0.00017	<0.00022	<0.00047	12	12	--
n-Propylbenzene	<0.00049	6.80 D	<0.00017	<0.00022	<0.00047	3.9	3.9	--

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Sample ID	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)			6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/26/2014	6/26/2014	6/25/2014					
Start Depth	0 feet	6 inches	10 inches					
End Depth	5 feet	18 inches	24 inches					
Units	mg/kg	mg/kg	mg/kg					
1,2,4-Trimethylbenzene	<0.00052	<0.00016	<0.00018			3.6	3.6	--
1,3,5-Trimethylbenzene	<0.00052	<0.00016	<0.00018			8.4	8.4	--
Acetone	0.0109 J	<0.0008	<0.00092			0.05	--	--
Benzene	<0.00052	<0.00016	<0.00018			0.06	0.06	--
Ethylbenzene	0.0011 J	<0.00016	<0.00018			1	1	--
Isopropylbenzene	<0.00052	<0.00016	<0.00018			--	2.3	100
m,p-Xylene	0.0019 J	<0.00032	<0.00037			0.26	0.26	--
o-Xylene	<0.00052	<0.00016	<0.00018			0.26	--	--
Tetrachloroethene	0.0041 J	<0.00016	0.13 D			1.3	--	--
Toluene	<0.00052	<0.00016	<0.00018			0.7	0.7	--
Naphthalene	<0.00052	<0.00016	<0.00018			12	--	--
n-Butylbenzene	<0.00052	<0.00016	<0.00018			12	12	--
n-Propylbenzene	<0.00052	<0.00016	<0.00018			3.9	3.9	--

Footnotes/Qualifiers

mg/kg: Milligrams per kilogram
 <: Analyzed for but not detected
 J: Estimated value
 D: Detected at secondary
 dilution
 --: No standard

Exceeds Unrestricted Use SCO, SCL and/or Supplemental SCO

The following compounds were detected at a concentration greater than Unrestricted Use SCOs, SCLs and/or Supplemental SCOs in soil sample GP-5 (10 to 12 feet): 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-xylene, o-xylene, toluene, naphthalene, n-butylbenzene and n-propylbenzene. This soil sample was collected from the groundwater interface in the alleyway immediately downgradient of the on-site gas station. A similar but reduced suite of compounds was detected in soil sample GP-13 (18 to 20 feet), collected below the water table further downgradient along White Plains Road. The maximum concentration of 43.8 mg/kg was detected for m,p-xylene in GP-13 (18 to 20 feet), above the Unrestricted Use SCO of 0.26 mg/kg. These soil samples exhibited petroleum odors and PID readings up to 500 ppm.

Soil sample GP-8 (6 to 18 inches) exhibited a PCE concentration of 3.3 mg/kg, above the Unrestricted Use SCO of 1.3 mg/kg. Location 8 was completed beneath the slab of the building on Lot 1 in the vicinity of a former on-site dry cleaner. Acetone, a common lab contaminant, was also detected slightly above its Unrestricted Use SCO in soil sample GP-6 (7 to 9 feet).

The source of these VOCs can likely be attributed to the historical or current use of the Site (e.g., the on-site gasoline station and former dry cleaners), as well as off-site sources (e.g., adjoining upgradient gasoline station spill) for smear zone soil. Summaries of the analytical results for VOCs in soil are presented in *Table 13*. The analytical data package is presented as *Appendix E*.

4.4.2 Semivolatile Organic Compounds (SVOCs) in Soil

A review of the subsurface soil sampling analytical results indicates that 21 of the 67 SVOCs analyzed for was detected in one or more samples, primarily polycyclic aromatic hydrocarbons (PAHs). Tentatively identified compounds (TICs) were identified in 23 samples, at concentrations ranging from 6.74 to

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28.88 mg/kg. A summary of the compounds and concentrations which exceed Unrestricted Use SCOs, SCLs, and/or Supplemental SCOs is provided below:

Table 6
Detected SVOC Concentrations above Unrestricted Use SCOs and/or Supplemental SCOs in Soil

Sample ID	GP-1(0-5)	GP-2(0-5)	GP-3(6-18)	GP-4(0-5)	GP-5(10-12)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/24/14	6/24/14	6/24/14	6/23/14	6/23/14			
Start Depth	0 feet	0 feet	6 inches	0 feet	10 feet			
End Depth	5 feet	5 feet	18 inches	5 feet	12 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
2-Methylnaphthalene	<0.37	<0.0767	<0.0383	<0.0726	0.64	--	--	0.41
Benzo(a)anthracene	0.91 J	0.67 J	0.36 J	0.58 J	<0.0402	1	1	--
Benzo(a)pyrene	0.79 J	0.62 J	0.32 J	0.51 J	<0.0402	1	1	--
Benzo(b)fluoranthene	1 J	0.79	0.37 J	0.55 J	<0.0402	1	1	--
Benzo(k)fluoranthene	<0.37	0.26 J	0.19 J	0.29 J	<0.0402	0.8	0.8	--
Chrysene	0.8 J	0.66 J	0.31 J	0.56 J	<0.0402	1	1	--
Dibenzo(a,h)anthracene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	0.33	0.33	--
Indeno(1,2,3-cd)pyrene	<0.37	0.36 J	0.19 J	0.28 J	<0.0402	0.5	0.5	--
Sample ID	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	GP-7(9-11)	GP-7(14-16)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/23/14	6/25/14	6/25/14	6/25/14	6/25/14			
Start Depth	18 feet	7 feet	12 feet	9 feet	14 feet			
End Depth	20 feet	9 feet	14 feet	11 feet	16 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
2-Methylnaphthalene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	0.41
Benzo(a)anthracene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Benzo(a)pyrene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Benzo(b)fluoranthene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Benzo(k)fluoranthene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.8	0.8	--
Chrysene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Dibenzo(a,h)anthracene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.33	0.33	--
Indeno(1,2,3-cd)pyrene	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.5	0.5	--
Sample ID	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/24/14	6/25/14	6/23/14	6/23/14	6/24/14			
Start Depth	6 inches	0 feet	6 inches	6 inches	0 feet			
End Depth	18 inches	5 feet	19 inches	23 inches	5 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
2-Methylnaphthalene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	--	--	0.41
Benzo(a)anthracene	0.51	<0.0366	0.58	<0.0394	<0.0378	1	1	--
Benzo(a)pyrene	0.4 J	<0.0366	0.47	<0.0394	<0.0378	1	1	--
Benzo(b)fluoranthene	0.48	<0.0366	0.53	<0.0394	<0.0378	1	1	--
Benzo(k)fluoranthene	0.2 J	<0.0366	0.27 J	<0.0394	<0.0378	0.8	0.8	--
Chrysene	0.47	<0.0366	0.56	<0.0394	<0.0378	1	1	--
Dibenzo(a,h)anthracene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	0.33	0.33	--
Indeno(1,2,3-cd)pyrene	0.25 J	<0.0366	0.3 J	<0.0394	<0.0378	0.5	0.5	--

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Sample ID	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/23/14	6/30/14	6/25/14	6/26/14	6/26/14			
Start Depth	0 feet	18 feet	6 inches	6 inches	0 feet			
End Depth	5 feet	23 feet	18 inches	20 inches	5 feet			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
2-Methylnaphthalene	<0.0388	0.75	<0.0391	<0.0383	<0.037	--	--	0.41
Benzo(a)anthracene	0.4	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Benzo(a)pyrene	0.42	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Benzo(b)fluoranthene	0.49	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Benzo(k)fluoranthene	0.23 J	<0.0384	<0.0391	<0.0383	<0.037	0.8	0.8	--
Chrysene	0.36 J	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Dibenzo(a,h)anthracene	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.33	0.33	--
Indeno(1,2,3-cd)pyrene	0.26 J	<0.0384	<0.0391	<0.0383	<0.037	0.5	0.5	--

Sample ID	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)			6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/26/14	6/26/14	6/25/14					
Start Depth	0 feet	6 inches	10 inches					
End Depth	5 feet	18 inches	24 inches					
Units	mg/kg	mg/kg	mg/kg					
2-Methylnaphthalene	<0.2	<0.0397	<0.0419			--	--	0.41
Benzo(a)anthracene	6.5	0.3 J	<0.0419			1	1	--
Benzo(a)pyrene	5	0.31 J	<0.0419			1	1	--
Benzo(b)fluoranthene	5.8	0.4	<0.0419			1	1	--
Benzo(k)fluoranthene	2.7	0.15 J	<0.0419			0.8	0.8	--
Chrysene	5.3	0.33 J	<0.0419			1	1	--
Dibenzo(a,h)anthracene	0.76 J	<0.0397	<0.0419			0.33	0.33	--
Indeno(1,2,3-cd)pyrene	3.1	0.19 J	<0.0419			0.5	0.5	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard

Exceeds Unrestricted Use SCO, SCL and/or Supplemental SCO

The highest concentrations of SVOCs were detected in soil sample GP-17 (0 to 5 feet), located downgradient of the Site along Guerlain Street. As summarized above, seven PAHs were detected at concentrations above Unrestricted Use SCOs and SCLs in this sample. Evidence of contamination was not observed during field screening. Concentrations of 2-methylnaphthalene were also detected slightly above Supplemental SCOs in soil samples collected from soil boring GP-5 and GP-13, located downgradient of the on-site gas station. The source of these SVOCs can likely be attributed to historic fill located on-site and potentially to historical or current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., adjoining upgradient gasoline station spill) for smear zone soil. Summaries of the analytical results for SVOCs in soil are presented in *Table 14*. The analytical data package is presented as *Appendix E*.

4.4.3 Metals and Cyanide in Soil

A review of the subsurface soil sampling analytical results indicates that 16 of the 17 metals analyzed for was detected in one or more samples. In addition, cyanide was detected in 6 soil samples and hexavalent chromium in 14 soil samples, but at concentrations below Unrestricted Use SCOs and/or Supplemental SCOs. A summary of the metals and concentrations which exceed Unrestricted Use SCOs and/or Supplemental SCOs is provided below:

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Table 7
Detected Metals and Cyanide Concentrations above
Unrestricted Use SCOs and/or Supplemental SCOs in Soil

Sample ID	GP-1(0-5)	GP-2(0-5)	GP-3(6-18)	GP-4(0-5)	GP-5(10-12)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/24/2014	6/24/2014	6/24/2014	6/23/2014	6/23/2014	10 feet	
Start Depth	0 feet	0 feet	6 inches	0 feet	10 feet		
End Depth	5 feet	5 feet	18 inches	5 feet	12 feet		
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
<u>Metals</u>							
Arsenic	8.1	3.97	7.81	5.18	1.88	13	--
Barium	172	100	286	154	73.7	350	--
Cadmium	0.608	<0.141	0.679	<0.139	<0.157	2.5	--
Chromium	20.1	22.3	28.3	24.1	31.6	30	--
Cobalt	9.91	14.2	17	11.5	13	--	30
Copper	146	39.3	82.6	52.3	21.8	50	--
Lead	508	116	461	232	11.4	63	--
Mercury	0.184	0.168	0.0060 J	0.15	0.023	0.18	--
Nickel	28.3	24.5	31.2	20.9	21.8	30	--
Silver	1.54	0.821	2.27	0.925	0.755	2	--
Zinc	385	112	447	215	55.1	109	--
Sample ID	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	GP-7(9-11)	GP-7(14-16)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/23/2014	6/25/2014	6/25/2014	6/25/2014	6/25/2014		
Start Depth	18 feet	7 feet	12 feet	9 feet	14 feet		
End Depth	20 feet	9 feet	14 feet	11 feet	16 feet		
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
<u>Metals</u>							
Arsenic	0.473 J	3.08	1.44	3.46	1.2	13	--
Barium	7.86	68.4	167	113	84.4	350	--
Cadmium	<0.150	<0.158	0.384	<0.147	<0.138	2.5	--
Chromium	70.2	28.9	102	20.9	18.3	30	--
Cobalt	5.05	15.4	47	9.88	19.6	--	30
Copper	34.4	25.3	14.3	26.2	28.5	50	--
Lead	19.4	26.2	16.2	71.1	36.4	63	--
Mercury	<0.0060	0.074	0.014	0.118	<0.0050	0.18	--
Nickel	8.38	23.5	80.8	19.8	25.8	30	--
Silver	0.886	1.28	1.77	0.746	0.765	2	--
Zinc	18.9	61.3	191	109	71.6	109	--
Sample ID	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/kg	CP-51 SCOs Residential Use mg/kg
Sampling Date	6/24/2014	6/25/2014	6/23/2014	6/23/2014	6/24/2014		
Start Depth	6 inches	0 feet	6 inches	6 inches	0 feet		
End Depth	18 inches	5 feet	19 inches	23 inches	5 feet		
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
<u>Metals</u>							
Arsenic	22.6	3.94	5.79	4.14	2.82	13	--
Barium	1410	359	104	47.1	91.4	350	--
Cadmium	5.77	0.224 J	<0.152	<0.145	<0.143	2.5	--
Chromium	60.1	28.6	22.5	20.4	24.7	30	--
Cobalt	13.3	11	13.1	7.39	25.2	--	30
Copper	82.5	29.9	28.8	7.86	25	50	--
Lead	1060	827	405	9.84	20.6	63	--
Mercury	0.382	0.239	0.269	0.039	0.029	0.18	--
Nickel	34.5	25	21	13.3	26.4	30	--
Silver	2.6	0.807	1.21	1.1	1.14	2	--
Zinc	1710	265	238	32.3	74.7	109	--

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Sample ID	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs)	CP-51 SCOs Residential Use
Sampling Date	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014		
Start Depth	0 feet	18 feet	6 inches	6 inches	0 feet		
End Depth	5 feet	23 feet	18 inches	20 inches	5 feet		
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals							
Arsenic	4.43	2.25	3.61	3.19	2.4	13	--
Barium	142	33.8	68.6	79.8	91.6	350	--
Cadmium	<0.143	<0.144	0.179 J	<0.151	<0.137	2.5	--
Chromium	29.2	14.9	21.1	22.8	20.2	30	--
Cobalt	12.4	9.04	75.1	14.2	13.5	--	30
Copper	36.2	27.1	61.1	26.8	19.7	50	--
Lead	151	11.1	11.4	28.1	39.3	63	--
Mercury	0.258	0.0100 J	0.0100 J	0.208	0.039	0.18	--
Nickel	25.6	24.8	73.3	22.1	15.4	30	--
Silver	1.3	0.791	2.12	0.971	0.809	2	--
Zinc	203	64.5	104	63.1	50.6	109	--
Sample ID	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)			6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs)	CP-51 SCOs Residential Use
Sampling Date	6/26/2014	6/26/2014	6/25/2014				
Start Depth	0 feet	6 inches	10 inches				
End Depth	5 feet	18 inches	24 inches				
Units	mg/kg	mg/kg	mg/kg			mg/kg	mg/kg
Metals							
Arsenic	6.82	4.36	2.65			13	--
Barium	748	539	87			350	--
Cadmium	0.79	0.0680 J	<0.161			2.5	--
Chromium	24.4	25.4	23			30	--
Cobalt	14	30	10.1			--	30
Copper	51	44.8	23.6			50	--
Lead	3240	2140	26.4			63	--
Mercury	0.681 D	0.03	0.0070 J			0.18	--
Nickel	19.1	30.5	18.6			30	--
Silver	1.27	1.4	0.802			2	--
Zinc	561	186	59.7			109	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

Exceeds Unrestricted Use SCO and/or Supplemental SCO

Given that the highest concentrations of metals were detected in shallow soil and are generally not consistent with the soil samples exhibiting petroleum contamination, the source of these metals can likely be attributed to historic fill located on-site. Summaries of the analytical results for metals in soil are presented in *Table 15*. The analytical data package is presented as *Appendix E*.

4.4.4 Pesticides and PCBs in Soil

A review of the subsurface soil sampling analytical results indicates that 2 of the 28 pesticide compounds and 1 of the 7 PCB aroclors analyzed for were detected in one or more samples. The pesticide compounds detected include: 4,4'-DDE and 4,4'-DDT. The PCB compound detected included Aroclor-1254. No PCBs exceeded Unrestricted Use SCOs. Only one sample exhibited a pesticide compound above Unrestricted Use SCOs: soil sample GP-8 (6 to 18 inches) exhibited a 4,4'-DDE concentration of 4.7 µg/kg, slightly above the SCO of 3.3 µg/kg.

The source of these pesticides can likely be attributed to historic fill located on-site. Summaries of the analytical results for pesticides and PCBs in soil are presented in *Table 16*. The analytical data package is presented as *Appendix E*.

4.4.5 Total Petroleum Hydrocarbons (TPH) in Soil

A review of the subsurface soil sampling analytical results indicates that total petroleum hydrocarbons (TPH) were detected in all 9 samples collected. A summary of the detected concentrations is provided below:

Table 8
Summary of Total Petroleum Hydrocarbons (TPH) Concentrations in Soil

Sample ID	GP-3(6-18)	GP-7(9-11)	GP-7(14-16)	GP-10(6-19)	GP-11(6-23)
Sampling Date	6/24/2014	6/25/2014	6/25/2014	6/23/2014	6/23/2014
Start Depth	6 inches	9 feet	14 feet	6 inches	6 inches
End Depth	18 inches	11 feet	16 feet	19 inches	23 inches
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline Range Organics (GRO)	<0.025	0.026 J	0.027 J	<0.027	<0.026
Diesel Range Organics	310.52	4.79	2.995	153.91	4.097
Sample ID	GP-14(6-18)	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)	
Sampling Date	6/25/2014	6/26/2014	6/26/2014	6/25/2014	
Start Depth	6 inches	0 feet	6 inches	10 inches	
End Depth	18 inches	5 feet	18 inches	24 inches	
Units	mg/kg	mg/kg	mg/kg	mg/kg	
Gasoline Range Organics (GRO)	<0.026	<0.026	<0.026	<0.028	
Diesel Range Organics	26.883	98.21	66.463	2.096	

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

The concentrations of TPH detected in soil range from 0.026 to 310.52 mg/kg. There are no applicable regulatory comparison criteria for TPH. TPH results provide information on soil disposal options for soil excavated for new school construction, since disposal facilities in the New York City metropolitan area typically require TPH analyses prior to accepting soil for disposal. The concentrations of TPH noted in the samples will not impact potential soil disposal options.

Summaries of the analytical results for TPH in soil are presented in *Table 15*. The analytical data package is presented as *Appendix E*.

4.5 Groundwater Sampling Findings

The depth to groundwater was measured between June 23 and June 30, 2014 utilizing temporary monitoring wells, and existing on-site monitoring wells. Groundwater was encountered at a depth ranging from 9 to 22 feet below grade (and as shallow as 4 feet in the basement of building on Lot 17) with an estimated groundwater flow direction to the south-southwest across the Site. Permanent surveyed wells were not installed on-site; therefore, a groundwater contour map was not prepared as part of this Phase II ESI report. Groundwater was not encountered at Locations 2, 4 and 12 due to refusal.

A review of the field parameters from groundwater samples obtained indicates that no elevated PID readings or visual evidence of contamination (abnormally low dissolved oxygen, Eh, pH below 5.5 or greater than 9, discoloration, free product, orange precipitate, etc.) were noted, with the exception of

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GW-5, GW-13, MW-F and MW-G. These groundwater samples exhibited slight petroleum odors and abnormally low dissolved oxygen and Eh readings. GW-13 also exhibited a trace sheen. Note that these locations are located downgradient of the on-site gas station. The results of the analyses of the groundwater samples are presented in *Tables 17 through 20*. Note that some concentrations exceeded the calibration range in the initial analysis and were reanalyzed at a secondary dilution. These concentrations were reported from the secondary dilutions and were qualified with a "D". Original analytical data is reported where dilution was not required. The complete analytical data report is presented in *Appendix E*. A review of the groundwater analytical results is presented below.

4.5.1 Volatile Organic Compounds (VOCs) in Groundwater

A review of the results of the analyses of groundwater for VOCs indicates that 26 of the 60 compounds analyzed were detected in one or more samples. A summary of the detected compounds at concentrations greater than the corresponding State Groundwater Standard or Guidance Value is provided below:

Table 9
Detected VOC Concentrations in Groundwater above State Criteria

Sample ID Sampling Date Units	GW-1 6/30/2014 µg/l	GW-5 6/23/2014 µg/l	GW-7 6/25/2014 µg/l	GW-9 6/25/2014 µg/l	GW-11 6/26/2014 µg/l	GW-13 6/30/2014 µg/l	GW-15 6/26/2014 µg/l	NYSDEC Class GA Standard or Guidance Value µg/l
1,2,4-Trimethylbenzene	<0.200	220 D	<0.200	<0.200	<0.200	2600	<0.200	5
1,3,5-Trimethylbenzene	<0.200	84.2	<0.200	<0.200	<0.200	750	<0.200	5
Benzene	<0.200	4000 D	<0.200	<0.200	<0.200	<10	<0.200	1
Chloroform	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	7
Cis-1,2-Dichloroethylene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	5
Ethylbenzene	<0.200	720 D	<0.200	<0.200	<0.200	4600	<0.200	5
Isopropylbenzene	<0.200	45.7	<0.200	<0.200	<0.200	130	<0.200	5
m,p-Xylene	<0.400	960 D	<0.400	<0.400	<0.400	13800	<0.400	5
Naphthalene	<0.200	210 D	<0.200	<0.200	<0.200	500	<0.200	10
N-Butylbenzene	<0.200	5.8	<0.200	<0.200	<0.200	<10	<0.200	5
N-Propylbenzene	<0.200	98.4	<0.200	<0.200	<0.200	400	<0.200	5
O-Xylene	<0.200	170	<0.200	<0.200	<0.200	5100	<0.200	5
p-Isopropyltoluene	<0.200	1.6	<0.200	<0.200	<0.200	14.5 J	<0.200	5
Sec-Butylbenzene	<0.200	3.8	<0.200	<0.200	<0.200	30.0 J	<0.200	5
Tert-Butyl Methyl Ether	39.6	46.9	<0.500	1.6	<0.500	<25.0	<0.500	10
Tetrachloroethylene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	1	5
Toluene	<0.200	140	<0.200	<0.200	<0.200	530	<0.200	5
Trichloroethylene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	5

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Sample ID Sampling Date Units	GW-16 6/26/2014 µg/l	GW-17 6/26/2014 µg/l	GW-18 6/26/2014 µg/l	MW-E 6/27/2014 µg/l	MW-F 6/27/2014 µg/l	MW-G 6/27/2014 µg/l	MW-H 6/27/2014 µg/l	NYSDEC Class GA Standard or Guidance Value µg/l
1,2,4-Trimethylbenzene	<0.200	<0.200	<0.200	<0.200	4.9	130	0.810 J	5
1,3,5-Trimethylbenzene	<0.200	<0.200	<0.200	<0.200	4.8	56.6	<0.200	5
Benzene	2	<0.200	<0.200	<0.200	640 D	1200 D	<0.200	1
Chloroform	<0.200	0.870 J	15.8	<0.200	<0.200	<0.200	<0.200	7
Cis-1,2-Dichloroethylene	7.6	5.9	<0.200	<0.200	<0.200	<0.200	<0.200	5
Ethylbenzene	<0.200	<0.200	<0.200	<0.200	190 D	140 D	1.4	5
Isopropylbenzene	<0.200	<0.200	<0.200	<0.200	14.7	10.5	<0.200	5
m,p-Xylene	<0.400	<0.400	<0.400	<0.400	110	380 D	2.5	5
Naphthalene	<0.200	<0.200	<0.200	<0.200	55.9	53.8	<0.200	10
N-Butylbenzene	<0.200	<0.200	<0.200	<0.200	1.7	1.4	<0.200	5
N-Propylbenzene	<0.200	<0.200	<0.200	<0.200	24.7	20.4	<0.200	5
O-Xylene	<0.200	<0.200	<0.200	<0.200	5.4	20.8	1.3	5
p-Isopropyltoluene	<0.200	<0.200	<0.200	<0.200	0.330 J	0.910 J	<0.200	5
Sec-Butylbenzene	<0.200	<0.200	<0.200	1.7	1.6	1.1	<0.200	5
Tert-Butyl Methyl Ether	5.5	<0.500	<0.500	<0.500	18.8	20.8	<0.500	10
Tetrachloroethylene	0.550 J	220 D	0.760 J	<0.200	<0.200	<0.200	<0.200	5
Toluene	<0.200	<0.200	<0.200	<0.200	37.6	71.8	<0.200	5
Trichloroethylene	<0.200	8	<0.200	<0.200	<0.200	<0.200	<0.200	5

Footnotes/Qualifiers:

µg/l: Micrograms per liter

<: Analyzed for but not detected

D: Detected at secondary dilution

J: Estimated value

Exceeds Class GA Standard or Guidance Value

The following compounds were detected at a concentration greater than Class GA Standards and Guidance Values in one or more groundwater samples: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, chloroform, cis-1,2-dichloroethylene, ethylbenzene, isopropylbenzene, m,p-xylene, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene, sec-butylbenzene, MTBE, PCE, toluene and TCE. The highest concentrations were detected in groundwater samples GW-5, GW-13, MW-F and MW-G, located downgradient of the on-site gas station. As discussed in earlier, these groundwater samples exhibited slight petroleum odors and abnormally low dissolved oxygen and Eh readings. GW-13 also exhibited a trace sheen.

It should also be noted that three chlorinated VOCs (1,2-DCE, PCE and TCE) were detected above standards in groundwater sample GW-17, located downgradient of the Site along Guerlain Street. A maximum PCE concentration in groundwater of 220 µg/l was detected in GW-17, above the groundwater standard of 5 µg/l.

The source of these VOCs can likely be attributed to the historical or current use of the Site (e.g., the on-site gasoline station and former dry cleaners), as well as off-site sources (e.g., adjoining upgradient gasoline station spill). Summaries of the analytical results for VOCs in groundwater are presented in Table 17. The analytical data package is presented as Appendix E.

4.5.2 Semivolatile Organic Compounds (SVOCs) in Groundwater

A review of the results of the analyses of groundwater for SVOCs indicates that 7 of the 67 compounds analyzed for were detected in one or more samples. 1,1-Biphenyl, 2,4-dimethylphenol, 2-methylnaphthalene, m,p-cresols, dimethylphthalate, naphthalene and phenol were detected. A summary of the detected compounds at concentrations greater than the corresponding State Groundwater Standard or Guidance Value is provided below:

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Table 10
Detected SVOC Concentrations in Groundwater above State Criteria

Sample ID	GW-1	GW-5	GW-7	GW-9	GW-11	GW-13	GW-15	NYSDEC Class
6/30/201	6/23/201	6/25/201	6/25/201	6/26/201	6/30/201	6/26/201		GA Standard or
4	4	4	4	4	4	4	4	Guidance Value
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Cresols, M&P	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Naphthalene	<1.0	210 D	<1.0	<1.0	<1.0	390 D	<1.0	10
Phenol	<1.0	14.5	<1.0	<1.0	<1.0	<1.0	<1.0	1
Sample ID	GW-16	GW-17	GW-18	MW-E	MW-F	MW-G	MW-H	NYSDEC Class
6/26/201	6/26/201	6/26/201	6/27/201	6/27/201	6/27/201	6/27/201	6/27/201	GA Standard or
4	4	4	4	4	4	4	4	Guidance Value
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Cresols, M&P	<1.0	<1.0	<1.0	<1.0	<1.0	3.20 J	<1.0	1
Naphthalene	<1.0	<1.0	<1.0	<1.0	53.6	18.8	<1.0	10
Phenol	<1.0	<1.0	<1.0	<1.0	4.40 J	21.9	<1.0	1

Footnotes/Qualifiers:

µg/l: Micrograms per liter

<: Analyzed for but not detected

J: Estimated value

D: Exceeds Class GA Standard or Guidance Value

The following compounds were detected at a concentration greater than Class GA Standards and Guidance Values in one or more groundwater samples: m,p-cresols, naphthalene and phenol. All of the concentrations detected above standards were detected in groundwater samples GW-5, GW-13, MW-F and MW-G, located downgradient of the on-site gas station. As discussed earlier, these groundwater samples exhibited slight petroleum odors and abnormally low dissolved oxygen and Eh readings. Sample GW-13 also exhibited a trace sheen. The source of these SVOCs can likely be attributed to the historical or current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., adjoining upgradient gasoline station spill). Summaries of the analytical results for SVOCs in groundwater are presented in *Table 18*. The analytical data package is presented as *Appendix E*.

4.5.3 Total and Dissolved (Filtered) Metals in Groundwater

A review of the results of the total and filtered metal analyses of groundwater indicates that all 17 metals analyzed for were detected in one or more samples. A summary of the detected compounds at concentrations greater than the corresponding State Groundwater Standard or Guidance Value is provided below:

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Table 11
Detected Total and Dissolved Metals Concentrations in
Groundwater above State Criteria

Sample ID	GW-1	GW-1	GW-5	GW-5	GW-7	GW-7	GW-9	GW-9	NYSDEC Class
Sampling Date	6/30/2014	6/30/2014	6/23/2014	6/23/2014	6/25/2014	6/25/2014	6/25/2014	6/25/2014	GA Standard or
Analysis	total	dissolved	total	dissolved	total	dissolved	total	dissolved	Guidance Value
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Beryllium	0.00059 J	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	0.00011 J	<0.0005	0.003
Cadmium	0.0011	0.0011	0.0131	<0.0005	0.001 J	<0.0005	0.00024 J	<0.0005	0.005
Chromium	0.0149	0.003	0.00308	0.00262	0.0377	0.00019 J	0.0099	0.0028	0.05
Lead	0.0487	0.000099 J	0.313	0.00432	0.521	<0.0005	0.0314	0.00023 J	0.025
Manganese	13.5 D	14.4 D	3.44	3.46	3.34	0.0187	0.532	0.417	0.3
Mercury	<0.0001	<0.0001	0.000113 J	<0.0001	0.000955	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.0505	0.0389	0.00845	0.00512	0.0545	0.00049 J	0.0276	0.014	0.1
Selenium	0.0036 J	0.003 J	<0.0025	0.000859 J	0.004 J	0.0011 J	0.0155	0.0164	0.01
Silver	0.000048 J	0.000048 J	0.000046 J	<0.0005	0.0011	<0.0005	0.00054 J	0.000041 J	0.05
Thallium	0.00014 J	0.000025 J	0.00023 J	0.000062 J	0.00068 J	<0.0005	0.00019 J	0.00013 J	0.0005
Sample ID	GW-11	GW-11	GW-13	GW-13	GW-15	GW-15	GW-16	GW-16	NYSDEC Class
Sampling Date	6/26/2014	6/26/2014	6/30/2014	6/30/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	GA Standard or
Analysis	total	dissolved	total	dissolved	total	dissolved	total	dissolved	Guidance Value
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Beryllium	0.0063	<0.0005	0.0005 J	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	0.003
Cadmium	0.0028	0.00037 J	0.00014 J	<0.0005	0.003	0.001 J	<0.0005	<0.0005	0.005
Chromium	0.0718	0.00062 J	0.0131	0.0012 J	0.0506	0.00055 J	0.0026	0.00091 J	0.05
Lead	0.132	0.00065 J	0.0204	0.00012 J	0.082	0.000098 J	0.0011	0.000053 J	0.025
Manganese	17.9 D	6.1	3.55	3.2	7.69	1.09	2.59	2.23	0.3
Mercury	0.000413	<0.0001	<0.0001	<0.0001	0.000186 J	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.14	0.0261	0.0184	0.0042	0.112	0.0371	0.0121	0.0091	0.1
Selenium	0.0042 J	0.0028 J	0.0024 J	0.0018 J	0.0034 J	0.0039 J	0.0027 J	0.0023 J	0.01
Silver	0.0008 J	<0.0005	0.0720 J	<0.0005	0.00061 J	<0.0005	0.0004 J	<0.0005	0.05
Thallium	0.00079 J	0.000074 J	0.00011 J	<0.0005	0.00029 J	0.000021 J	<0.0005	<0.0005	0.0005
Sample ID	GW-17	GW-17	GW-18	GW-18	MW-E	MW-E	MW-F	MW-F	NYSDEC Class
Sampling Date	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/27/2014	6/27/2014	6/27/2014	6/27/2014	GA Standard or
Analysis	total	dissolved	total	dissolved	total	dissolved	total	dissolved	Guidance Value
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Beryllium	0.00064 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.003
Cadmium	0.00046 J	0.00023 J	0.00038 J	0.00019 J	0.00067 J	0.00062 J	0.00016 J	<0.0005	0.005
Chromium	0.0129	0.00053 J	0.0044	0.0017 J	0.0024	0.00098 J	0.002 J	0.0003 J	0.05
Lead	0.0553	0.00017 J	0.002	0.00026 J	0.0084	0.00028 J	0.0074	0.000094 J	0.025
Manganese	3.7	3.37	2.05	1.63	15.4 D	13.8 D	3.58	3.05	0.3
Mercury	0.000683	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.0315	0.0177	0.0626	0.053	0.0113	0.0075	0.0059	0.0036	0.1
Selenium	0.0158	0.0154	0.0033 J	<0.0025	0.0033 J	0.003 J	<0.0025	<0.0025	0.01
Silver	0.00044 J	<0.0005	0.00017 J	0.000058 J	<0.0005	<0.0005	0.000041 J	<0.0005	0.05
Thallium	0.00011 J	0.00004 J	0.000047 J	0.000028 J	0.000064 J	0.000042 J	0.000042 J	0.000027 J	0.0005

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Sample ID Sampling Date Analysis Units	MW-G 6/27/2014 total mg/l	MW-G 6/27/2014 dissolved mg/l	MW-H 6/27/2014 total mg/l	MW-H 6/27/2014 dissolved mg/l					NYSDEC Class GA Standard or Guidance Value mg/l
Beryllium	<0.0005	<0.0005	<0.0005	<0.0005					0.003
Cadmium	0.0005 J	<0.0005	0.0011	<0.0005					0.005
Chromium	0.0039	0.0011 J	0.0033	0.00057 J					0.05
Lead	0.0243	0.00039 J	0.023	0.00018 J					0.025
Manganese	2.78	2.46	0.552	0.0125					0.3
Mercury	<0.0001	<0.0001	<0.0001	<0.0001					0.0007
Nickel	0.0133	0.0076	0.0045	0.0016					0.1
Selenium	0.00095 J	<0.0025	0.0012 J	<0.0025					0.01
Silver	0.000049 J	<0.0005	0.000045 J	<0.0005					0.05
Thallium	0.0001 J	0.000028 J	0.000041 J	0.000027 J					0.0005

Footnotes/Qualifiers:

mg/l: Milligrams per liter

<: Analyzed for but not detected

--: No standard

J: Estimated value

D: Detected at a secondary dilution

Exceeds Class GA Standard or Guidance Value

As shown, although there were several exceedances of NYSDEC Class GA Groundwater Standards in the total metal analyses, there were only two metals (manganese and selenium) that exceeded for the dissolved (filtered) metals analyses. Therefore, the levels detected in the total metal analyses are related to turbidity in the samples and not to on-site contamination.

Manganese was detected above its Class GA Groundwater Standard of 0.3 mg/l in 12 of the 14 dissolved (filtered) metals analyses, with a maximum concentration of 14.4 mg/l detected in the upgradient location GW-1. Selenium was also detected slightly above the Class GA Groundwater Standard in two dissolved (filtered) metals analyses. These metals concentrations are not related to on-site contamination but to natural conditions. Summaries of the analytical results for metals in groundwater are presented in *Table 19*. The analytical data package is presented as *Appendix E*.

4.5.4 PCBs in Groundwater

The laboratory analytical results indicate that PCBs were not detected in the groundwater samples collected. A summary of the analytical results for PCBs in groundwater is presented in *Table 20*. The analytical data package is presented as *Appendix E*.

4.5.5 NYCDEP Discharge Parameters in Groundwater

Groundwater sample GW-17 was analyzed for New York City Department of Environmental Protection (NYCDEP) discharge parameters. All the NYCDEP discharge parameters were below their respective effluent limits with the exception of total suspended solids. Total suspended solids was detected at a concentration of 430 mg/l in GW-17, which is greater than the discharge limit of 350 mg/l. Note that this sample was brown in color and turbid. PCE was also detected at a concentration of 220 µg/l in GW-17, which is greater than the discharge limit of 20 µg/l. Petroleum contaminants such as BTEX compounds were also detected in other areas of the Site at concentrations above discharge limits. The source of these VOCs can likely be attributed to the historical or current use of the Site, as well as off-site sources.

If plans include discharging to the sewer system during dewatering at the Site, pre-filtering will be required to address total suspended solids, as well as treatment to address the on-site chlorinated VOC and petroleum contamination. The dewatering system design should also consider the off-site sources of contamination. A summary of the analytical results for NYCDEP Discharge Limits in groundwater is presented in *Table 19*. The analytical data package is presented in *Appendix E*.

4.6 Residual Waste and/or Pre-Design Waste Characterization Sampling Findings

4.6.1 Pre-Design Characterization Sampling Results

All waste characterization parameters were below their respective characteristic hazardous waste threshold values and no evidence of contamination was identified. Samples for TCLP analysis were collected and placed on-hold at the laboratory pending the results of the totals analyses. Based on totals concentrations of lead and chromium exceeding the 20 Times Rule, 10 samples were subsequently analyzed TCLP lead and 1 sample was analyzed for TCLP chromium. The laboratory results of the TCLP analyses indicate that those samples analyzed are below their respective TCLP Regulatory Level. A detailed summary of the analytical results for waste characterization sampling is presented in *Table 15*. The analytical data package is presented in *Appendix E*.

Based on a preliminary characterization of the soil quality in this investigation and a review of the analytical requirements for selected solid waste management facilities, elevated concentrations of select VOCs and SVOCs may require disposal as nonhazardous industrial waste or petroleum contaminated material.

4.6.2 Investigation Derived Waste Management and Disposal

Investigation derived waste (IDW) was not generated during the Phase II ESI. All surplus bored material (i.e., that not needed for sample collection) was used to backfill each borehole. In addition, all purged groundwater was introduced back into the borehole prior to backfill.

4.7 Summary of Findings

D&B performed a Phase II ESI consisting of a geophysical survey, soil borings and the collection and laboratory analysis of soil vapor, soil and groundwater samples within the proposed Site. The results of the Phase II ESI indicate the following:

- Based on observations made during the Phase II ESI, groundwater was encountered at the Site at approximately 9 to 22 feet below grade, and only 4 feet below the basement slab in the building on Lot 17. Groundwater is anticipated to flow in an overall south-southwesterly direction.
- The Phase I ESA identified historic fill of unknown origin as a REC/VEC for the Site. During the Phase II ESI, material consisting of brown silty sand, some fine-medium gravel, slag/cinders, concrete, brick, asphalt and rock fragments was encountered at most of the 19 boring locations, with a thickness of approximately 5 to 10 feet. Field observations of petroleum contamination were observed in at least five locations, including Locations 5, 6, 7, 13 and 14. Locations 5 and 13 exhibited the greatest evidence of contamination from field screening, with a strong petroleum odor and PID readings up to 500 ppm. These locations are generally located downgradient of the on-site gas station.

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- As discussed in the Phase I ESA, a FOIL review of the adjoining upgradient gasoline station located at 1881 East Tremont Avenue indicated that a significant release of petroleum occurred at that property in the mid 1980's which impacted groundwater on the Site (9 inches of floating product were observed in the on-site bowling alley sump pit at that time). Recovery systems were installed and operated to remove the petroleum impact. However, an open spill number still exists for that property and the FOIL review did not indicate that any remedial activities have occurred related to the spill since 2008.
- The geophysical survey identified numerous linear subsurface anomalies consistent with underground pipes and utilities. The boring locations were located in areas which did not conflict with these anomalies. In addition, the geophysical survey identified numerous utility lines and subsurface pipes throughout the Site. Two anomalies were confirmed to be consistent with the USTs located at the northwest corner of the project area. Also, the geophysical survey confirmed that the on-site storm water drains were connected to the public sewer system.
- Sixteen of the 18 soil vapor samples exhibited one or more VOCs at concentrations greater than the New York State Department of Health Air Guideline Values (AGVs) or the anticipated range of background levels, and 11 of the 18 soil vapor samples exhibited one or more VOCs at concentrations greater than the AGVs. Samples SV-8 and SV-15, which exhibited the maximum PCE concentrations of 31,193 $\mu\text{g}/\text{m}^3$ and 15,596 $\mu\text{g}/\text{m}^3$, respectively, are located in the vicinity of former on-site dry cleaners. Sample SV-5, which exhibited the maximum benzene concentration of 1,054 $\mu\text{g}/\text{m}^3$, is located in the alleyway immediately downgradient of the on-site gas station. PCE was also detected above the AGV in 11 of the 18 soil vapor samples and TCE in two soil vapor samples at 128 $\mu\text{g}/\text{m}^3$ and 178 $\mu\text{g}/\text{m}^3$ in samples SV-8 and SV-15, respectively. At Locations 5, 8 and 17, the compounds detected in soil vapor above the anticipated range of background concentrations were also detected exceeding their respective regulatory standards in soil or groundwater samples collected from these locations, and were consistent with field observations of contamination. Therefore, the detected soil vapor concentrations are likely due to historical and/or current use of the Site (e.g., the on-site gasoline station and former dry cleaners), as well as off-site sources (e.g., adjoining upgradient gasoline station spill).
- For soil, most or all of the following VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-xylenes, o-xylene, toluene, naphthalene, n-butylbenzene and n-propylbenzene) were detected at a concentration greater than Unrestricted Use SCOs, SCLs and/or Supplemental SCOs in soil samples GP-5 (10 to 12 feet) and GP-13 (18 to 20 feet), located downgradient of the on-site gas station. These soil samples also exhibited one SVOC (2-methylnaphthalene) at a concentration slightly above the Supplemental SCO. Soil sample GP-8 (6 to 18 inches), located in the vicinity of a former on-site dry cleaner, exhibited a PCE concentration of 3.3 mg/kg, above the Unrestricted Use SCO of 1.3 mg/kg. The source of these VOCs and SVOCs can likely be attributed to the historical or current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., adjoining upgradient gasoline station spill) for smear zone soil. Soil sample GP-17 (0 to 5 feet), located downgradient of the Site along Guerlain Street, exhibited seven PAHs at concentrations above Unrestricted Use SCOs and SCLs with no evidence of contamination during field screening. The source of the SVOCs in GP-17 can likely be attributed to the cinders and slag observed in the historic fill in this location.
- A total of 11 metals were detected in one or more soil samples at concentrations exceeding Unrestricted Use SCOs or Supplemental SCOs. One sample, GP-8 (6 to 18 inches) exhibited a

pesticide concentration above the Unrestricted Use SCO (4,4'-DDE). Given that the highest concentrations were detected in shallow soil and are generally not consistent with the soil samples exhibiting petroleum contamination, the source of these metals and pesticides can likely be attributed to historic fill located on-site. PCB concentrations did not exceed the Unrestricted Use SCOs. TPHs were detected in all soil samples collected, and can likely be attributed to historic fill located on-site and current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., adjoining upgradient gasoline station spill) for smear zone soil.

- For groundwater, field screening observed evidence of petroleum contamination in four groundwater samples located downgradient of the on-site gas station (GW-5, GW-13, MW-F and MW-G), including petroleum odors. These samples exhibited the highest VOC concentrations in groundwater, with one or more of the following compounds detected above Class GA Groundwater Standards: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-xylene, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene, sec-butylbenzene, MTBE and toluene. Two SVOCs were also detected above Class GA Groundwater Standards: phenol in MW-F and MW-G, and m,p-cresols in MW-G. Three chlorinated VOCs (1,2-DCE, PCE and TCE) were detected above the groundwater standard of 5 µg/l in groundwater sample GW-17, located downgradient of the Site along Guerlain Street, with a PCE concentration of 220 µg/l. The upgradient groundwater sample collected from Location 1 did not exhibit VOC or SVOC concentrations in excess of the Class GA Groundwater Standards, with the exception of methyl tert-butyl ether (MTBE). Therefore, either the contamination detected in the on-site wells is emanating from an on-site source or Location 1 is not hydraulically upgradient of these locations (i.e., too far east to intercept the adjoining upgradient gasoline station spill). Therefore, the source of these VOCs and SVOCs can likely be attributed to the historical or current use of the Site (e.g., the on-site gasoline station and former dry cleaners) or off-site sources (e.g., adjoining upgradient gasoline station spill).
- Analysis of the groundwater samples also found that several metals exceeded NYSDEC Class GA groundwater standards on a totals basis but dissolved metals, with the exception of manganese and selenium, were below the groundwater standards. As a result, the total metal exceedances are related to sample turbidity and not to an on-site release. The presence of dissolved manganese and selenium is related to natural conditions. PCBs were not detected in any of the collected groundwater samples.
- One groundwater sample (i.e., GW-17) was analyzed for NYCDEP Sewer Use Discharge Limits. All the NYCDEP discharge parameters were below their respective effluent limits with the exception of total suspended solids. If discharging to the sewer system during dewatering at the Site, pre-filtering will be required to address total suspended solids, as well as treatment to address the on-site chlorinated VOC and petroleum contamination discussed earlier. The dewatering system design should also consider the off-site sources of contamination.
- Free phase product was not encountered during the field activities.
- All waste characterization parameters were below their respective characteristic hazardous waste threshold values and no evidence of contamination was identified. The laboratory results of the lead and chromium TCLP analyses indicate that those samples analyzed are below their respective TCLP Regulatory Level.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the Phase II Environmental Site Investigation (ESI), D&B concludes the following:

Based on the Phase II ESI results, the following can be concluded:

- The RECs/VECs identified in the Phase I ESA were adequately investigated.
- The geophysical survey found two anomalies that are consistent with the USTs located at the gas station on the northwest corner of the Site (Lot 8).
- Elevated VOC concentrations were detected in soil vapor throughout the Site, with 16 of the 18 soil vapor samples exhibiting one or more VOCs at concentrations greater than the New York State Department of Health Air Guideline Values (AGVs) or the anticipated range of background levels. Soil vapor samples SV-8 and SV-15, located in the vicinity of former on-site dry cleaners (1590 White Plains Road and 1597 Unionport Road), exhibited PCE concentrations up to 1,000 times the AGV and TCE concentrations up to 25 times the AGV near the former on-site dry cleaners. PCE was detected above the AGV in 11 of the 18 soil vapor samples. Soil vapor sample SV-5, which exhibited a benzene concentration nearly 100 times the maximum comparison value, is located in the alleyway immediately downgradient of the on-site gas station. Petroleum-related compounds were detected in soil gas in the western and northwestern portions of the Site. At these locations, compounds detected in soil vapor above the anticipated range of background concentrations were also detected exceeding their respective regulatory standards in soil or groundwater samples and were consistent with field observations of contamination. Therefore, the detected soil vapor concentrations are likely due to historical and/or current use of the Site (e.g., the on-site gasoline station and former dry cleaners), as well as off-site sources (e.g., adjoining upgradient gasoline station spill).
- The soil sample analyses indicate that most of the following petroleum-related VOCs and SVOCs (2-methylnaphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-xylenes, o-xylene, toluene, naphthalene, n-butylbenzene and n-propylbenzene) were detected at concentrations greater than Unrestricted Use SCOs, SCLs and/or Supplemental SCOs in two soil samples located downgradient of the on-site gas station. The soil sample located in the vicinity of the former on-site dry cleaner formerly located at 1590 White Plains Road exhibited a PCE concentration of 3.3 mg/kg, above the Unrestricted Use SCO of 1.3 mg/kg. The source of these VOCs and SVOCs can likely be attributed to the historical or current use of the Site (e.g., the on-site gasoline station), as well as off-site sources (e.g., adjoining upgradient gasoline station spill) for smear zone soil.
- Various PAHs and one pesticide (4,4'-DDE) were detected above Unrestricted Use SCOs and SCLs in one shallow soil sample. In addition, a total of 11 metals were detected in one or more soil samples at concentrations exceeding Unrestricted Use SCOs or Supplemental SCOs. Given that the highest concentrations were detected in shallow soil and are generally not consistent with the soil samples exhibiting petroleum contamination, the source of these SVOCs, metals and pesticides can likely be attributed to historic fill located on-site. Historic fill was observed in most boring locations with a maximum thickness of approximately 10 feet.

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- The groundwater sample analyses indicate that most of the following VOCs and SVOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, m,p-cresols, m,p-xylene, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, phenol, p-isopropyltoluene, sec-butylbenzene, MTBE and toluene) were detected at concentrations greater than Class GA Groundwater Standards in groundwater samples located downgradient of the on-site gas station. Groundwater sample GW-17, located downgradient of the Site, exhibited concentrations of three chlorinated VOCs (1,2-DCE, PCE and TCE) above the groundwater standard, with a PCE concentration over 40 times the standard. The upgradient sample did not exhibit concentrations of VOCs or SVOCs in excess of the Class GA Groundwater Standards, with the exception of MTBE. Therefore, the contamination detected in the on-site wells is either from an on-site source (e.g., the on-site gasoline station) or Location 1 is not hydraulically upgradient of these wells and off-site sources (e.g., adjoining upgradient gasoline station spill) may be impacting the Site.
- The analyses indicate that several metals were detected in one or more groundwater samples at concentrations exceeding their respective NYSDEC Class GA Groundwater Standards. The metals, with the exception of manganese and selenium, were only elevated in the total metals analysis and not the dissolved metals analysis and therefore are related to sample turbidity and not on-site release. The presence of dissolved manganese and selenium is related to natural conditions.
- Based on the soil vapor concentrations, a VEC exists. Based on the Phase II investigation, the VOCs detected in soil and groundwater may be the source of these concentrations. These impacts may be related to the historical or current use of the Site or off-site sources.
- Based on comparison of groundwater sampling results to NYCDEP discharge parameters, pre-filtering will be required to address total suspended solids if plans include discharging to the sewer system during dewatering at the Site. In addition, treatment to address the on-site chlorinated VOC and petroleum contamination may be necessary.
- The soil encountered at the Site can be classified as nonhazardous industrial waste as defined in the NYCSCA 02200 Earthwork Specification template.
- Given the extent of observed petroleum and chlorinated VOC contamination in soil vapor, soil and groundwater, it is likely that proceeding with the proposed school at this Site will require NYSDEC involvement. The Site may be eligible for management under the Brownfield Cleanup Program (BCP). Further discussion with the NYSDEC is recommended to determine eligibility.

Based on the results of the Phase II ESI, the following remedial actions and/or engineering controls are required to render the Site suitable for use as a public school facility:

- As a safeguard to prevent potential volatile organic compounds in soil vapor from entering the new school building in the future, a soil vapor barrier and sub-slab depressurization system should be integrated into the new school design including the integration with any proposed damp-proofing or waterproofing components of the new school design.
- To mitigate elevated concentrations of organic compounds, groundwater remediation should be completed followed by long-term groundwater monitoring both on-site and off-site.

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In addition, D&B recommends the following as part of the NYCSCA standard construction requirements:


- If soil is to be excavated during the development of the public school facility, D&B recommends properly characterizing the soil to identify appropriate material handling, reuse, and/or disposal requirements. Excavated material should be managed in accordance with applicable federal, state, and local laws and regulations and in consideration of the results of the characterization sampling and analysis. Based on the results of the analyses of soil samples collected during the Phase II ESI, material excavated from the Site is expected to be nonhazardous industrial waste, as defined in the standard NYCSCA 02200 Earthwork Specification section template, and should be identified as nonhazardous industrial waste for bidding purposes. Additionally, the project construction specifications should require completion of waste characterization sampling by the contractor.
- If dewatering is necessary during school construction activities, it is expected that treatment of dewatering effluent may be required prior to discharge to the municipal sewer. Dewatering, groundwater treatment, and disposal should be performed in accordance with applicable local, state, and federal regulations. Dewatering required during construction should be minimized to mitigate potential influx of contaminated water from off-site sources toward the Site.
- All tanks, piping and appurtenances on the Site should be removed (i.e. gasoline station), and all other underground/aboveground storage tanks should be removed from the Site.
- After the proposed new building and grounds are constructed, any exposed soil (landscaped areas) must be covered with at least two feet of environmentally clean fill.
- Suspect ACM, LBP, and/or PCB-containing materials should be properly managed during construction or demolition activities.

A description of the remedial engineering controls and associated cost estimates are included in *Appendix G*.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

D&B Engineers and Architects, P.C. (D&B) has performed a Phase II Environmental Site Investigation (ESI) of the proposed public school facility located at 1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road and 1880-1894 East Tremont Avenue in the Bronx, New York 10462. The scope of the Phase II ESI was consistent with the scope of work dated April 14, 2014 as stated in Section 2.0.

D&B Engineers and Architects, P.C.

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7.0 REFERENCES

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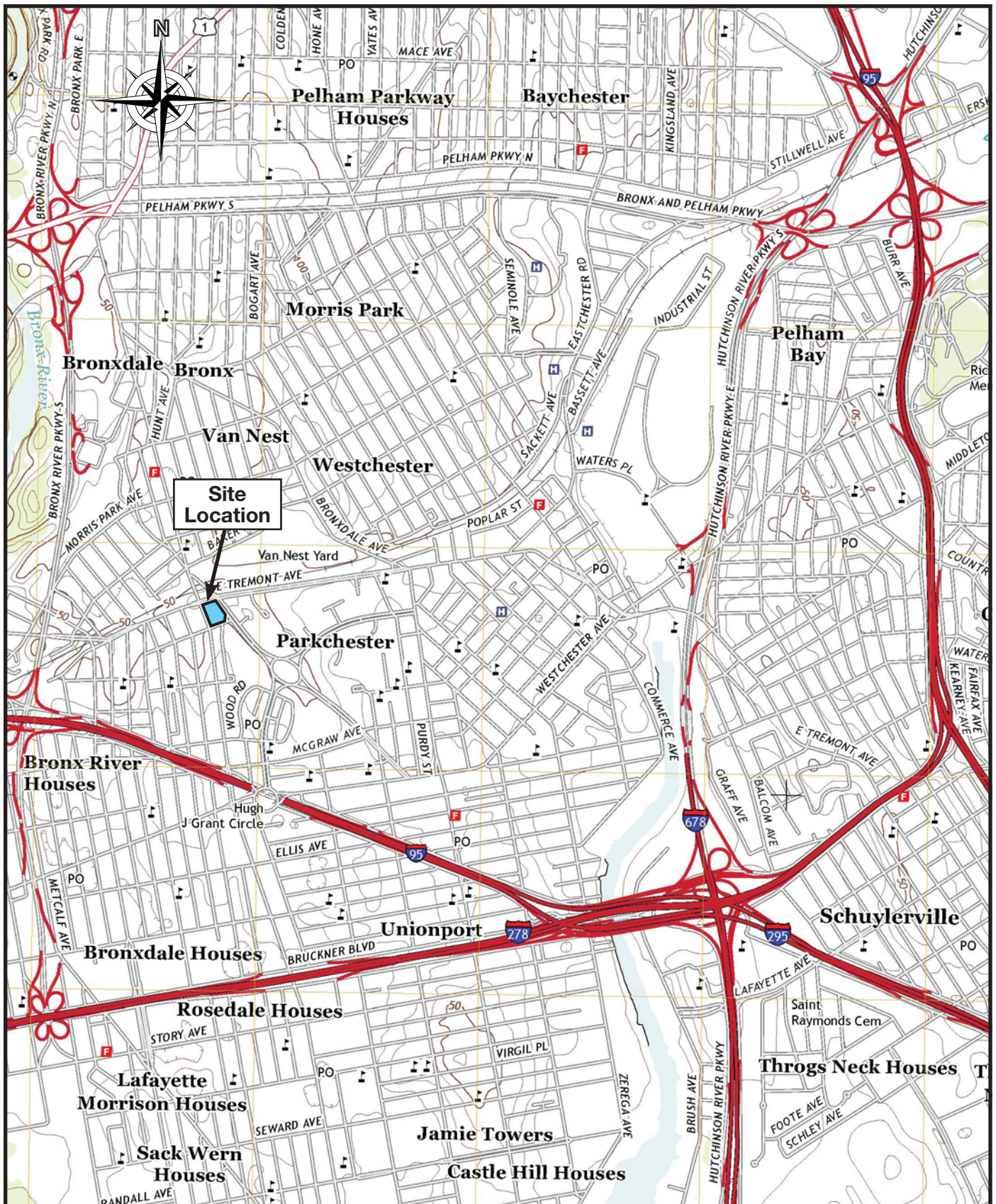
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FIGURES



SOURCE: UNITED STATES GEOLOGICAL SURVEY (USGS), 7.5" TOPOGRAPHIC QUADRANGLE FLUSHING, NY, 2013



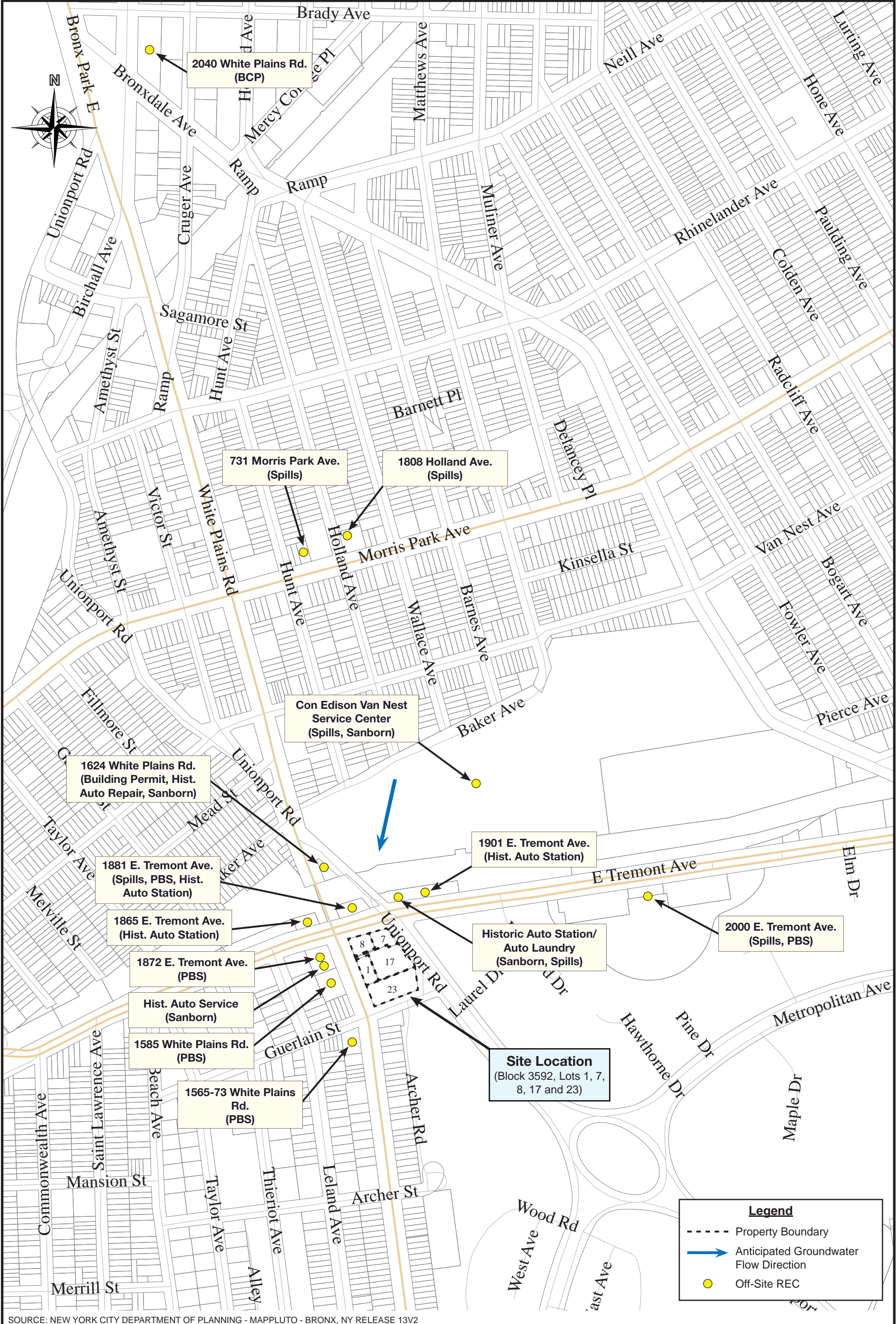
D&B ENGINEERS
AND
ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
1597-1627 UNIONPORT ROAD, 1889-1905 GUERLAIN
STREET, 1572-1592 WHITE PLAINS ROAD, AND
1880-1894 EAST TREMONT AVENUE, BRONX, NEW YORK

0 2000
SCALE IN FEET

SITE LOCATION MAP

FIGURE 1



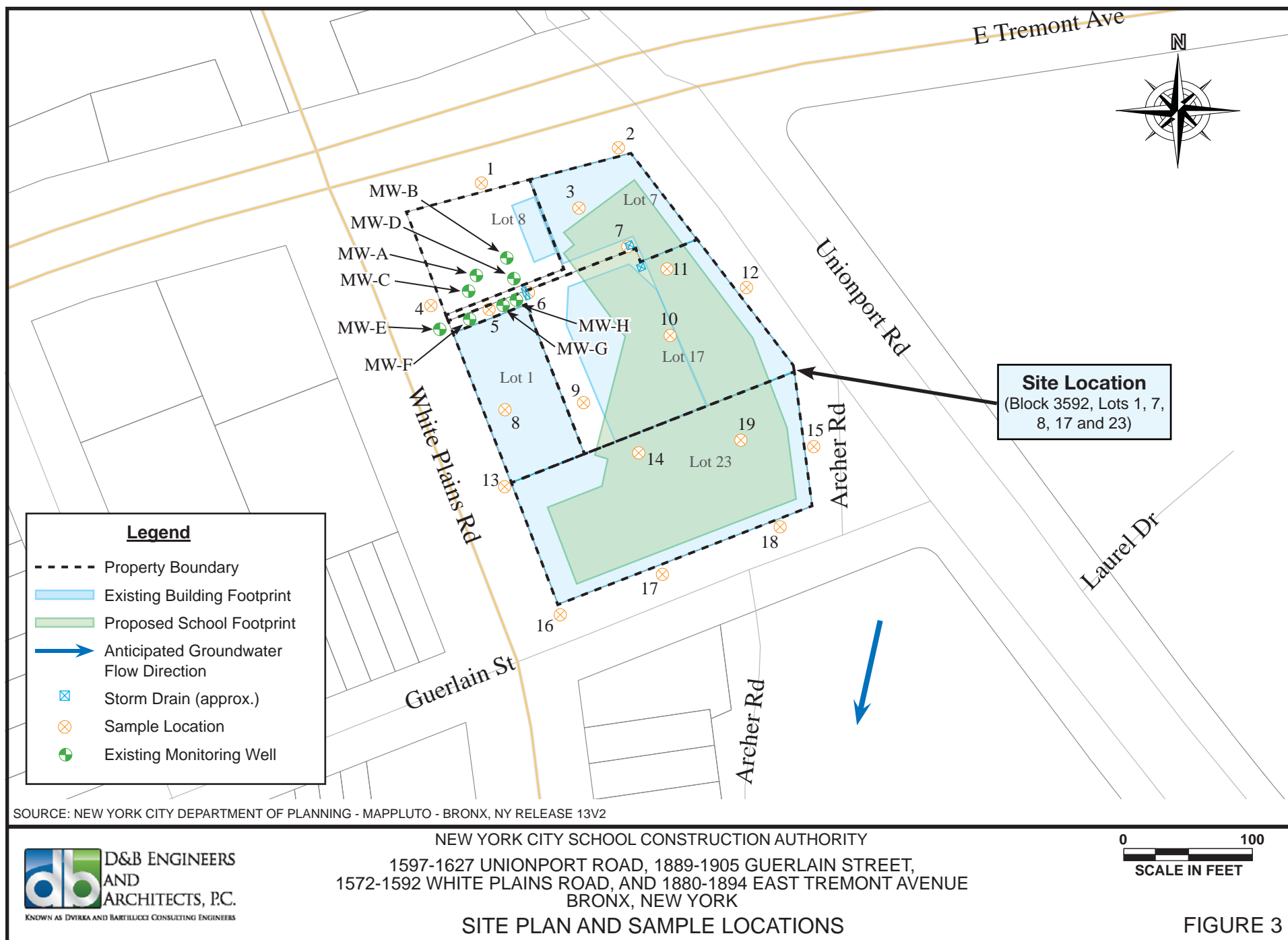
SOURCE: NEW YORK CITY DEPARTMENT OF PLANNING - MAPPLUTO - BRONX, NY RELEASE 13V2



NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
1597-1627 UNIONPORT ROAD, 1889-1905 GUERLAIN STREET,
1572-1592 WHITE PLAINS ROAD, AND 1880-1894 EAST TREMONT AVENUE
BRONX, NEW YORK
SITE PLAN WITH OFF-SITE RECS



FIGURE 2



TABLES

Table 12
Unionport Road, Bronx, NY
Summary of Soil Vapor
Analytical Results
Volatile Organic Compounds

Sample ID	SV-1	SV-2	SV-3	SV-4	SV-5		NYSDOH Table	NYSDOH Table	NYSDOH Table
Sampling Date	6/24/2014	6/24/2014	6/24/2014	6/23/2014	6/23/2014		C-1 Upper	C-2 90th	C-5 95th
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	NYSDOH Air	Fence	Percentile	Percentile
						Guideline Value	Limit(indoor)	Value(indoor)	Value(indoor)
						ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane (TCA)	<0.160	0.76	0.98	<0.160	<1.64	--	2.5	20.6	--
1,1-Dichloroethane	<0.400	<0.400	<0.400	<0.400	<4.05	--	0.4	<0.7	--
1,1-Dichloroethene	<0.400	<0.400	<0.400	<0.400	<3.96	--	0.4	<1.4	--
1,2,4-Trimethylbenzene	2.36 J	5.41	64.9	89.0 D	107	--	9.8	9.5	--
1,2-Dichlorobenzene	<0.600	<0.600	<0.600	<0.600	<6.01	--	0.5	<1.2	--
1,2-Dichloroethane	<0.400	<0.400	<0.400	<0.400	<4.05	--	0.4	<0.9	--
1,2-Dichloropropane	<0.460	<0.460	<0.460	<0.460	<4.62	--	0.4	<1.6	--
1,3,5-Trimethylbenzene	0.640 J	2.21 J	33.9	24.1	27	--	3.9	3.7	--
1,3-Dichlorobenzene	<0.600	<0.600	<0.600	<0.600	<6.01	--	0.5	<2.4	--
Benzene	1.73	7.99	40.6	10.9	1054 D	--	13	9.4	10
Carbon Tetrachloride	0.38	0.38	<0.190	0.38	<1.89	--	1.3	<1.3	1.1
Chlorobenzene	<0.460	<0.460	<0.460	<0.460	<4.61	--	0.4	<0.9	--
Chloroethane	<0.260	<0.260	<0.260	<0.260	<2.64	--	0.4	<1.1	--
Chloromethane	1.14	1.16	0.700 J	<0.210	<2.07	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<0.400	<0.400	<3.96	--	0.4	<1.9	--
Ethylbenzene	1.87 J	3.65	137 D	38.2	127	--	6.4	5.7	7.62
m,p-Xylenes	5.65	11.7	380 D	143 D	68.6	--	11	22.2	22.2
Methyl tert-Butyl Ether (MTBE)	<0.360	<0.360	<0.360	<0.360	<3.61	--	14	11.5	36
Methylene Chloride	5.91	3.2	<0.350	1.29 J	<3.47	60	16	10	7.5
Naphthalene	<0.520	<0.520	1.63 J	66.6 D	15.2 J	--	--	5.1	--
o-Xylene	2.13 J	4.34	133 D	61.2	9.99 J	--	7.1	7.9	7.24
Tetrachloroethylene (PCE)	0.75	45.4	745 D	54.2	456	30	2.5	15.9	6.01
Toluene	15.8	11.3	274 D	118 D	26.4	--	57	43	39.8
trans-1,2-Dichloroethene	<0.400	<0.400	<0.400	<0.400	<3.96	--	--	--	--
Trichloroethylene (TCE)	<0.160	0.48	0.27	0.7	<1.61	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	<0.0800	0.18	<0.0800	<0.770	--	0.4	<1.9	--
Total Volatile Organic Compounds	38.36	97.98	1812.16	607.57	1891.19	--	--	--	--

Qualifiers:

<: Analyzed but not detected

J: Estimated value

D: Detected at secondary dilution

Notes:

ug/m3: Micrograms per cubic meter

Exceeds the maximum concentration of NYSDOH Table C-1, C-2 or C-5

Exceeds the NYSDOH Air Guideline Value

--:Not calculated or no guideline value

Table 12
Unionport Road, Bronx, NY
Summary of Soil Vapor
Analytical Results
Volatile Organic Compounds

Sample ID	SV-6	SV-7	SV-8	SV-9	SV-10		NYSDOH Table C-1 Upper Fence	NYSDOH Table C-2 90th Percentile	NYSDOH Table C-5 95th Percentile
Sampling Date	6/25/2014	6/25/2014	6/24/2014	6/25/2014	6/23/2014	NYSDOH Air Guideline Value	Limit(indoor)	Value(indoor)	Value(indoor)
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane (TCA)	<0.160	<0.160	<1.64	<0.160	<0.160	--	2.5	20.6	--
1,1-Dichloroethane	<0.400	<0.400	<4.05	<0.400	<0.400	--	0.4	<0.7	--
1,1-Dichloroethene	<0.400	<0.400	<3.96	<0.400	<0.400	--	0.4	<1.4	--
1,2,4-Trimethylbenzene	73.2	40.8	147	50.1	12.8	--	9.8	9.5	--
1,2-Dichlorobenzene	<0.600	<0.600	<6.01	<0.600	<0.600	--	0.5	<1.2	--
1,2-Dichloroethane	<0.400	<0.400	<4.05	<0.400	0.650 J	--	0.4	<0.9	--
1,2-Dichloropropane	<0.460	<0.460	<4.62	<0.460	<0.460	--	0.4	<1.6	--
1,3,5-Trimethylbenzene	19.2	9.34	70.3	12.3	3.15	--	3.9	3.7	--
1,3-Dichlorobenzene	<0.600	<0.600	<6.01	<0.600	<0.600	--	0.5	<2.4	--
Benzene	22.4	4.47	46	36.1	4.15	--	13	9.4	10
Carbon Tetrachloride	<0.190	0.44	<1.89	0.38	0.44	--	1.3	<1.3	1.1
Chlorobenzene	<0.460	<0.460	<4.61	<0.460	<0.460	--	0.4	<0.9	--
Chloroethane	<0.260	<0.260	<2.64	5.54	<0.260	--	0.4	<1.1	--
Chloromethane	0.950 J	1.05	<2.07	21.9	<0.210	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<3.96	<0.400	<0.400	--	0.4	<1.9	--
Ethylbenzene	108 D	23	133	20	6.08	--	6.4	5.7	7.62
m,p-Xylenes	204 D	53.9	477	55.6	23	--	11	22.2	22.2
Methyl tert-Butyl Ether (MTBE)	<0.360	1.8	<3.61	5.77	<0.360	--	14	11.5	36
Methylene Chloride	1.46 J	9.38	167	3.47	2.26	60	16	10	7.5
Naphthalene	9.96	32	<5.24	9.44	3.46	--	--	5.1	--
o-Xylene	70.4 D	19.6	117	23	10.9	--	7.1	7.9	7.24
Tetrachloroethylene (PCE)	228 D	21	31193 D	47.5	7.46	30	2.5	15.9	6.01
Toluene	23.4	27.1	166	37.3	26	--	57	43	39.8
trans-1,2-Dichloroethene	<0.400	<0.400	<3.96	<0.400	<0.400	--	--	--	--
Trichloroethylene (TCE)	<0.160	0.21	128	<0.160	0.16	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	<0.0800	<0.770	6.9	<0.0800	--	0.4	<1.9	--
Total Volatile Organic Compounds	760.97	244.09	32644.3	335.3	100.51	--	--	--	--

Qualifiers:

<: Analyzed but not detected

J: Estimated value

D: Detected at secondary dilution

Notes:

ug/m3: Micrograms per cubic meter

Exceeds the maximum concentration of NYSDOH Table C-1, C-2 or C-5

Exceeds the NYSDOH Air Guideline Value

--:Not calculated or no guideline value

Table 12
Unionport Road, Bronx, NY
Summary of Soil Vapor
Analytical Results
Volatile Organic Compounds

Sample ID	SV-11	SV-12	SV-13	SV-14	SV-15		NYSDOH Table	NYSDOH Table	NYSDOH Table
Sampling Date	6/23/2014	6/25/2014	6/23/2014	6/25/2014	6/26/2014	NYSDOH Air	C-1 Upper	C-2 90th	C-5 95th
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	Guideline Value	Fence	Percentile	Percentile
						ug/m3	Limit(indoor)	Value(indoor)	Value(indoor)
							ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane (TCA)	<0.160	<0.160	<0.160	<0.160	<1.64	--	2.5	20.6	--
1,1-Dichloroethane	<0.400	<0.400	<0.400	<0.400	<4.05	--	0.4	<0.7	--
1,1-Dichloroethene	<0.400	<0.400	<0.400	<0.400	<3.96	--	0.4	<1.4	--
1,2,4-Trimethylbenzene	23.6	0.790 J	1.87 J	264 D	14.8 J	--	9.8	9.5	--
1,2-Dichlorobenzene	<0.600	<0.600	<0.600	<0.600	<6.01	--	0.5	<1.2	--
1,2-Dichloroethane	<0.400	<0.400	<0.400	<0.400	<4.05	--	0.4	<0.9	--
1,2-Dichloropropane	<0.460	<0.460	<0.460	<0.460	<4.62	--	0.4	<1.6	--
1,3,5-Trimethylbenzene	6.39	<0.490	<0.490	69.8	5.41 J	--	3.9	3.7	--
1,3-Dichlorobenzene	<0.600	<0.600	<0.600	<0.600	<6.01	--	0.5	<2.4	--
Benzene	20.4	0.580 J	<0.320	2.91	7.03 J	--	13	9.4	10
Carbon Tetrachloride	0.44	0.44	0.38	0.63	<1.89	--	1.3	<1.3	1.1
Chlorobenzene	<0.460	<0.460	<0.460	<0.460	<4.61	--	0.4	<0.9	--
Chloroethane	<0.260	<0.260	<0.260	<0.260	<2.64	--	0.4	<1.1	--
Chloromethane	1.67	1.78	<0.210	1.53	4.96 J	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<0.400	8.72	<3.96	--	0.4	<1.9	--
Ethylbenzene	16.1	0.480 J	<0.430	16.1	6.52 J	--	6.4	5.7	7.62
m,p-Xylenes	52.1	1.56 J	<0.870	59.5	21.3 J	--	11	22.2	22.2
Methyl tert-Butyl Ether (MTBE)	<0.360	<0.360	<0.360	1.12 J	<3.61	--	14	11.5	36
Methylene Chloride	11.1	1.01 J	20.5	937 D	5.21 J	60	16	10	7.5
Naphthalene	5.24	<0.520	5.77	8.91	5.24 J	--	--	5.1	--
o-Xylene	22.2	0.650 J	0.610 J	30.4	8.25 J	--	7.1	7.9	7.24
Tetrachloroethylene (PCE)	4.48	0.34	65.8	143 D	15596 D	30	2.5	15.9	6.01
Toluene	91.2 D	22.2	5.65	22.6	21.9	--	57	43	39.8
trans-1,2-Dichloroethene	<0.400	<0.400	<0.400	0.990 J	<3.96	--	--	--	--
Trichloroethylene (TCE)	<0.160	<0.160	0.43	2.79	178	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	<0.0800	<0.0800	0.38	<0.770	--	0.4	<1.9	--
Total Volatile Organic Compounds	254.92	29.83	101.01	1570.38	15874.62	--	--	--	--

Qualifiers:

<: Analyzed but not detected

J: Estimated value

D: Detected at secondary dilution

Notes:

ug/m3: Micrograms per cubic meter

Exceeds the maximum concentration of NYSDOH Table C-1, C-2 or C-5

Exceeds the NYSDOH Air Guideline Value

--:Not calculated or no guideline value

Table 12
Unionport Road, Bronx, NY
Summary of Soil Vapor
Analytical Results
Volatile Organic Compounds

Sample ID	SV-16	SV-17	SV-18		NYSDOH Table	NYSDOH Table	NYSDOH Table
Sampling Date	6/25/2014	6/25/2014	6/25/2014	NYSDOH Air	C-1 Upper	C-2 90th	C-5 95th
Units	ug/m3	ug/m3	ug/m3	Guideline Value	Fence	Percentile	Percentile
				ug/m3	Limit(indoor)	Value(indoor)	Value(indoor)
				ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane (TCA)	<0.160	0.6	<0.160	--	2.5	20.6	--
1,1-Dichloroethane	<0.400	<0.400	<0.400	--	0.4	<0.7	--
1,1-Dichloroethene	<0.400	<0.400	<0.400	--	0.4	<1.4	--
1,2,4-Trimethylbenzene	15.2	259 D	65.4 D	--	9.8	9.5	--
1,2-Dichlorobenzene	<0.600	<0.600	<0.600	--	0.5	<1.2	--
1,2-Dichloroethane	<0.400	<0.400	<0.400	--	0.4	<0.9	--
1,2-Dichloropropane	<0.460	<0.460	<0.460	--	0.4	<1.6	--
1,3,5-Trimethylbenzene	4.13	86.0 D	23.6	--	3.9	3.7	--
1,3-Dichlorobenzene	<0.600	<0.600	<0.600	--	0.5	<2.4	--
Benzene	1.98	3.51	9.58	--	13	9.4	10
Carbon Tetrachloride	0.5	0.69	0.57	--	1.3	<1.3	1.1
Chlorobenzene	<0.460	<0.460	<0.460	--	0.4	<0.9	--
Chloroethane	<0.260	0.690 J	<0.260	--	0.4	<1.1	--
Chloromethane	1.84	0.870 J	1.01 J	--	4.2	3.7	--
cis-1,2-Dichloroethylene	<0.400	<0.400	<0.400	--	0.4	<1.9	--
Ethylbenzene	3.26	15.2	46	--	6.4	5.7	7.62
m,p-Xylenes	11.7	61.7	117 D	--	11	22.2	22.2
Methyl tert-Butyl Ether (MTBE)	<0.360	<0.360	<0.360	--	14	11.5	36
Methylene Chloride	6.95	14.6	41.3	60	16	10	7.5
Naphthalene	1.99 J	29.9	16.8	--	--	5.1	--
o-Xylene	5.65	40.8	63.8	--	7.1	7.9	7.24
Tetrachloroethylene (PCE)	3.32	27.8	46.8	30	2.5	15.9	6.01
Toluene	12.1	26.8	99.9 D	--	57	43	39.8
trans-1,2-Dichloroethene	<0.400	<0.400	<0.400	--	--	--	--
Trichloroethylene (TCE)	<0.160	0.21	0.86	5	0.5	4.2	1.36
Vinyl Chloride	<0.0800	0.18	<0.0800	--	0.4	<1.9	--
Total Volatile Organic Compounds	68.62	568.55	532.62	--	--	--	--

Qualifiers:

<: Analyzed but not detected

J: Estimated value

D: Detected at secondary dilution

Notes:

ug/m3: Micrograms per cubic meter

Exceeds the maximum concentration of NYSDOH Table C-1, C-2 or C-5

Exceeds the NYSDOH Air Guideline Value

--:Not calculated or no guideline value

Table 13
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Volatile Organic Compounds

Sample ID	GP-1(0-5)	GP-2(0-5)	GP-3(6-18)	GP-4(0-5)	GP-5(10-12)	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/24/2014	6/24/2014	6/24/2014	6/23/2014	6/23/2014	6/23/2014	6/25/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	0 feet	6 inches	0 feet	10 feet	18 feet	7 feet	12 feet	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	5 feet	18 inches	5 feet	12 feet	20 feet	9 feet	14 feet	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	Objectives (SCOs)	Soil	mg/kg
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/kg
VOLATILE COMPOUNDS											
1,1,1-Trichloroethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.68	--	--
1,1,2,2-Tetrachloroethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	35
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
1,1,2-Trichloroethane	<0.0011	<0.0011	<0.00049	<0.00089	<0.5	<0.00098	<0.001	<0.0012	--	--	--
1,1-Dichloroethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.27	--	--
1,1-Dichloroethene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.33	--	--
1,2,3-Trichlorobenzene	<0.0011	<0.0011	<0.00049	<0.00089	<0.5	<0.00098	<0.001	<0.0012	--	--	--
1,2,4-Trichlorobenzene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
1,2,4-Trimethylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	28.1D	0.0069	<0.00052	<0.00059	3.6	3.6	--
1,2-Dibromo-3-chloropropane	<0.0053	<0.0054	<0.0024	<0.0044	<2.5	<0.0049	<0.0052	<0.0059	--	--	--
1,2-Dibromoethane (EDB)	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
1,2-Dichlorobenzene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	1.1	--	--
1,2-Dichloroethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.02	--	--
1,2-Dichloropropane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
1,3,5-Trimethylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	9.2D	0.0018 J	<0.00052	<0.00059	8.4	8.4	--
1,3-Dichlorobenzene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	2.4	--	--
1,4-Dichlorobenzene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	1.8	--	--
1,4-Dioxane	<0.11	<0.11	<0.0488	<0.0888	<49.7	<0.0984	<0.1	<0.12	0.1	--	--
2-Hexanone	<0.0027	<0.0027	<0.0012	<0.0022	<1.2	<0.0025	<0.0026	<0.003	--	--	--
Acetone	0.0273	0.0434	<0.0012	0.0486	<1.2	0.0241 J	0.0576	<0.003	0.05	--	--
Benzene	<0.00053	<0.00054	<0.00024	<0.00044	7	0.0164	<0.00052	<0.00059	0.06	0.06	--
Bromochloromethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Bromodichloromethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Bromoform	<0.0016	<0.0016	<0.00073	<0.0013	<0.75	<0.0015	<0.0016	<0.0018	--	--	--
Bromomethane	<0.0011	<0.0011	<0.00049	<0.00089	<0.5	<0.00098	<0.001	<0.0012	--	--	--
Carbon disulfide	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	0.0012 J	<0.00059	--	--	100
Carbon tetrachloride	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.76	--	--
Chlorobenzene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	1.1	--	--
Chloroethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Chloroform	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.37	--	--
Chloromethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
cis-1,2-Dichloroethene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.25	--	--
cis-1,3-Dichloropropene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Cyclohexane	<0.00053	<0.00054	<0.00024	<0.00044	5.2D	0.0035 J	<0.00052	<0.00059	--	--	--
Dibromochloromethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Dichlorodifluoromethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Ethylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	7.7D	0.0019 J	<0.00052	<0.00059	1	1	--
Isopropylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	14.3	<0.00049	<0.00052	<0.00059	--	2.3	100
m,p-Xylene	<0.0011	<0.0011	<0.00049	<0.00089	30.6D	0.0072 J	<0.001	<0.0012	0.26	0.26	--
Methyl ethyl ketone (2-Butanone)	<0.008	<0.0082	<0.0037	<0.0067	<3.7	<0.0074	<0.0078	<0.0089	0.12	--	--

See next page for Footnotes/Qualifiers

Table 13
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Volatile Organic Compounds

Sample ID Sampling Date Start Depth End Depth Units	GP-1(0-5) 6/24/2014 0 feet 5 feet mg/Kg	GP-2(0-5) 6/24/2014 0 feet 5 feet mg/Kg	GP-3(6-18) 6/24/2014 6 inches 18 inches mg/Kg	GP-4(0-5) 6/23/2014 0 feet 5 feet mg/Kg	GP-5(10-12) 6/23/2014 10 feet 12 feet mg/Kg	GP-5(18-20) 6/23/2014 18 feet 20 feet mg/Kg	GP-6(7-9) 6/25/2014 7 feet 9 feet mg/kg	GP-6(12-14) 6/25/2014 12 feet 14 feet mg/kg	NYCRR 6 Part375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/Kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/Kg	CP-51 10-10 SCOs Residential Use mg/kg
COMPOUNDS CONTINUED											
Methyl isobutyl ketone	<0.0027	<0.0027	<0.0012	<0.0022	<1.2	<0.0025	<0.0026	<0.003	--	--	--
Methyl Acetate	<0.0011	<0.0011	<0.00049	<0.00089	<0.5	<0.00098	<0.001	<0.0012	--	--	--
Methylcyclohexane	<0.00053	<0.00054	<0.00024	<0.00044	7.6 D	<0.00049	<0.00052	<0.00059	--	--	--
Methylene chloride	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	0.0021 J	<0.00059	0.05	--	--
o-Xylene	<0.00053	<0.00054	<0.00024	<0.00044	5.9 D	0.0018J	<0.00052	<0.00059	0.26	--	--
Styrene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Tert-butyl methyl ether	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	0.0024J	<0.00052	<0.00059	0.93	--	--
Tetrachloroethene	0.0049J	<0.00054	0.0109	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	1.3	--	--
Toluene	<0.00053	<0.00054	<0.00024	<0.00044	3.4	<0.00049	<0.00052	<0.00059	0.7	0.7	--
trans-1,2-Dichloroethene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.19	--	--
trans-1,3-Dichloropropene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	--
Trichloroethene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.47	--	--
Trichlorofluoromethane	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	--	--	100
Vinyl chloride	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	0.02	--	--
Naphthalene	<0.00053	<0.00054	<0.00024	0.0022J	32.3	0.0014J	<0.00052	<0.00059	12	--	--
n-Butylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	12.6	<0.00049	<0.00052	<0.00059	12	12	--
n-Propylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	41.1	<0.00049	<0.00052	<0.00059	3.9	3.9	--
p-Isopropyltoluene (p-Cymene)	<0.00053	<0.00054	<0.00024	<0.00044	3.3	<0.00049	<0.00052	<0.00059	--	10	--
sec-Butylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	5.5	<0.00049	0.0041 J	<0.00059	11	11	--
tert-Butylbenzene	<0.00053	<0.00054	<0.00024	<0.00044	<0.25	<0.00049	<0.00052	<0.00059	5.9	5.9	--
Total Volatile Compounds	0.0322	0.0434	0.0109	0.0508	213.8	0.0674	0.065	0	--	--	--

Footnotes/Qualifiers

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

J: Estimated value

D: Detected at secondary dilution

--: No standard

Exceeds Soil Cleanup Criteria

Table 13
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Volatile Organic Compounds

Sample ID Sampling Date Start Depth End Depth Units	GP-7(9-11) 6/25/2014 9 feet 11 feet mg/kg	GP-7(14-16) 6/25/2014 14 feet 16 feet mg/kg	GP-8(6-18) 6/24/2014 6 inches 18 inches mg/Kg	GP-9(0-5) 6/25/2014 0 feet 5 feet mg/kg	GP-10(6-19) 6/23/2014 6 inches 19 inches mg/Kg	GP-11(6-23) 6/23/2014 6 inches 23 inches mg/Kg	GP-12(0-5) 6/24/2014 0 feet 5 feet mg/Kg	NYCRR 6 Part375 Unrestricted Use Soil Cleanup Objectives (SCOs) mg/Kg	CP-51 Soil Cleanup Levels Fuel Oil Contaminated Soil mg/Kg	CP-51 10-10 SCOs Residential Use mg/kg
VOLATILE COMPOUNDS										
1,1,1-Trichloroethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.68	--	--
1,1,2,2-Tetrachloroethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	35
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
1,1,2-Trichloroethane	<0.00088	<0.00082	<0.00052	<0.00094	<0.00049	<0.00053	<0.0011	--	--	--
1,1-Dichloroethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.27	--	--
1,1-Dichloroethene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.33	--	--
1,2,3-Trichlorobenzene	<0.00088	<0.00082	<0.00052	<0.00094	<0.00049	<0.00053	<0.0011	--	--	--
1,2,4-Trichlorobenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
1,2,4-Trimethylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	3.6	3.6	--
1,2-Dibromo-3-chloropropane	<0.0044	<0.0041	<0.0026	<0.0047	<0.0024	<0.0026	<0.0056	--	--	--
1,2-Dibromoethane (EDB)	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
1,2-Dichlorobenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	1.1	--	--
1,2-Dichloroethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.02	--	--
1,2-Dichloropropane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
1,3,5-Trimethylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	8.4	8.4	--
1,3-Dichlorobenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	2.4	--	--
1,4-Dichlorobenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	1.8	--	--
1,4-Dioxane	<0.0883	<0.0817	<0.0524	<0.0943	<0.0489	<0.0527	<0.11	0.1	--	--
2-Hexanone	<0.0022	<0.002	<0.0013	<0.0024	<0.0012	<0.0013	<0.0028	--	--	--
Acetone	0.0062 J	0.0066 J	<0.0013	0.0087 J	<0.0012	<0.0013	0.007 J	0.05	--	--
Benzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.06	0.06	--
Bromochloromethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Bromodichloromethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Bromoform	<0.0013	<0.0012	<0.00079	<0.0014	<0.00073	<0.00079	<0.0017	--	--	--
Bromomethane	<0.00088	<0.00082	<0.00052	<0.00094	<0.00049	<0.00053	<0.0011	--	--	--
Carbon disulfide	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	100
Carbon tetrachloride	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.76	--	--
Chlorobenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	1.1	--	--
Chloroethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Chloroform	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.37	--	--
Chloromethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
cis-1,2-Dichloroethene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.25	--	--
cis-1,3-Dichloropropene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Cyclohexane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Dibromochloromethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Dichlorodifluoromethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Ethylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	1	1	--
Isopropylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	2.3	100
m,p-Xylene	<0.00088	<0.00082	<0.00052	<0.00094	<0.00049	<0.00053	<0.0011	0.26	0.26	--
Methyl ethyl ketone (2-Butanone)	<0.0066	<0.0061	<0.0039	<0.0071	<0.0037	<0.004	<0.0084	0.12	--	--

See next page for Footnotes/Qualifiers

Table 13
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Volatile Organic Compounds

Sample ID	GP-7(9-11)	GP-7(14-16)	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/25/2014	6/25/2014	6/24/2014	6/25/2014	6/23/2014	6/23/2014	6/24/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	9 feet	14 feet	6 inches	0 feet	6 inches	6 inches	0 feet	Use Soil	Levels Fuel Oil	Residential
End Depth	11 feet	16 feet	18 inches	5 feet	19 inches	23 inches	5 feet	Cleanup	Contaminated	Use
Units	mg/kg	mg/kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
	mg/Kg	mg/Kg						mg/Kg	mg/Kg	
COMPOUNDS CONTINUED										
Methyl isobutyl ketone	<0.0022	<0.002	<0.0013	<0.0024	<0.0012	<0.0013	<0.0028	--	--	--
Methyl Acetate	<0.00088	<0.00082	<0.00052	<0.00094	<0.00049	<0.00053	<0.0011	--	--	--
Methylcyclohexane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Methylene chloride	<0.00044	0.0012 J	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.05	--	--
o-Xylene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.26	--	--
Styrene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Tert-butyl methyl ether	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.93	--	--
Tetrachloroethene	<0.00044	<0.00041	3.3 D	0.0011 J	<0.00024	0.00097J	<0.00056	1.3	--	--
Toluene	<0.00044	<0.00041	0.00063J	<0.00047	<0.00024	<0.00026	<0.00056	0.7	0.7	--
trans-1,2-Dichloroethene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.19	--	--
trans-1,3-Dichloropropene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	--
Trichloroethene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.47	--	--
Trichlorofluoromethane	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	--	100
Vinyl chloride	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	0.02	--	--
Naphthalene	<0.00044	<0.00041	<0.00026	0.001 J	<0.00024	<0.00026	<0.00056	12	--	--
n-Butylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	12	12	--
n-Propylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	3.9	3.9	--
p-Isopropyltoluene (p-Cymene)	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	--	10	--
sec-Butylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	11	11	--
tert-Butylbenzene	<0.00044	<0.00041	<0.00026	<0.00047	<0.00024	<0.00026	<0.00056	5.9	5.9	--
Total Volatile Compounds	0.0062	0.0078	3.30063	0.0108	0	0.00097	0.007	--	--	--

Footnotes/Qualifiers

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

J: Estimated value

D: Detected at secondary dilution

--: No standard

Exceeds Soil Cleanup Criteria

Table 13
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Volatile Organic Compounds

Sample ID	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	18 feet	6 inches	6 inches	0 feet	0 feet	6 inches	10 inches	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	23 feet	18 inches	20 inches	5 feet	5 feet	18 inches	24 inches	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg
VOLATILE COMPOUNDS											
1,1,1-Trichloroethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.68	--	--
1,1,2,2-Tetrachloroethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	35
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
1,1,2-Trichloroethane	<0.00097	<0.0206	<0.00033	<0.00045	<0.00094	<0.001	<0.00032	<0.00037	--	--	--
1,1-Dichloroethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.27	--	--
1,1-Dichloroethene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.33	--	--
1,2,3-Trichlorobenzene	<0.00097	<0.0206	<0.00033	<0.00045	<0.00094	<0.001	<0.00032	<0.00037	--	--	--
1,2,4-Trichlorobenzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
1,2,4-Trimethylbenzene	<0.00049	33.6 D	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	3.6	3.6	--
1,2-Dibromo-3-chloropropane	<0.0049	<0.100	<0.0017	<0.0022	<0.0047	<0.0052	<0.0016	<0.0018	--	--	--
1,2-Dibromoethane (EDB)	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
1,2-Dichlorobenzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	0.002	1.1	--	--
1,2-Dichloroethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.02	--	--
1,2-Dichloropropane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
1,3,5-Trimethylbenzene	<0.00049	11.0 D	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	8.4	8.4	--
1,3-Dichlorobenzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	2.4	--	--
1,4-Dichlorobenzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	1.8	--	--
1,4-Dioxane	<0.0972	<2.10	<0.033	<0.0449	<0.0936	<0.1	<0.032	<0.037	0.1	--	--
2-Hexanone	<0.0024	<0.0515	<0.00083	<0.0011	<0.0023	<0.0026	<0.0008	<0.00092	--	--	--
Acetone	0.0103 J	<0.0515	0.0226	<0.0011	0.0068 J	0.0109 J	<0.0008	<0.00092	0.05	--	--
Benzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.06	0.06	--
Bromochloromethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Bromodichloromethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Bromoform	<0.0015	<0.0309	<0.0005	<0.00067	<0.0014	<0.0016	<0.00048	<0.00055	--	--	--
Bromomethane	<0.00097	<0.0206	<0.00033	<0.00045	<0.00094	<0.001	<0.00032	<0.00037	--	--	--
Carbon disulfide	<0.00049	<0.0103	0.00084 J	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	100
Carbon tetrachloride	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.76	--	--
Chlorobenzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	1.1	--	--
Chloroethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Chloroform	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.37	--	--
Chloromethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
cis-1,2-Dichloroethene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.25	--	--
cis-1,3-Dichloropropene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Cyclohexane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Dibromochloromethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Dichlorodifluoromethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Ethylbenzene	<0.00049	13.5 D	<0.00017	<0.00022	<0.00047	0.0011 J	<0.00016	<0.00018	1	1	--
Isopropylbenzene	<0.00049	1.5	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	2.3	100
m,p-Xylene	<0.00097	43.8 D	<0.00033	<0.00045	<0.00094	0.0019 J	<0.00032	<0.00037	0.26	0.26	--
Methyl ethyl ketone (2-Butanone)	<0.0073	<0.150	<0.0025	<0.0034	<0.007	<0.0078	<0.0024	<0.0028	0.12	--	--

See next page for Footnotes/Qualifiers

Table 13
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Volatile Organic Compounds

Sample ID	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	18 feet	6 inches	6 inches	0 feet	0 feet	6 inches	10 inches	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	23 feet	18 inches	20 inches	5 feet	5 feet	18 inches	24 inches	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg
COMPOUNDS CONTINUED											
Methyl isobutyl ketone	<0.0024	<0.0515	<0.00083	<0.0011	<0.0023	<0.0026	<0.0008	<0.00092	--	--	--
Methyl Acetate	<0.00097	<0.0206	<0.00033	<0.00045	<0.00094	<0.001	<0.00032	<0.00037	--	--	--
Methylcyclohexane	<0.00049	1.3	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Methylene chloride	<0.00049	<0.0103	0.0018	<0.00022	<0.00047	0.0013 J	<0.00016	0.0016J	0.05	--	--
o-Xylene	<0.00049	12.7 D	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.26	--	--
Styrene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Tert-butyl methyl ether	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.93	--	--
Tetrachloroethene	0.0021J	<0.0103	0.0013J	0.022	<0.00047	0.0041 J	<0.00016	0.13 D	1.3	--	--
Toluene	<0.00049	0.16	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.7	0.7	--
trans-1,2-Dichloroethene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.19	--	--
trans-1,3-Dichloropropene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	--
Trichloroethene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	0.00094 J	0.47	--	--
Trichlorofluoromethane	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	--	100
Vinyl chloride	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	0.02	--	--
Naphthalene	<0.00049	5.70 D	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	12	--	--
n-Butylbenzene	<0.00049	2.30 D	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	12	12	--
n-Propylbenzene	<0.00049	6.80 D	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	3.9	3.9	--
p-Isopropyltoluene (p-Cymene)	<0.00049	0.51	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	--	10	--
sec-Butylbenzene	<0.00049	1.3	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	11	11	--
tert-Butylbenzene	<0.00049	<0.0103	<0.00017	<0.00022	<0.00047	<0.00052	<0.00016	<0.00018	5.9	5.9	--
Total Volatile Compounds	0.0124	134.17	0.02654	0.022	0.0068	0.0193	0	0.13454	--	--	--

Footnotes/Qualifiers

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

J: Estimated value

D: Detected at secondary dilution

--: No standard

Exceeds Soil Cleanup Criteria

Table 14

Unionport Road, Bronx, NY
Summary of Soil Analytical ResultsSemi-Volatile Organic Compounds

Sample ID	GP-1(0-5)	GP-2(0-5)	GP-3(6-18)	GP-4(0-5)	GP-5(10-12)	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	GP-7(9-11)	GP-7(14-16)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/24/2014	6/24/2014	6/24/2014	6/23/2014	6/23/2014	6/23/2014	6/25/2014	6/25/2014	6/25/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	0 feet	6 inches	0 feet	10 feet	18 feet	7 feet	12 feet	9 feet	14 feet	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	5 feet	18 inches	5 feet	12 feet	20 feet	9 feet	14 feet	11 feet	16 feet	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
											mg/Kg	mg/Kg	
SEMIVOLATILE COMPOUNDS													
2,4,5-Trichlorophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
2,4,6-Trichlorophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
2,4-Dichlorophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
2,4-Dimethylphenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
2,4-Dinitrophenol	<3	<0.61	<0.31	<0.58	<0.32	<0.32	<0.33	<0.36	<0.31	<0.3	--	--	100
2,4-Dinitrotoluene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
2,6-Dinitrotoluene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	1
2-Chloronaphthalene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
2-Chlorophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
2-Methylnaphthalene	<0.37	<0.0767	<0.0383	<0.0726	0.64	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	0.41
2-Methylphenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.33	--	--
2-Nitroaniline	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
2-Nitrophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
3,3-Dichlorobenzidine	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
3-Nitroaniline	<0.74	<0.15	<0.0767	<0.15	<0.0804	<0.0812	<0.0814	<0.0912	<0.0767	<0.074	--	--	--
4,6-Dinitro-2-methylphenol	<1.9	<0.38	<0.19	<0.36	<0.2	<0.2	<0.2	<0.23	<0.19	<0.19	--	--	--
4-Bromophenyl-phenylether	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
4-Chloro-3-methylphenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
4-Chloroaniline	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
4-Chlorophenylphenyl ether	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
4-Nitroaniline	<0.74	<0.15	<0.0767	<0.15	<0.0804	<0.0812	<0.0814	<0.0912	<0.0767	<0.074	--	--	--
4-Nitrophenol	<1.9	<0.38	<0.19	<0.36	<0.2	<0.2	<0.2	<0.23	<0.19	<0.19	--	--	--
Acenaphthene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	20	20	--
Acenaphthylene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	100	100	--
Acetophenone	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Anthracene	<0.37	<0.0767	<0.0383	0.22 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	100	100	--
Benzo(a)anthracene	0.91 J	0.67 J	0.36 J	0.58 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Benzo(a)pyrene	0.79 J	0.62 J	0.32 J	0.51 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Benzo(b)fluoranthene	1 J	0.79	0.37 J	0.55 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Benzo(ghi)perylene	0.9 J	0.44 J	0.23 J	0.32 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	100	100	--
Benzo(k)fluoranthene	<0.37	0.26 J	0.19 J	0.29 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.8	0.8	--
Benzyl butyl phthalate	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Bis(2-chloroethoxy)methane	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Bis(2-chloroethyl)ether	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Bis(2-chloroisopropyl)ether	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	<0.37	<0.0767	0.28 J	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	0.17 J	<0.037	--	--	50
Carbazole	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Chrysene	0.8 J	0.66 J	0.31 J	0.56 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	1	1	--
Cresols, M&P	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.33	--	--
Dibenzo(a,h)anthracene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.33	0.33	--

See next page for Footnotes/Qualifiers

Table 14

Unionport Road, Bronx, NY
Summary of Soil Analytical ResultsSemi-Volatile Organic Compounds

Sample ID	GP-1(0-5)	GP-2(0-5)	GP-3(6-18)	GP-4(0-5)	GP-5(10-12)	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	GP-7(9-11)	GP-7(14-16)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/24/2014	6/24/2014	6/24/2014	6/23/2014	6/23/2014	6/23/2014	6/25/2014	6/25/2014	6/25/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	0 feet	6 inches	0 feet	10 feet	18 feet	7 feet	12 feet	9 feet	14 feet	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	5 feet	18 inches	5 feet	12 feet	20 feet	9 feet	14 feet	11 feet	16 feet	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg
COMPOUNDS CONTINUED													
Dibenzofuran	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	7	--	--
Diethyl phthalate	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
Dimethyl phthalate	<0.37	0.74 J	0.66	0.46 J	0.95	0.82	0.78	0.5	0.86	0.93	--	--	100
Di-n-butyl phthalate	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
Di-n-octyl phthalate	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
Fluoranthene	1.4 J	1.3	0.61	1.1	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	100	100	--
Fluorene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	30	30	--
Hexachlorobenzene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.33	--	0.41
Hexachlorobutadiene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Hexachlorocyclopentadiene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Hexachloroethane	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Indeno(1,2,3-cd)pyrene	<0.37	0.36 J	0.19 J	0.28 J	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.5	0.5	--
Isophorone	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	100
Naphthalene	<0.37	<0.0767	<0.0383	<0.0726	0.56	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	12	12	--
Nitrobenzene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	3.7
N-Nitroso-di-n-propylamine	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
N-Nitrosodiphenylamine	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Pentachlorophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.8	--	--
Phenanthrene	0.81 J	0.53 J	0.24 J	0.77	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	100	100	--
Phenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	0.33	--	--
Pyrene	1.2 J	1.1	0.52	0.96	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	100	100	--
1,1-Biphenyl	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
1,2,4,5-Tetrachlorobenzene	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
2,3,4,6-Tetrachlorophenol	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Atrazine	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Benzaldehyde	<0.37	<0.0767	<0.0383	<0.0726	<0.0402	<0.0406	<0.0407	<0.0456	<0.0384	<0.037	--	--	--
Caprolactam	<0.74	<0.15	<0.0767	<0.15	<0.0804	<0.0812	<0.0814	<0.0912	<0.0767	<0.074	--	--	--
Total Semivolatile Compounds	7.81	7.47	4.28	6.6	2.15	0.82	0.78	0.5	1.03	0.93	--	--	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard

Exceeds Soil Cleanup Criteria

Table 14
Unionport Road, Bronx, NY
Summary of Soil Analytical ResultsSemi-Volatile Organic Compounds

Sample ID	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/24/2014	6/25/2014	6/23/2014	6/23/2014	6/24/2014	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	6 inches	0 feet	6 inches	6 inches	0 feet	0 feet	18 feet	6 inches	6 inches	0 feet	Use Soil	Levels Fuel Oil	Residential
End Depth	18 inches	5 feet	19 inches	23 inches	5 feet	5 feet	23 feet	18 inches	20 inches	5 feet	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/kg	Objectives (SCOs)	Soil	mg/kg
											mg/Kg	mg/Kg	mg/kg
SEMIVOLATILE COMPOUNDS													
2,4,5-Trichlorophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
2,4,6-Trichlorophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
2,4-Dichlorophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
2,4-Dimethylphenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	0.0896 J	<0.0391	<0.0383	<0.037	--	--	--
2,4-Dinitrophenol	<0.33	<0.29	<0.33	<0.32	<0.3	<0.31	<310	<0.31	<0.31	<0.3	--	--	100
2,4-Dinitrotoluene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
2,6-Dinitrotoluene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	1
2-Chloronaphthalene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
2-Chlorophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
2-Methylnaphthalene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	0.75	<0.0391	<0.0383	<0.037	--	--	0.41
2-Methylphenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.33	--	--
2-Nitroaniline	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
2-Nitrophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
3,3-Dichlorobenzidine	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
3-Nitroaniline	<0.0819	<0.0732	<0.0822	<0.0789	<0.0756	<0.0775	<0.0769	<0.0781	<0.0766	<0.074	--	--	--
4,6-Dinitro-2-methylphenol	<0.2	<0.18	<0.21	<0.2	<0.19	<0.19	<0.190	<0.2	<0.19	<0.18	--	--	--
4-Bromophenyl-phenylether	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
4-Chloro-3-methylphenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
4-Chloroaniline	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
4-Chlorophenylphenyl ether	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
4-Nitroaniline	<0.0819	<0.0732	<0.0822	<0.0789	<0.0756	<0.0775	<0.0769	<0.0781	<0.0766	<0.074	--	--	--
4-Nitrophenol	<0.2	<0.18	<0.21	<0.2	<0.19	<0.19	<0.190	<0.2	<0.19	<0.18	--	--	--
Acenaphthene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	20	20	--
Acenaphthylene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	100	100	--
Acetophenone	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Anthracene	0.16 J	<0.0366	0.11 J	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	100	100	--
Benzo(a)anthracene	0.51	<0.0366	0.58	<0.0394	<0.0378	0.4	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Benzo(a)pyrene	0.4 J	<0.0366	0.47	<0.0394	<0.0378	0.42	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Benzo(b)fluoranthene	0.48	<0.0366	0.53	<0.0394	<0.0378	0.49	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Benzo(ghi)perylene	0.28 J	<0.0366	0.37 J	<0.0394	<0.0378	0.3 J	<0.0384	<0.0391	<0.0383	<0.037	100	100	--
Benzo(k)fluoranthene	0.2 J	<0.0366	0.27 J	<0.0394	<0.0378	0.23 J	<0.0384	<0.0391	<0.0383	<0.037	0.8	0.8	--
Benzyl butyl phthalate	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Bis(2-chloroethoxy)methane	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Bis(2-chloroethyl)ether	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Bis(2-chloroisopropyl)ether	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	0.35 J	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	0.96	<0.0383	<0.037	--	--	50
Carbazole	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Chrysene	0.47	<0.0366	0.56	<0.0394	<0.0378	0.36 J	<0.0384	<0.0391	<0.0383	<0.037	1	1	--
Cresols, M&P	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.33	--	--
Dibenzo(a,h)anthracene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.33	0.33	--

See next page for Footnotes/Qualifi

Table 14
Unionport Road, Bronx, NY
Summary of Soil Analytical ResultsSemi-Volatile Organic Compounds

Sample ID	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/24/2014	6/25/2014	6/23/2014	6/23/2014	6/24/2014	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	6 inches	0 feet	6 inches	6 inches	0 feet	0 feet	18 feet	6 inches	6 inches	0 feet	Use Soil	Levels Fuel Oil	Residential
End Depth	18 inches	5 feet	19 inches	23 inches	5 feet	5 feet	23 feet	18 inches	20 inches	5 feet	Cleanup	Contaminated	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/kg	Objectives (SCOs)	Soil	mg/kg
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/kg
COMPOUNDS CONTINUED													
Dibenzofuran	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	7	--	--
Diethyl phthalate	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
Dimethyl phthalate	0.59	0.61	0.65	0.54	0.57	0.72	0.51	0.76	0.57	0.54	--	--	100
Di-n-butyl phthalate	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
Di-n-octyl phthalate	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
Fluoranthene	0.92	0.14 J	0.97	<0.0394	<0.0378	0.63	<0.0384	<0.0391	0.0973 J	<0.037	100	100	--
Fluorene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	0.0841 J	<0.0383	<0.037	30	30	--
Hexachlorobenzene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.33	--	0.41
Hexachlorobutadiene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Hexachlorocyclopentadiene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Hexachloroethane	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Indeno(1,2,3-cd)pyrene	0.25 J	<0.0366	0.3 J	<0.0394	<0.0378	0.26 J	<0.0384	<0.0391	<0.0383	<0.037	0.5	0.5	--
Isophorone	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	100
Naphthalene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	0.71	<0.0391	<0.0383	<0.037	12	12	--
Nitrobenzene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	3.7
N-Nitroso-di-n-propylamine	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
N-Nitrosodiphenylamine	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Pentachlorophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.8	--	--
Phenanthrene	0.8	0.11 J	0.74	<0.0394	<0.0378	0.18 J	<0.0384	<0.0391	<0.0383	<0.037	100	100	--
Phenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	0.33	--	--
Pyrene	0.88	0.0922 J	0.98	<0.0394	<0.0378	0.6	<0.0384	0.28 J	<0.0383	<0.037	100	100	--
1,1-Biphenyl	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0387	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
1,2,4,5-Tetrachlorobenzene	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
2,3,4,6-Tetrachlorophenol	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Atrazine	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Benzaldehyde	<0.041	<0.0366	<0.0411	<0.0394	<0.0378	<0.0388	<0.0384	<0.0391	<0.0383	<0.037	--	--	--
Caprolactam	<0.0819	<0.0732	<0.0822	<0.0789	<0.0756	<0.0775	<0.0769	<0.0781	<0.0766	<0.074	--	--	--
Total Semivolatile Compounds	6.29	0.9522	6.53	0.54	0.57	4.59	2.0596	2.0841	0.6673	0.54	--	--	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram
 <: Analyzed for but not detected
 J: Estimated value
 --: No standard

Exceeds Soil Cleanup Criteria

Table 14
Unionport Road, Bronx, NY
Summary of Soil Analytical Results Semi-Volatile Organic Compounds

Sample ID	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/26/2014	6/26/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	6 inches	10 inches	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	18 inches	24 inches	Cleanup	Contaminated	Use
Units	mg/kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
				mg/Kg	mg/Kg	
SEMIVOLATILE COMPOUNDS						
2,4,5-Trichlorophenol	<0.2	<0.0397	<0.0419	--	--	100
2,4,6-Trichlorophenol	<0.2	<0.0397	<0.0419	--	--	--
2,4-Dichlorophenol	<0.2	<0.0397	<0.0419	--	--	100
2,4-Dimethylphenol	<0.2	<0.0397	<0.0419	--	--	--
2,4-Dinitrophenol	<1.6	<0.32	<0.34	--	--	100
2,4-Dinitrotoluene	<0.2	<0.0397	<0.0419	--	--	--
2,6-Dinitrotoluene	<0.2	<0.0397	<0.0419	--	--	1
2-Chloronaphthalene	<0.2	<0.0397	<0.0419	--	--	--
2-Chlorophenol	<0.2	<0.0397	<0.0419	--	--	100
2-Methylnaphthalene	<0.2	<0.0397	<0.0419	--	--	0.41
2-Methylphenol	<0.2	<0.0397	<0.0419	0.33	--	--
2-Nitroaniline	<0.2	<0.0397	<0.0419	--	--	--
2-Nitrophenol	<0.2	<0.0397	<0.0419	--	--	--
3,3-Dichlorobenzidine	<0.2	<0.0397	<0.0419	--	--	--
3-Nitroaniline	<0.4	<0.0795	<0.0838	--	--	--
4,6-Dinitro-2-methylphenol	<1	<0.2	<0.21	--	--	--
4-Bromophenyl-phenylether	<0.2	<0.0397	<0.0419	--	--	--
4-Chloro-3-methylphenol	<0.2	<0.0397	<0.0419	--	--	--
4-Chloroaniline	<0.2	<0.0397	<0.0419	--	--	100
4-Chlorophenylphenyl ether	<0.2	<0.0397	<0.0419	--	--	--
4-Nitroaniline	<0.4	<0.0795	<0.0838	--	--	--
4-Nitrophenol	<1	<0.2	<0.21	--	--	--
Acenaphthene	0.56 J	<0.0397	<0.0419	20	20	--
Acenaphthylene	0.47 J	<0.0397	<0.0419	100	100	--
Acetophenone	<0.2	<0.0397	<0.0419	--	--	--
Anthracene	1.7 J	<0.0397	<0.0419	100	100	--
Benzo(a)anthracene	6.5	0.3 J	<0.0419	1	1	--
Benzo(a)pyrene	5	0.31 J	<0.0419	1	1	--
Benzo(b)fluoranthene	5.8	0.4	<0.0419	1	1	--
Benzo(ghi)perylene	3.3	0.23 J	<0.0419	100	100	--
Benzo(k)fluoranthene	2.7	0.15 J	<0.0419	0.8	0.8	--
Benzyl butyl phthalate	<0.2	<0.0397	<0.0419	--	--	--
Bis(2-chloroethoxy)methane	<0.2	<0.0397	<0.0419	--	--	--
Bis(2-chloroethyl)ether	<0.2	<0.0397	<0.0419	--	--	--
Bis(2-chloroisopropyl)ether	<0.2	<0.0397	<0.0419	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	<0.2	0.0874 J	0.18 J	--	--	50
Carbazole	0.51 J	<0.0397	<0.0419	--	--	--
Chrysene	5.3	0.33 J	<0.0419	1	1	--
Cresols, M&P	<0.2	<0.0397	<0.0419	0.33	--	--
Dibenzo(a,h)anthracene	0.76 J	<0.0397	<0.0419	0.33	0.33	--

See next page for Footnotes/Qualifi

Table 14
Unionport Road, Bronx, NY
Summary of Soil Analytical Results Semi-Volatile Organic Compounds

Sample ID	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)	NYCRR 6 Part375	CP-51	CP-51 10-10
Sampling Date	6/26/2014	6/26/2014	6/25/2014	Unrestricted	Soil Cleanup	SCOs
Start Depth	0 feet	6 inches	10 inches	Use Soil	Levels Fuel Oil	Residential
End Depth	5 feet	18 inches	24 inches	Cleanup	Contaminated	Use
Units	mg/kg	mg/Kg	mg/Kg	Objectives (SCOs)	Soil	mg/kg
				mg/Kg	mg/Kg	
COMPOUNDS CONTINUED						
Dibenzofuran	<0.2	<0.0397	<0.0419	7	--	--
Diethyl phthalate	<0.2	<0.0397	<0.0419	--	--	100
Dimethyl phthalate	0.46 J	0.71	0.69	--	--	100
Di-n-butyl phthalate	<0.2	<0.0397	<0.0419	--	--	100
Di-n-octyl phthalate	<0.2	<0.0397	<0.0419	--	--	100
Fluoranthene	11.9	0.52	<0.0419	100	100	--
Fluorene	0.49 J	<0.0397	<0.0419	30	30	--
Hexachlorobenzene	<0.2	<0.0397	<0.0419	0.33	--	0.41
Hexachlorobutadiene	<0.2	<0.0397	<0.0419	--	--	--
Hexachlorocyclopentadiene	<0.2	<0.0397	<0.0419	--	--	--
Hexachloroethane	<0.2	<0.0397	<0.0419	--	--	--
Indeno(1,2,3-cd)pyrene	3.1	0.19 J	<0.0419	0.5	0.5	--
Isophorone	<0.2	<0.0397	<0.0419	--	--	100
Naphthalene	<0.2	<0.0397	<0.0419	12	12	--
Nitrobenzene	<0.2	<0.0397	<0.0419	--	--	3.7
N-Nitroso-di-n-propylamine	<0.2	<0.0397	<0.0419	--	--	--
N-Nitrosodiphenylamine	<0.2	<0.0397	<0.0419	--	--	--
Pentachlorophenol	<0.2	<0.0397	<0.0419	0.8	--	--
Phenanthrene	6.7	0.21 J	<0.0419	100	100	--
Phenol	<0.2	<0.0397	<0.0419	0.33	--	--
Pyrene	9.4	0.47	<0.0419	100	100	--
1,1-Biphenyl	<0.2	<0.0397	<0.0419	--	--	--
1,2,4,5-Tetrachlorobenzene	<0.2	<0.0397	<0.0419	--	--	--
2,3,4,6-Tetrachlorophenol	<0.2	<0.0397	<0.0419	--	--	--
Atrazine	<0.2	<0.0397	<0.0419	--	--	--
Benzaldehyde	<0.2	<0.0397	<0.0419	--	--	--
Caprolactam	<0.4	<0.0795	<0.0838	--	--	--
Total Semivolatile Compounds	64.65	3.9074	0.87	--	--	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard

Exceeds Soil Cleanup Criteria

Table 15
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Metals, Petroleum Hydrocarbons Analyses and Conventional Chemistry Parameters

Sample ID	GP-1(0-5)	GP-2(0-5)	GP-3(6-18)	GP-4(0-5)	GP-5(10-12)	GP-5(18-20)	GP-6(7-9)	GP-6(12-14)	GP-7(9-11)	NYCRR 6 Part375	CP-51 10-10
Sampling Date	6/24/2014	6/24/2014	6/24/2014	6/23/2014	6/23/2014	6/23/2014	6/25/2014	6/25/2014	6/25/2014	Unrestricted	SCOs
Start Depth	0 feet	0 feet	6 inches	0 feet	10 feet	18 feet	7 feet	12 feet	9 feet	Use Soil	Residential
End Depth	5 feet	5 feet	18 inches	5 feet	12 feet	20 feet	9 feet	14 feet	11 feet	Cleanup	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Objectives (SCOs)	mg/kg
Metals											
Antimony	4.52	<1.17	0.680 J	<1.16	<1.31	<1.25	0.627 J	1.08 J	<1.22	--	--
Arsenic	8.1	3.97	7.81	5.18	1.88	0.473 J	3.08	1.44	3.46	13	--
Barium	172	100	286	154	73.7	7.86	68.4	167	113	350	--
Beryllium	0.506	0.66	0.754	0.595	0.629	1.59	0.773	5.08	0.526	7.2	--
Cadmium	0.608	<0.141	0.679	<0.139	<0.157	<0.150	<0.158	0.384	<0.147	2.5	--
Chromium	20.1	22.3	28.3	24.1	31.6	70.2	28.9	102	20.9	30	--
Cobalt	9.91	14.2	17	11.5	13	5.05	15.4	47	9.88	--	30
Copper	146	39.3	82.6	52.3	21.8	34.4	25.3	14.3	26.2	50	--
Lead	508	116	461	232	11.4	19.4	26.2	16.2	71.1	63	--
Manganese	277	381	398	306 D	249	359	277	596	184	1600	--
Mercury	0.184	0.168	0.0060 J	0.15	0.023	<0.0060	0.074	0.014	0.118	0.18	--
Nickel	28.3	24.5	31.2	20.9	21.8	8.38	23.5	80.8	19.8	30	--
Selenium	1.51	1.3	1.96	1.37	1.4	0.828 J	1.46	2.16	0.877 J	3.9	--
Silver	1.54	0.821	2.27	0.925	0.755	0.886	1.28	1.77	0.746	2	--
Thallium	<0.930	<0.938	<0.934	<0.929	<1.05	<1.00	<1.06	<1.19	<0.977	--	--
Vanadium	26	32.4	36.5	32.9	37.5	43.4	37.2	49	25.7	--	100
Zinc	385	112	447	215	55.1	18.9	61.3	191	109	109	--
Petroleum Hydrocarbons Analyses											
Gasoline Range Organics (GRO)	--	--	<0.025	--	--	--	--	--	0.026 J	--	--
Diesel Range Organics	--	--	310.52	--	--	--	--	--	4.79	--	--
Conventional Chemistry Parameters											
Cyanide	<0.130	<0.134	1.82	<0.128	<0.146	<0.150	<0.146	<0.162	<0.134	27	--
Hexavalent Chromium	<0.216	0.0910 J	<0.229	0.0870 J	<0.240	0.674	0.0960 J	0.488 J	0.360 J	1	--
Reactive Cyanide	--	--	<0.0500	--	--	--	--	--	<0.0500	--	--
Reactive Sulfide	--	--	11	--	--	--	--	--	27	--	--
Ignitability	--	--	NO	--	--	--	--	--	NO	--	--
Corrosivity	--	--	8.75	--	--	--	--	--	8.79	--	--
TCLP (mg/L)											
Chromium	--	--	--	--	--	--	--	0.025	--	5	--
Lead	0.62	0.104	0.0905	0.188	--	--	--	--	--	5	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

--: No standard

J: Estimated value

D: Detected at secondary dilution

Exceeds Soil Cleanup Criteria

Table 15
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Metals, Petroleum Hydrocarbons Analyses and Conventional Chemistry Parameters

Sample ID	GP-7(14-16)	GP-8(6-18)	GP-9(0-5)	GP-10(6-19)	GP-11(6-23)	GP-12(0-5)	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	NYCRR 6 Part375	CP-51 10-10
Sampling Date	6/25/2014	6/24/2014	6/25/2014	6/23/2014	6/23/2014	6/24/2014	6/23/2014	6/30/2014	6/25/2014	Unrestricted	SCOs
Start Depth	14 feet	6 inches	0 feet	6 inches	6 inches	0 feet	0 feet	18 feet	6 inches	Use Soil	Residential
End Depth	16 feet	18 inches	5 feet	19 inches	23 inches	5 feet	5 feet	23 feet	18 inches	Cleanup	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Objectives (SCOs)	mg/kg
Metals											
Antimony	<1.15	0.883 J	<1.16	<1.27	<1.21	<1.19	<1.19	<1.20	1.00 J	--	--
Arsenic	1.2	22.6	3.94	5.79	4.14	2.82	4.43	2.25	3.61	13	--
Barium	84.4	1410	359	104	47.1	91.4	142	33.8	68.6	350	--
Beryllium	0.58	0.906	0.595	0.74	0.686	0.632	0.669	0.54	1.63	7.2	--
Cadmium	<0.138	5.77	0.224 J	<0.152	<0.145	<0.143	<0.143	<0.144	0.179 J	2.5	--
Chromium	18.3	60.1	28.6	22.5	20.4	24.7	29.2	14.9	21.1	30	--
Cobalt	19.6	13.3	11	13.1	7.39	25.2	12.4	9.04	75.1	--	30
Copper	28.5	82.5	29.9	28.8	7.86	25	36.2	27.1	61.1	50	--
Lead	36.4	1060	827	405	9.84	20.6	151	11.1	11.4	63	--
Manganese	582	644	288	512	264	658	374	194	1580	1600	--
Mercury	<0.0050	0.382	0.239	0.269	0.039	0.029	0.258	0.0100 J	0.0100 J	0.18	--
Nickel	25.8	34.5	25	21	13.3	26.4	25.6	24.8	73.3	30	--
Selenium	0.898 J	2.74	0.729 J	1.9	1.55	1.52	1.18	0.716 J	2.03	3.9	--
Silver	0.765	2.6	0.807	1.21	1.1	1.14	1.3	0.791	2.12	2	--
Thallium	<0.922	<1.02	<0.926	<1.02	<0.966	<0.951	<0.950	<0.961	<0.989	--	--
Vanadium	23.9	36	29.3	31.3	48.8	36.3	30	15.8	33.5	--	100
Zinc	71.6	1710	265	238	32.3	74.7	203	64.5	104	109	--
Petroleum Hydrocarbons Analyses											
Gasoline Range Organics (GRO)	0.027 J	--	--	<0.027	<0.026	--	--	--	<0.026	--	--
Diesel Range Organics	2.995	--	--	153.91	4.097	--	--	--	26.883	--	--
Conventional Chemistry Parameters											
Cyanide	<0.132	0.639	<0.126	<0.148	<0.141	<0.138	<0.142	<0.142	<0.136	27	--
Hexavalent Chromium	<0.220	<0.245	<0.218	<0.239	0.0940 J	0.0900 J	<0.225	0.0920 J	0.0920 J	1	--
Reactive Cyanide	<0.0500	--	--	<0.0500	<0.0500	--	--	--	<0.0500	--	--
Reactive Sulfide	20	--	--	<10.0	<10.0	--	--	--	48	--	--
Ignitability	NO	--	--	NO	NO	--	--	--	NO	--	--
Corrosivity	8.66	--	--	8.68	5.22	--	--	--	9.83	--	--
TCLP (mg/L)											
Chromium	--	--	--	--	--	--	--	--	--	5	--
Lead	--	0.202	1.76	0.105	--	--	0.0277	--	--	5	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

--: No standard

J: Estimated value

D: Detected at secondary dilution

Exceeds Soil Cleanup Criteria

Table 15
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Metals, Petroleum Hydrocarbons Analyses and Conventional Chemistry Parameters

Sample ID	GP-15(6-20)	GP-16(0-5)	GP-17(0-5)	GP-18(6-18)	GP-19(10-24)	NYCRR 6 Part375	CP-51 10-10
Sampling Date	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/25/2014	Unrestricted	SCOs
Start Depth	6 inches	0 feet	0 feet	6 inches	10 inches	Use Soil	Residential
End Depth	20 inches	5 feet	5 feet	18 inches	24 inches	Cleanup	Use
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Objectives (SCOs)	mg/kg
<u>Metals</u>							
Antimony	0.770 J	<1.14	<1.24	0.884 J	<1.35	--	--
Arsenic	3.19	2.4	6.82	4.36	2.65	13	--
Barium	79.8	91.6	748	539	87	350	--
Beryllium	0.582	0.422	0.634	0.71	0.487	7.2	--
Cadmium	<0.151	<0.137	0.79	0.0680 J	<0.161	2.5	--
Chromium	22.8	20.2	24.4	25.4	23	30	--
Cobalt	14.2	13.5	14	30	10.1	--	30
Copper	26.8	19.7	51	44.8	23.6	50	--
Lead	28.1	39.3	3240	2140	26.4	63	--
Manganese	367	700	607	542	400	1600	--
Mercury	0.208	0.039	0.681 D	0.03	0.0070 J	0.18	--
Nickel	22.1	15.4	19.1	30.5	18.6	30	--
Selenium	1.1	0.847 J	1.33	1.32	0.951 J	3.9	--
Silver	0.971	0.809	1.27	1.4	0.802	2	--
Thallium	<1.00	<0.912	<0.992	<1.04	<1.08	--	--
Vanadium	30.5	29.8	29.2	38.4	30.1	--	100
Zinc	63.1	50.6	561	186	59.7	109	--
<u>Petroleum Hydrocarbons Analyses</u>							
Gasoline Range Organics (GRO)	--	--	<0.026	<0.026	<0.028	--	--
Diesel Range Organics	--	--	98.21	66.463	2.096	--	--
<u>Conventional Chemistry Parameters</u>							
Cyanide	0.209 J	0.0480 J	0.189 J	0.0430 J	<0.150	27	--
Hexavalent Chromium	0.361 J	<0.222	0.0960 J	0.381 J	0.250 J	1	--
Reactive Cyanide	--	--	<0.0500	<0.0500	<0.0500	--	--
Reactive Sulfide	--	--	19	38	<10.0	--	--
Ignitability	--	--	NO	NO	NO	--	--
Corrosivity	--	--	8.71	8.29	8.88	--	--
<u>TCLP (mg/L)</u>							
Chromium	--	--	--	--	--	5	--
Lead	--	--	0.295	0.0334	--	5	--

Footnotes/Qualifiers:

mg/kg: Milligrams per kilogram

<: Analyzed for but not detected

--: No standard

J: Estimated value

D: Detected at secondary dilution

Exceeds Soil Cleanup Criteria

Table 16
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Pesticides, Polychlorinated Biphenyls (PCBs) and Herbicides

Sample ID Sampling Date Start Depth End Depth Units	GP-1(0-5) 6/24/2014 0 feet 5 feet ug/kg	GP-2(0-5) 6/24/2014 0 feet 5 feet ug/kg	GP-3(6-18) 6/24/2014 6 inches 18 inches ug/kg	GP-4(0-5) 6/23/2014 0 feet 5 feet ug/kg	GP-5(10-12) 6/23/2014 10 feet 12 feet ug/kg	NYCRR 6 Part375 Unrestricted Use Soil Cleanup Objectives (SCOs) ug/Kg	CP-51 10-10 SCOs Residential Use ug/kg
PESTICIDES							
Aldrin	<0.368	<0.38	<0.38	<0.36	<0.399	5	--
alpha BHC	<0.368	<0.38	<0.38	<0.36	<0.399	20	--
alpha Endosulfan	<0.368	<0.38	<0.38	<0.36	<0.399	2400	--
beta-BHC	<0.368	<0.38	<0.38	<0.36	<0.399	36	--
beta-Endosulfan	<0.368	<0.38	<0.38	<0.36	<0.399	2,400	--
alpha-Chlordane	<0.368	<0.38	<0.38	<0.36	<0.399	94	--
gamma-Chlordane	<0.368	<0.38	<0.38	<0.36	<0.399	94	0.00054
delta-BHC	<0.368	<0.38	<0.38	<0.36	<0.399	40	--
Dieldrin	<0.368	<0.38	<0.38	<0.36	<0.399	5	--
Endosulfan sulfate	<0.368	<0.38	<0.38	<0.36	<0.399	2400	--
Endrin	<0.368	<0.38	<0.38	<0.36	<0.399	14	--
Endrin aldehyde	<0.368	<0.38	<0.38	<0.36	<0.399	--	--
Endrin ketone	<0.368	<0.38	<0.38	<0.36	<0.399	--	--
gamma-BHC (Lindane)	<0.368	<0.38	<0.38	<0.36	<0.399	100	--
Heptachlor	<0.368	<0.38	<0.38	<0.36	<0.399	42	--
Heptachlor epoxide	<0.368	<0.38	<0.38	<0.36	<0.399	--	77
Methoxychlor	<0.368	<0.38	<0.38	<0.36	<0.399	--	0.1
4,4'-DDD	<0.368	<0.38	<0.38	<0.36	<0.399	3.3	--
4,4'-DDE	<0.368	<0.38	<0.38	<0.36	<0.399	3.3	--
4,4'-DDT	<0.368	<0.38	<0.38	<0.36	<0.399	3.3	--
Toxaphene	<3.7	<3.8	<3.8	<3.6	<4	--	--
PCBS							
Aroclor-1016	<3.7	<3.8	<3.8	<3.6	<4	100	--
Aroclor-1221	<3.7	<3.8	<3.8	<3.6	<4	100	--
Aroclor-1232	<3.7	<3.8	<3.8	<3.6	<4	100	--
Aroclor-1242	<3.7	<3.8	<3.8	<3.6	<4	100	--
Aroclor-1248	<3.7	<3.8	<3.8	<3.6	<4	100	--
Aroclor-1254	59.0 J	7.00 J	<3.8	14.3 J	15.9 J	100	--
Aroclor-1260	<3.7	<3.8	<3.8	<3.6	<4	100	--
Total PCBs	59	7	0	14.3	15.9	100	--
HERBICIDES							
2,4,5-T	<18.6	<19.2	<19.2	<18.2	<20.1	--	0.1
Silvex	<18.6	<19.2	<19.2	<18.2	<20.1	3,800	--
2,4-D	<18.6	<19.2	<19.2	<18.2	<20.1	--	0.1
2,4-DB	<18.6	<19.2	<19.2	<18.2	<20.1	--	--
Dicamba	<18.6	<19.2	<19.2	<18.2	<20.1	--	--
Dichlorprop	<18.6	<19.2	<19.2	<18.2	<20.1	--	--
Dinoseb	<18.6	<19.2	<19.2	<18.2	<20.1	--	--

Footnotes/Qualifiers:

ug/kg: Micrograms per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard or not analyzed

Exceeds Soil Cleanup Criteria

Table 16

Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Pesticides, Polychlorinated Biphenyls (PCBs) and Herbicides

Sample ID	GP-5(18-20)	GP-6(12-14)	GP-6(7-9)	GP-7(14-16)	GP-7(9-11)	NYCRR 6 Part375	CP-51 10-10
Sampling Date	6/23/2014	6/25/2014	6/25/2014	6/25/2014	6/25/2014	Unrestricted	SCOs
Start Depth	18 feet	7 feet	12 feet	9 feet	14 feet	Use Soil	Residential
End Depth	20 feet	9 feet	14 feet	11 feet	16 feet	Cleanup	Use
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Objectives (SCOs)	ug/kg
PESTICIDES							
Aldrin	<0.401	<0.452	<0.403	<0.366	<0.38	5	--
alpha BHC	<0.401	<0.452	<0.403	<0.366	<0.38	20	--
alpha Endosulfan	<0.401	<0.452	<0.403	<0.366	<0.38	2400	--
beta-BHC	<0.401	<0.452	<0.403	<0.366	<0.38	36	--
beta-Endosulfan	<0.401	<0.452	<0.403	<0.366	<0.38	2,400	--
alpha-Chlordane	<0.401	<0.452	<0.403	<0.366	<0.38	94	--
gamma-Chlordane	<0.401	<0.452	<0.403	<0.366	<0.38	94	0.00054
delta-BHC	<0.401	<0.452	<0.403	<0.366	<0.38	40	--
Dieldrin	<0.401	<0.452	<0.403	<0.366	<0.38	5	--
Endosulfan sulfate	<0.401	<0.452	<0.403	<0.366	<0.38	2400	--
Endrin	<0.401	<0.452	<0.403	<0.366	<0.38	14	--
Endrin aldehyde	<0.401	<0.452	<0.403	<0.366	<0.38	--	--
Endrin ketone	<0.401	<0.452	<0.403	<0.366	<0.38	--	--
gamma-BHC (Lindane)	<0.401	<0.452	<0.403	<0.366	<0.38	100	--
Heptachlor	<0.401	<0.452	<0.403	<0.366	<0.38	42	--
Heptachlor epoxide	<0.401	<0.452	<0.403	<0.366	<0.38	--	77
Methoxychlor	<0.401	<0.452	<0.403	<0.366	<0.38	--	0.1
4,4'-DDD	<0.401	<0.452	<0.403	<0.366	<0.38	3.3	--
4,4'-DDE	<0.401	<0.452	<0.403	<0.366	<0.38	3.3	--
4,4'-DDT	<0.401	<0.452	<0.403	<0.366	<0.38	3.3	--
Toxaphene	<4.1	<4.6	<4.1	<3.7	<3.8	--	--
PCBS							
Aroclor-1016	<4	<4.10	<4.60	<3.80	<3.70	100	--
Aroclor-1221	<4	<4.10	<4.60	<3.80	<3.70	100	--
Aroclor-1232	<4	<4.10	<4.60	<3.80	<3.70	100	--
Aroclor-1242	<4	<4.10	<4.60	<3.80	<3.70	100	--
Aroclor-1248	<4	<4.10	<4.60	<3.80	<3.70	100	--
Aroclor-1254	<4	<4.10	<4.60	<3.80	<3.70	100	--
Aroclor-1260	<4	<4.10	<4.60	<3.80	<3.70	100	--
Total PCBs	0	0	0	0	0	100	--
HERBICIDES							
2,4,5-T	<20.3	<20.4	<22.8	<19.2	<18.5	--	0.1
Silvex	<20.3	<20.4	<22.8	<19.2	<18.5	3,800	--
2,4-D	<20.3	<20.4	<22.8	<19.2	<18.5	--	0.1
2,4-DB	<20.3	<20.4	<22.8	<19.2	<18.5	--	--
Dicamba	<20.3	<20.4	<22.8	<19.2	<18.5	--	--
Dichlorprop	<20.3	<20.4	<22.8	<19.2	<18.5	--	--
Dinoseb	<20.3	<20.4	<22.8	<19.2	<18.5	--	--

Footnotes/Qualifiers:

ug/kg: Micrograms per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard or not analyzed

Exceeds Soil Cleanup Criteria

Table 16

Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Pesticides, Polychlorinated Biphenyls (PCBs) and Herbicides

Sample ID Sampling Date Start Depth End Depth Units	GP-8(6-18) 6/24/2014 6 inches 18 inches ug/kg	GP-9(0-5) 6/25/2014 0 feet 5 feet ug/kg	GP-10(6-19) 6/23/2014 6 inches 19 inches ug/kg	GP-11(6-23) 6/23/2014 6 inches 23 inches ug/kg	GP-12(0-5) 6/24/2014 0 feet 5 feet ug/kg	NYCRR 6 Part375 Unrestricted Use Soil Cleanup Objectives (SCOs) ug/Kg	CP-51 10-10 SCOs Residential Use ug/kg
PESTICIDES							
Aldrin	<0.404	<0.362	<0.406	<0.39	<0.374	5	--
alpha BHC	<0.404	<0.362	<0.406	<0.39	<0.374	20	--
alpha Endosulfan	<0.404	<0.362	<0.406	<0.39	<0.374	2400	--
beta-BHC	<0.404	<0.362	<0.406	<0.39	<0.374	36	--
beta-Endosulfan	<0.404	<0.362	<0.406	<0.39	<0.374	2,400	--
alpha-Chlordane	<0.404	<0.362	<0.406	<0.39	<0.374	94	--
gamma-Chlordane	<0.404	<0.362	<0.406	<0.39	<0.374	94	0.00054
delta-BHC	<0.404	<0.362	<0.406	<0.39	<0.374	40	--
Dieldrin	<0.404	<0.362	<0.406	<0.39	<0.374	5	--
Endosulfan sulfate	<0.404	<0.362	<0.406	<0.39	<0.374	2400	--
Endrin	<0.404	<0.362	<0.406	<0.39	<0.374	14	--
Endrin aldehyde	<0.404	<0.362	<0.406	<0.39	<0.374	--	--
Endrin ketone	<0.404	<0.362	<0.406	<0.39	<0.374	--	--
gamma-BHC (Lindane)	<0.404	<0.362	<0.406	<0.39	<0.374	100	--
Heptachlor	<0.404	<0.362	<0.406	<0.39	<0.374	42	--
Heptachlor epoxide	<0.404	<0.362	<0.406	<0.39	<0.374	--	77
Methoxychlor	<0.404	<0.362	<0.406	<0.39	<0.374	--	0.1
4,4'-DDD	<0.404	<0.362	<0.406	<0.39	<0.374	3.3	--
4,4'-DDE	4.7	<0.362	<0.406	<0.39	<0.374	3.3	--
4,4'-DDT	2.2	<0.362	<0.406	<0.39	<0.374	3.3	--
Toxaphene	<4.1	<3.6	<4.1	<3.9	<3.8	--	--
PCBS							
Aroclor-1016	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Aroclor-1221	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Aroclor-1232	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Aroclor-1242	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Aroclor-1248	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Aroclor-1254	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Aroclor-1260	<4.1	<3.60	<4.1	<3.9	<3.8	100	--
Total PCBs	0	0	0	0	0	100	--
HERBICIDES							
2,4,5-T	<20.5	<18.3	<20.6	<19.7	<18.9	--	0.1
Silvex	<20.5	<18.3	<20.6	<19.7	<18.9	3,800	--
2,4-D	<20.5	<18.3	<20.6	<19.7	<18.9	--	0.1
2,4-DB	<20.5	<18.3	<20.6	<19.7	<18.9	--	--
Dicamba	<20.5	<18.3	<20.6	<19.7	<18.9	--	--
Dichlorprop	<20.5	<18.3	<20.6	<19.7	<18.9	--	--
Dinoseb	<20.5	<18.3	<20.6	<19.7	<18.9	--	--

Footnotes/Qualifiers:

ug/kg: Micrograms per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard or not analyzed

Exceeds Soil Cleanup Criteria

Table 16

Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Pesticides, Polychlorinated Biphenyls (PCBs) and Herbicides

Sample ID	GP-13(0-5)	GP-13(18-20)	GP-14(6-18)	GP-15(6-20)	GP-16(0-5)	NYCRR 6 Part375	CP-51 10-10
Sampling Date	6/23/2014	6/30/2014	6/25/2014	6/26/2014	6/26/2014	Unrestricted	SCOs
Start Depth	0 feet	18 feet	6 inches	6 inches	0 feet	Use Soil	Residential
End Depth	5 feet	23 feet	18 inches	20 inches	5 feet	Cleanup	Use
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Objectives (SCOs)	ug/kg
PESTICIDES							
Aldrin	<0.384	<0.380	<0.386	<0.379	<0.366	5	--
alpha BHC	<0.384	<0.380	<0.386	<0.379	<0.366	20	--
alpha Endosulfan	<0.384	<0.380	<0.386	<0.379	<0.366	2400	--
beta-BHC	<0.384	<0.380	<0.386	<0.379	<0.366	36	--
beta-Endosulfan	<0.384	<0.380	<0.386	<0.379	<0.366	2,400	--
alpha-Chlordane	<0.384	<0.380	<0.386	<0.379	<0.366	94	--
gamma-Chlordane	<0.384	<0.380	<0.386	<0.379	<0.366	94	0.00054
delta-BHC	<0.384	<0.380	<0.386	<0.379	<0.366	40	--
Dieldrin	<0.384	<0.380	<0.386	<0.379	<0.366	5	--
Endosulfan sulfate	<0.384	<0.380	<0.386	<0.379	<0.366	2400	--
Endrin	<0.384	<0.380	<0.386	<0.379	<0.366	14	--
Endrin aldehyde	<0.384	<0.380	<0.386	<0.379	<0.366	--	--
Endrin ketone	<0.384	<0.380	<0.386	<0.379	<0.366	--	--
gamma-BHC (Lindane)	<0.384	<0.380	<0.386	<0.379	<0.366	100	--
Heptachlor	<0.384	<0.380	<0.386	<0.379	<0.366	42	--
Heptachlor epoxide	<0.384	<0.380	<0.386	<0.379	<0.366	--	77
Methoxychlor	<0.384	<0.380	<0.386	<0.379	<0.366	--	0.1
4,4'-DDD	<0.384	<0.380	<0.386	<0.379	<0.366	3.3	--
4,4'-DDE	<0.384	<0.380	<0.386	<0.379	<0.366	3.3	--
4,4'-DDT	<0.384	<0.380	<0.386	<0.379	<0.366	3.3	--
Toxaphene	<3.9	<3.80	<3.90	<3.80	<3.70	--	--
PCBS							
Aroclor-1016	<3.9	<3.3	<3.90	<3.80	<3.70	100	--
Aroclor-1221	<3.9	<3.3	<3.90	<3.80	<3.70	100	--
Aroclor-1232	<3.9	<3.3	<3.90	<3.80	<3.70	100	--
Aroclor-1242	<3.9	<3.3	<3.90	<3.80	<3.70	100	--
Aroclor-1248	<3.9	<3.3	<3.90	<3.80	<3.70	100	--
Aroclor-1254	21.2	<3.3	<3.90	<3.80	<3.70	100	--
Aroclor-1260	<3.9	<3.3	<3.90	<3.80	<3.70	100	--
Total PCBs	21.2	0	0	0	0	100	--
HERBICIDES							
2,4,5-T	<19.4	<19.2	<19.5	<19.1	<18.5	--	0.1
Silvex	<19.4	<19.2	<19.5	<19.1	<18.5	3,800	--
2,4-D	<19.4	<19.2	<19.5	<19.1	<18.5	--	0.1
2,4-DB	<19.4	<19.2	<19.5	<19.1	<18.5	--	--
Dicamba	<19.4	<19.2	<19.5	<19.1	<18.5	--	--
Dichlorprop	<19.4	<19.2	<19.5	<19.1	<18.5	--	--
Dinoseb	<19.4	<19.2	<19.5	<19.1	<18.5	--	--

Footnotes/Qualifiers:

ug/kg: Micrograms per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard or not analyzed

Exceeds Soil Cleanup Criteria

Table 16
Unionport Road, Bronx, NY
Summary of Soil Analytical Results
Pesticides, Polychlorinated Biphenyls (PCBs) and Herbicides

Sample ID Sampling Date Start Depth End Depth Units	GP-17(0-5) 6/26/2014 0 feet 5 feet ug/kg	GP-18(6-18) 6/26/2014 6 inches 18 inches ug/kg	GP-19(10-24) 6/25/2014 10 inches 24 inches ug/kg	NYCRR 6 Part375 Unrestricted Use Soil Cleanup Objectives (SCOs) ug/Kg	CP-51 10-10 SCOs Residential Use ug/kg
PESTICIDES					
Aldrin	<0.395	<0.394	<0.415	5	--
alpha BHC	<0.395	<0.394	<0.415	20	--
alpha Endosulfan	<0.395	<0.394	<0.415	2400	--
beta-BHC	<0.395	<0.394	<0.415	36	--
beta-Endosulfan	<0.395	<0.394	<0.415	2,400	--
alpha-Chlordane	<0.395	<0.394	<0.415	94	--
gamma-Chlordane	<0.395	<0.394	<0.415	94	0.00054
delta-BHC	<0.395	<0.394	<0.415	40	--
Dieldrin	<0.395	<0.394	<0.415	5	--
Endosulfan sulfate	<0.395	<0.394	<0.415	2400	--
Endrin	<0.395	<0.394	<0.415	14	--
Endrin aldehyde	<0.395	<0.394	<0.415	--	--
Endrin ketone	<0.395	<0.394	<0.415	--	--
gamma-BHC (Lindane)	<0.395	<0.394	<0.415	100	--
Heptachlor	<0.395	<0.394	<0.415	42	--
Heptachlor epoxide	<0.395	<0.394	<0.415	--	77
Methoxychlor	<0.395	<0.394	<0.415	--	0.1
4,4'-DDD	<0.395	<0.394	<0.415	3.3	--
4,4'-DDE	<0.395	<0.394	<0.415	3.3	--
4,4'-DDT	<0.395	<0.394	<0.415	3.3	--
Toxaphene	<4.00	<4.00	<4.20	--	--
PCBS					
Aroclor-1016	<4.00	<4.00	<4.20	100	--
Aroclor-1221	<4.00	<4.00	<4.20	100	--
Aroclor-1232	<4.00	<4.00	<4.20	100	--
Aroclor-1242	<4.00	<4.00	<4.20	100	--
Aroclor-1248	<4.00	<4.00	<4.20	100	--
Aroclor-1254	<4.00	<4.00	<4.20	100	--
Aroclor-1260	<4.00	<4.00	<4.20	100	--
Total PCBs	0	0	0	100	--
HERBICIDES					
2,4,5-T	<20.0	<19.9	<21.0	--	0.1
Silvex	<20.0	<19.9	<21.0	3,800	--
2,4-D	<20.0	<19.9	<21.0	--	0.1
2,4-DB	<20.0	<19.9	<21.0	--	--
Dicamba	<20.0	<19.9	<21.0	--	--
Dichlorprop	<20.0	<19.9	<21.0	--	--
Dinoseb	<20.0	<19.9	<21.0	--	--

Footnotes/Qualifiers:

ug/kg: Micrograms per kilogram

<: Analyzed for but not detected

J: Estimated value

--: No standard or not analyzed

Exceeds Soil Cleanup Criteria

Table 17
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Volatile Organic Compounds

Sample ID Sampling Date Units	GW-1 6/30/2014 ug/L	GW-5 6/23/2014 ug/L	GW-7 6/25/2014 ug/L	GW-9 6/25/2014 ug/L	GW-11 6/26/2014 ug/L	GW-13 6/30/2014 ug/L	GW-15 6/26/2014 ug/L	GW-16 6/26/2014 ug/L	GW-17 6/26/2014 ug/L	GW-18 6/26/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
VOLATILE COMPOUNDS											
1,1,1-Trichloroethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,1,2,2-Tetrachloroethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,1,2-Trichloroethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	1
1,1-Dichloroethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,1-Dichloroethene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,2,3-Trichlorobenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,2,4-Trichlorobenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
1,2,4-Trimethylbenzene	<0.200	220 D	<0.200	<0.200	<0.200	2600	<0.200	<0.200	<0.200	<0.200	5
1,2-Dibromo-3-Chloropropane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	0.04
1,2-Dibromoethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	0.0006
1,2-Dichlorobenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	0.810 J	<0.200	3
1,2-Dichloroethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	0.6
1,2-Dichloropropane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	1
1,3,5-Trimethylbenzene	<0.200	84.2	<0.200	<0.200	<0.200	750	<0.200	<0.200	<0.200	<0.200	5
1,3-Dichlorobenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	3
1,4-Dichlorobenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	3
1,4-Dioxane	<100	<100	<100	<100	<100	<5000	<100	<100	<100	<100	--
2-Hexanone	<2.50	<2.50	<2.50	<2.50	<2.50	<130	<2.50	<2.50	<2.50	<2.50	50
Acetone	<1.00	<1.00	<1.00	<1.00	7.1	<50.0	<1.00	<1.00	<1.00	<1.00	50
Benzene	<0.200	4000 D	<0.200	<0.200	<0.200	<10	<0.200	2	<0.200	<0.200	1
Bromochloromethane	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<0.500	<0.500	<0.500	<0.500	5
Bromodichloromethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	0.970 J	50
Bromoform	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	50
Bromomethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Carbon Disulfide	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	60
Carbon Tetrachloride	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Chlorobenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Chloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<0.500	<0.500	<0.500	<0.500	5
Chloroform	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	0.870 J	15.8	7
Chloromethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5

See next page for Footnotes/Qualifiers.

Table 17
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Volatile Organic Compounds

Sample ID Sampling Date Units	GW-1 6/30/2014 ug/L	GW-5 6/23/2014 ug/L	GW-7 6/25/2014 ug/L	GW-9 6/25/2014 ug/L	GW-11 6/26/2014 ug/L	GW-13 6/30/2014 ug/L	GW-15 6/26/2014 ug/L	GW-16 6/26/2014 ug/L	GW-17 6/26/2014 ug/L	GW-18 6/26/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>COMPOUNDS CONTINUED</u>											
Cis-1,2-Dichloroethylene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	7.6	5.9	<0.200	5
Cis-1,3-Dichloropropene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	0.4
Cyclohexane	<0.200	200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	--
Dibromochloromethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	50
Dichlorodifluoromethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Ethylbenzene	<0.200	720 D	<0.200	<0.200	<0.200	4600	<0.200	<0.200	<0.200	<0.200	5
Isopropylbenzene	<0.200	45.7	<0.200	<0.200	<0.200	130	<0.200	<0.200	<0.200	<0.200	5
m,p-Xylene	<0.400	960 D	<0.400	<0.400	<0.400	13800	<0.400	<0.400	<0.400	<0.400	5
Methyl Acetate	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<0.500	<0.500	<0.500	<0.500	--
Methyl Ethyl Ketone	<2.50	12.2	<2.50	<2.50	<2.50	<130	<2.50	<2.50	<2.50	<2.50	50
Methyl Isobutyl Ketone	<1.00	<1.00	<1.00	<1.00	<1.00	<50.0	<1.00	<1.00	<1.00	<1.00	--
Methylcyclohexane	<0.200	76.3	<0.200	<0.200	<0.200	130	<0.200	<0.200	<0.200	<0.200	--
Methylene Chloride	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Naphthalene	<0.200	210 D	<0.200	<0.200	<0.200	500	<0.200	<0.200	<0.200	<0.200	10
N-Butylbenzene	<0.200	5.8	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
N-Propylbenzene	<0.200	98.4	<0.200	<0.200	<0.200	400	<0.200	<0.200	<0.200	<0.200	5
O-Xylene	<0.200	170	<0.200	<0.200	<0.200	5100	<0.200	<0.200	<0.200	<0.200	5
p-Isopropyltoluene (p-Cymene)	<0.200	1.6	<0.200	<0.200	<0.200	14.5 J	<0.200	<0.200	<0.200	<0.200	5
Sec-Butylbenzene	<0.200	3.8	<0.200	<0.200	<0.200	30.0 J	<0.200	<0.200	<0.200	<0.200	5
Styrene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
T-Butylbenzene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Tert-Butyl Methyl Ether	39.6	46.9	<0.500	1.6	<0.500	<25.0	<0.500	5.5	<0.500	<0.500	10
Tetrachloroethylene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	1	0.550 J	220 D	0.760 J	5
Toluene	<0.200	140	<0.200	<0.200	<0.200	530	<0.200	<0.200	<0.200	<0.200	5
Trans-1,2-Dichloroethene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	2.6	1.3	<0.200	5
Trans-1,3-Dichloropropene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	0.4
Trichloroethylene	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	8	<0.200	5
Trichlorofluoromethane	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	<0.200	<0.200	<0.200	5
Vinyl Chloride	<0.200	<0.200	<0.200	<0.200	<0.200	<10	<0.200	1.3	<0.200	<0.200	2
Total Volatile Compounds	39.6	6994.9	0	1.6	7.1	28584.5	1	19.55	236.88	17.53	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

--: No standard

<: Analyzed for but not detected

J: Estimated value

D: Detected at secondary dilution

Exceeds Class GA Standard or Guidance Value

Table 17
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Volatile Organic Compounds

Sample ID Sampling Date Units	MW-E 6/27/2014 ug/L	MW-F 6/27/2014 ug/L	MW-G 6/27/2014 ug/L	MW-H 6/27/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>VOLATILE COMPOUNDS</u>					
1,1,1-Trichloroethane	<0.200	<0.200	<0.200	<0.200	5
1,1,2,2-Tetrachloroethane	<0.200	<0.200	<0.200	<0.200	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<0.200	<0.200	<0.200	<0.200	5
1,1,2-Trichloroethane	<0.200	<0.200	<0.200	<0.200	1
1,1-Dichloroethane	<0.200	<0.200	<0.200	<0.200	5
1,1-Dichloroethene	<0.200	<0.200	<0.200	<0.200	5
1,2,3-Trichlorobenzene	<0.200	<0.200	<0.200	<0.200	5
1,2,4-Trichlorobenzene	<0.200	<0.200	<0.200	<0.200	5
1,2,4-Trimethylbenzene	<0.200	4.9	130	0.810 J	5
1,2-Dibromo-3-Chloropropane	<0.200	<0.200	<0.200	<0.200	0.04
1,2-Dibromoethane	<0.200	<0.200	<0.200	<0.200	0.0006
1,2-Dichlorobenzene	<0.200	<0.200	<0.200	<0.200	3
1,2-Dichloroethane	<0.200	<0.200	<0.200	<0.200	0.6
1,2-Dichloropropane	<0.200	<0.200	<0.200	<0.200	1
1,3,5-Trimethylbenzene	<0.200	4.8	56.6	<0.200	5
1,3-Dichlorobenzene	<0.200	<0.200	<0.200	<0.200	3
1,4-Dichlorobenzene	<0.200	<0.200	<0.200	<0.200	3
1,4-Dioxane	<100	<100	<100	<100	--
2-Hexanone	<2.50	<2.50	<2.50	<2.50	50
Acetone	<1.00	<1.00	<1.00	<1.00	50
Benzene	<0.200	640 D	1200 D	<0.200	1
Bromochloromethane	<0.500	<0.500	<0.500	<0.500	5
Bromodichloromethane	<0.200	<0.200	<0.200	<0.200	50
Bromoform	<0.200	<0.200	<0.200	<0.200	50
Bromomethane	<0.200	<0.200	<0.200	<0.200	5
Carbon Disulfide	<0.200	<0.200	<0.200	<0.200	60
Carbon Tetrachloride	<0.200	<0.200	<0.200	<0.200	5
Chlorobenzene	<0.200	<0.200	<0.200	<0.200	5
Chloroethane	<0.500	<0.500	<0.500	<0.500	5
Chloroform	<0.200	<0.200	<0.200	<0.200	7
Chloromethane	<0.200	<0.200	<0.200	<0.200	5

See next page for Footnotes/Qualifiers.

Table 17
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Volatile Organic Compounds

Sample ID Sampling Date Units	MW-E 6/27/2014 ug/L	MW-F 6/27/2014 ug/L	MW-G 6/27/2014 ug/L	MW-H 6/27/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>COMPOUNDS CONTINUED</u>					
Cis-1,2-Dichloroethylene	<0.200	<0.200	<0.200	<0.200	5
Cis-1,3-Dichloropropene	<0.200	<0.200	<0.200	<0.200	0.4
Cyclohexane	<0.200	160	46	<0.200	--
Dibromochloromethane	<0.200	<0.200	<0.200	<0.200	50
Dichlorodifluoromethane	<0.200	<0.200	<0.200	<0.200	5
Ethylbenzene	<0.200	190 D	140 D	1.4	5
Isopropylbenzene	<0.200	14.7	10.5	<0.200	5
m,p-Xylene	<0.400	110	380 D	2.5	5
Methyl Acetate	<0.500	<0.500	<0.500	<0.500	--
Methyl Ethyl Ketone	<2.50	<2.50	<2.50	<2.50	50
Methyl Isobutyl Ketone	<1.00	<1.00	<1.00	<1.00	--
Methylcyclohexane	<0.200	48.1	17.5	<0.200	--
Methylene Chloride	<0.200	<0.200	<0.200	<0.200	5
Naphthalene	<0.200	55.9	53.8	<0.200	10
N-Butylbenzene	<0.200	1.7	1.4	<0.200	5
N-Propylbenzene	<0.200	24.7	20.4	<0.200	5
O-Xylene	<0.200	5.4	20.8	1.3	5
p-Isopropyltoluene (p-Cymene)	<0.200	0.330 J	0.910 J	<0.200	5
Sec-Butylbenzene	1.7	1.6	1.1	<0.200	5
Styrene	<0.200	<0.200	<0.200	<0.200	5
T-Butylbenzene	<0.200	<0.200	<0.200	<0.200	5
Tert-Butyl Methyl Ether	<0.500	18.8	20.8	<0.500	10
Tetrachloroethylene	<0.200	<0.200	<0.200	<0.200	5
Toluene	<0.200	37.6	71.8	<0.200	5
Trans-1,2-Dichloroethene	<0.200	<0.200	<0.200	<0.200	5
Trans-1,3-Dichloropropene	<0.200	<0.200	<0.200	<0.200	0.4
Trichloroethylene	<0.200	<0.200	<0.200	<0.200	5
Trichlorofluoromethane	<0.200	<0.200	<0.200	<0.200	5
Vinyl Chloride	<0.200	<0.200	<0.200	<0.200	2
Total Volatile Compounds	1.7	1318.53	2171.61	6.01	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

Exceeds Class GA Standard or Guidance Value

--: No standard

<: Analyzed for but not detected

J: Estimated value

D: Detected at secondary dilution

Table 18
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Semi-Volatile Organic Compounds

Sample ID Sampling Date Units	GW-1 6/30/2014 ug/L	GW-5 6/23/2014 ug/L	GW-7 6/25/2014 ug/L	GW-9 6/25/2014 ug/L	GW-11 6/26/2014 ug/L	GW-13 6/30/2014 ug/L	GW-15 6/26/2014 ug/L	GW-16 6/26/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
SEMIVOLATILE COMPOUNDS									
1,1-Biphenyl	<1.0	<1.0	<1.0	<1.0	<1.0	3.7 J	<1.0	<1.0	5
1,2,4,5-Tetrachlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2,3,4,6-Tetrachlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
2,4,5-Trichlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2,4,6-Trichlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2,4-Dichlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2,4-Dimethylphenol	<1.0	17.2	<1.0	<1.0	<1.0	7.7 J	<1.0	<1.0	50
2,4-Dinitrophenol	<8.0	<8.0	<8.0	<8.0	<8.0	<8.2	<8.0	<8.0	10
2,4-Dinitrotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2,6-Dinitrotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2-Chloronaphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10
2-Chlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2-Methylnaphthalene	<1.0	68.9	<1.0	<1.0	<1.0	110 D	<1.0	<1.0	--
2-Methylphenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2-Nitroaniline	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2-Nitrophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
3,3-Dichlorobenzidine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
3-Nitroaniline	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
4,6-Dinitro-2-methylphenol	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1
4-Bromophenyl-phenylether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
4-Chloro-3-methylphenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
4-Chloroaniline	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
4-Chlorophenylphenyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
4-Nitroaniline	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5
4-Nitrophenol	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1	<5.0	<5.0	1
Acenaphthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	20
Acenaphthylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Acetophenone	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Atrazine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.5
Benzaldehyde	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Benzo(a)anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Benzo(a)pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
Benzo(b)fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Benzo(ghi)perylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Benzo(k)fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Benzyl butyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Bis(2-chloroethoxy)methane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5

See next page for Footnotes/Qualifiers.

Table 18
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Semi-Volatile Organic Compounds

Sample ID Sampling Date Units	GW-1 6/30/2014 ug/L	GW-5 6/23/2014 ug/L	GW-7 6/25/2014 ug/L	GW-9 6/25/2014 ug/L	GW-11 6/26/2014 ug/L	GW-13 6/30/2014 ug/L	GW-15 6/26/2014 ug/L	GW-16 6/26/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>COMPOUNDS CONTINUED</u>									
Bis(2-chloroethyl)ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Bis(2-chloroisopropyl)ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Bis(2-ethylhexyl)phthalate (BEHP)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Caprolactam	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Carbazole	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Chrysene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Cresols, M&P	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Dibenzo(a,h)anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Dibenzofuran	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Diethyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Dimethyl phthalate	2.6 J	<1.0	4.40 J	3.80 J	5.0 J	3.6 J	7.20 J	3.10 J	50
Di-n-butyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Di-n-octyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Fluorene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Hexachlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.04
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.5
Hexachlorocyclopentadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Hexachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Indeno(1,2,3-cd)pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Isophorone	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Naphthalene	<1.0	210 D	<1.0	<1.0	<1.0	390 D	<1.0	<1.0	10
Nitrobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.4
N-Nitroso-di-n-propylamine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
N-Nitrosodiphenylamine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Pentachlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Phenanthrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Phenol	<1.0	14.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Total Semivolatile Compounds	2.6	310.6	4.4	3.8	5	515	7.2	3.1	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

--: No standard

<: Analyzed for but not detected

J: Estimated value

ND: If detected exceed standards

Exceeds Class GA Standard or Guidance Value

Table 18
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Semi-Volatile Organic Compounds

Sample ID Sampling Date Units	GW-17 6/26/2014 ug/L	GW-18 6/26/2014 ug/L	MW-E 6/27/2014 ug/L	MW-F 6/27/2014 ug/L	MW-G 6/27/2014 ug/L	MW-H 6/27/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
SEMIVOLATILE COMPOUNDS							
1,1-Biphenyl	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,2,4,5-Tetrachlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2,3,4,6-Tetrachlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
2,4,5-Trichlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2,4,6-Trichlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2,4-Dichlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2,4-Dimethylphenol	<1.0	<1.0	<1.0	<1.0	12.5	<1.0	50
2,4-Dinitrophenol	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	10
2,4-Dinitrotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2,6-Dinitrotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2-Chloronaphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10
2-Chlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2-Methylnaphthalene	<1.0	<1.0	<1.0	14.2	8.60 J	<1.0	--
2-Methylphenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
2-Nitroaniline	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
2-Nitrophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
3,3-Dichlorobenzidine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
3-Nitroaniline	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
4,6-Dinitro-2-methylphenol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1
4-Bromophenyl-phenylether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
4-Chloro-3-methylphenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
4-Chloroaniline	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
4-Chlorophenylphenyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
4-Nitroaniline	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5
4-Nitrophenol	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1
Acenaphthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	20
Acenaphthylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Acetophenone	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Atrazine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.5
Benzaldehyde	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Benzo(a)anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Benzo(a)pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
Benzo(b)fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Benzo(ghi)perylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Benzo(k)fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Benzyl butyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Bis(2-chloroethoxy)methane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5

See next page for Footnotes/Qualifiers.

Table 18
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Semi-Volatile Organic Compounds

Sample ID Sampling Date Units	GW-17 6/26/2014 ug/L	GW-18 6/26/2014 ug/L	MW-E 6/27/2014 ug/L	MW-F 6/27/2014 ug/L	MW-G 6/27/2014 ug/L	MW-H 6/27/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>COMPOUNDS CONTINUED</u>							
Bis(2-chloroethyl)ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Bis(2-chloroisopropyl)ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Bis(2-ethylhexyl)phthalate (BEHP)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Caprolactam	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Carbazole	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Chrysene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Cresols, M&P	<1.0	<1.0	<1.0	<1.0	3.20 J	<1.0	1
Dibenzo(a,h)anthracene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Dibenzofuran	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
Diethyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Dimethyl phthalate	2.90 J	5.70 J	2.70 J	5.80 J	5.30 J	3.50 J	50
Di-n-butyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Di-n-octyl phthalate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Fluoranthene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Fluorene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Hexachlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.04
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.5
Hexachlorocyclopentadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Hexachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Indeno(1,2,3-cd)pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.002
Isophorone	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Naphthalene	<1.0	<1.0	<1.0	53.6	18.8	<1.0	10
Nitrobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.4
N-Nitroso-di-n-propylamine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
N-Nitrosodiphenylamine	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Pentachlorophenol	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Phenanthrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Phenol	<1.0	<1.0	<1.0	4.40 J	21.9	<1.0	1
Pyrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50
Total Semivolatile Compounds	2.9	5.7	2.7	78	70.3	3.5	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter

--: No standard

<: Analyzed for but not detected

J: Estimated value

ND: If detected exceed standards

Exceeds Class GA Standard or Guidance Value

Table 19
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Metals and NYCDEP Sewer Discharge

Sample ID Sampling Date Analysis Units	GW-1 6/30/2014 total mg/l	GW-1 6/30/2014 dissolved mg/l	GW-5 6/23/2014 total mg/l	GW-5 6/23/2014 dissolved mg/l	GW-7 6/25/2014 total mg/l	GW-7 6/25/2014 dissolved mg/l	GW-9 6/25/2014 total mg/l	GW-9 6/25/2014 dissolved mg/l	NYSDEC Class GA Standard or Guidance Value mg/l
METALS									
Antimony	0.00076 J	0.00054 J	0.000968 J	0.000219 J	0.00051 J	<0.001	0.00053 J	0.00033 J	0.003
Arsenic	0.00054 J	0.0013	0.00318	0.000758 J	0.0023	<0.0005	0.00042 J	0.00043 J	0.025
Barium	0.166	0.143	0.26	0.124	0.735	0.0013 J	0.0313	0.0323	1
Beryllium	0.00059 J	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	0.00011 J	<0.0005	0.003
Cadmium	0.0011	0.0011	0.0131	<0.0005	0.001 J	<0.0005	0.00024 J	<0.0005	0.005
Chromium	0.0149	0.003	0.00308	0.00262	0.0377	0.00019 J	0.0099	0.0028	0.05
Cobalt	0.0152	0.0123	0.00483	0.00423	0.0446	0.00025 J	0.0077	0.0057	--
Copper	0.0204	0.0084	0.00601	0.00155 J	0.0433	<0.001	0.0054	0.0013 J	0.2
Lead	0.0487	0.000099 J	0.313	0.00432	0.521	<0.0005	0.0314	0.00023 J	0.025
Manganese	13.5 D	14.4 D	3.44	3.46	3.34	0.0187	0.532	0.417	0.3
Mercury	<0.0001	<0.0001	0.000113 J	<0.0001	0.000955	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.0505	0.0389	0.00845	0.00512	0.0545	0.00049 J	0.0276	0.014	0.1
Selenium	0.0036 J	0.003 J	<0.0025	0.000859 J	0.004 J	0.0011 J	0.0155	0.0164	0.01
Silver	0.000048 J	0.000048 J	0.000046 J	<0.0005	0.0011	<0.0005	0.00054 J	0.000041 J	0.05
Thallium	0.00014 J	0.000025 J	0.00023 J	0.000062 J	0.00068 J	<0.0005	0.00019 J	0.00013 J	0.0005
Vanadium	0.0072	<0.0025	0.00131 J	0.000428 J	0.0286	<0.0025	0.00035 J	<0.0025	--
Zinc	0.0525	0.0144	0.0648	0.0153	0.396	0.00054 J	0.159	0.012	2
Conventional Chemistry Parameters									
Flashpoint	--	--	--	--	--	--	--	--	--
Carbonaceous BOD	--	--	--	--	--	--	--	--	--
Chloride	--	--	--	--	--	--	--	--	250
Hexavalent Chromium	--	--	--	--	--	--	--	--	0.05
Nitrate/Nitrite as N	--	--	--	--	--	--	--	--	10
Total Solids	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	--	--	--	--	--	--	--
Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--
Total Nitrogen	--	--	--	--	--	--	--	--	--
Nonpolar Material	--	--	--	--	--	--	--	--	--

Footnotes/Qualifiers:

mg/l: Milligrams per liter

--: Not analyzed or no standard

<: Analyzed for but not detected

J: Estimated value

D: Detected at a secondary dilution

Exceeds Class GA Standard or Guidance Value

Table 19
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Metals and NYCDEP Sewer Discharge

Sample ID Sampling Date Analysis Units	GW-11 6/26/2014 total mg/l	GW-11 6/26/2014 dissolved mg/l	GW-13 6/30/2014 total mg/l	GW-13 6/30/2014 dissolved mg/l	GW-15 6/26/2014 total mg/l	GW-15 6/26/2014 dissolved mg/l	GW-16 6/26/2014 total mg/l	GW-16 6/26/2014 dissolved mg/l	NYSDEC Class GA Standard or Guidance Value mg/l
METALS									
Antimony	0.00048 J	<0.001	0.00031 J	0.00022 J	0.00024 J	0.00014 J	0.00029 J	0.00029 J	0.003
Arsenic	0.0024	0.0012	0.0033	0.0019	0.00071 J	0.00048 J	0.004	0.0019	0.025
Barium	0.734	0.182	0.117	0.0689	0.452	0.0577	0.1	0.089	1
Beryllium	0.0063	<0.0005	0.0005 J	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	0.003
Cadmium	0.0028	0.00037 J	0.00014 J	<0.0005	0.003	0.001 J	<0.0005	<0.0005	0.005
Chromium	0.0718	0.00062 J	0.0131	0.0012 J	0.0506	0.00055 J	0.0026	0.00091 J	0.05
Cobalt	0.122	0.0276	0.006	0.0018	0.146	0.0082	0.0034	0.0026	--
Copper	0.144	0.0062	0.0556	0.006	0.0422	0.004	0.0031	0.0021	0.2
Lead	0.132	0.00065 J	0.0204	0.00012 J	0.082	0.000098 J	0.0011	0.000053 J	0.025
Manganese	17.9 D	6.1	3.55	3.2	7.69	1.09	2.59	2.23	0.3
Mercury	0.000413	<0.0001	<0.0001	<0.0001	0.000186 J	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.14	0.0261	0.0184	0.0042	0.112	0.0371	0.0121	0.0091	0.1
Selenium	0.0042 J	0.0028 J	0.0024 J	0.0018 J	0.0034 J	0.0039 J	0.0027 J	0.0023 J	0.01
Silver	0.0008 J	<0.0005	0.0720 J	<0.0005	0.00061 J	<0.0005	0.0004 J	<0.0005	0.05
Thallium	0.00079 J	0.000074 J	0.00011 J	<0.0005	0.00029 J	0.000021 J	<0.0005	<0.0005	0.0005
Vanadium	0.0546	<0.0025	0.012	0.00058 J	0.0161	<0.0025	<0.0025	<0.0025	--
Zinc	0.394	0.0067	0.0402	0.0043	0.271	0.0129	0.0128	0.0019 J	2
Conventional Chemistry Parameters									
Flashpoint	--	--	--	--	--	--	--	--	--
Carbonaceous BOD	--	--	--	--	--	--	--	--	--
Chloride	--	--	--	--	--	--	--	--	250
Hexavalent Chromium	--	--	--	--	--	--	--	--	0.05
Nitrate/Nitrite as N	--	--	--	--	--	--	--	--	10
Total Solids	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	--	--	--	--	--	--	--
Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--
Total Nitrogen	--	--	--	--	--	--	--	--	--
Nonpolar Material	--	--	--	--	--	--	--	--	--

Footnotes/Qualifiers:

mg/l: Milligrams per liter

--: Not analyzed or no standard

<: Analyzed for but not detected

J: Estimated value

D: Detected at a secondary dilution

Exceeds Class GA Standard or Guidance Value

Table 19
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Metals and NYCDEP Sewer Discharge

Sample ID Sampling Date Analysis Units	GW-17 6/26/2014 total mg/l	GW-17 6/26/2014 dissolved mg/l	GW-18 6/26/2014 total mg/l	GW-18 6/26/2014 dissolved mg/l	MW-E 6/27/2014 total mg/l	MW-E 6/27/2014 dissolved mg/l	MW-F 6/27/2014 total mg/l	MW-F 6/27/2014 dissolved mg/l	NYSDEC Class GA Standard or Guidance Value mg/l
METALS									
Antimony	0.00031 J	0.00018 J	0.00017 J	0.0003 J	0.00057 J	0.00054 J	0.00076 J	0.00025 J	0.003
Arsenic	0.0019	0.0013	0.00063 J	0.00056 J	0.00082 J	0.00075 J	0.0111	0.00098 J	0.025
Barium	0.106	0.0692	0.12	0.106	0.211	0.194	0.221	0.155	1
Beryllium	0.00064 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.003
Cadmium	0.00046 J	0.00023 J	0.00038 J	0.00019 J	0.00067 J	0.00062 J	0.00016 J	<0.0005	0.005
Chromium	0.0129	0.00053 J	0.0044	0.0017 J	0.0024	0.00098 J	0.002 J	0.0003 J	0.05
Cobalt	0.0557	0.0416	0.0269	0.0213	0.0085	0.0053	0.003	0.0019	--
Copper	0.0151	0.0036	0.0097	0.006	0.0134	0.0066	0.0046	0.00063 J	0.2
Lead	0.0553	0.00017 J	0.002	0.00026 J	0.0084	0.00028 J	0.0074	0.000094 J	0.025
Manganese	3.7	3.37	2.05	1.63	15.4 D	13.8 D	3.58	3.05	0.3
Mercury	0.000683	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.0315	0.0177	0.0626	0.053	0.0113	0.0075	0.0059	0.0036	0.1
Selenium	0.0158	0.0154	0.0033 J	<0.0025	0.0033 J	0.003 J	<0.0025	<0.0025	0.01
Silver	0.00044 J	<0.0005	0.00017 J	0.000058 J	<0.0005	<0.0005	0.000041 J	<0.0005	0.05
Thallium	0.00011 J	0.00004 J	0.000047 J	0.000028 J	0.000064 J	0.000042 J	0.000042 J	0.000027 J	0.0005
Vanadium	0.0085	<0.0025	0.0026 J	<0.0025	0.0022 J	0.00016 J	0.00075 J	<0.0025	--
Zinc	0.123	0.011	0.0267	0.0212	0.0177	0.0072	0.0323	0.008	2
Conventional Chemistry Parameters									
Flashpoint	>212	--	--	--	--	--	--	--	--
Carbonaceous BOD	<2	--	--	--	--	--	--	--	--
Chloride	1030	--	--	--	--	--	--	--	250
Hexavalent Chromium	<0.005	--	--	--	--	--	--	--	0.05
Nitrate/Nitrite as N	14.6 D	--	--	--	--	--	--	--	10
Total Solids	2903	--	--	--	--	--	--	--	--
Total Suspended Solids	430	--	--	--	--	--	--	--	--
Total Kjeldahl Nitrogen	0.305 J	--	--	--	--	--	--	--	--
Total Nitrogen	14.9	--	--	--	--	--	--	--	--
Nonpolar Material	1.5 J	--	--	--	--	--	--	--	--

Footnotes/Qualifiers:

mg/l: Milligrams per liter

--: Not analyzed or no standard

<: Analyzed for but not detected

J: Estimated value

D: Detected at a secondary dilution

Exceeds Class GA Standard or Guidance Value

Table 19
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Metals and NYCDEP Sewer Discharge

Sample ID Sampling Date Analysis Units	MW-G 6/27/2014 total mg/l	MW-G 6/27/2014 dissolved mg/l	MW-H 6/27/2014 total mg/l	MW-H 6/27/2014 dissolved mg/l	NYSDEC Class GA Standard or Guidance Value mg/l
METALS					
Antimony	0.002 J	0.00058 J	0.0016 J	0.001 J	0.003
Arsenic	0.0045	0.00056 J	0.0018	0.00048 J	0.025
Barium	0.148	0.0871	0.158	0.113	1
Beryllium	<0.0005	<0.0005	<0.0005	<0.0005	0.003
Cadmium	0.0005 J	<0.0005	0.0011	<0.0005	0.005
Chromium	0.0039	0.0011 J	0.0033	0.00057 J	0.05
Cobalt	0.0151	0.0068	0.0017	0.0002 J	--
Copper	0.0206	0.00068 J	0.0077	0.0017 J	0.2
Lead	0.0243	0.00039 J	0.023	0.00018 J	0.025
Manganese	2.78	2.46	0.552	0.0125	0.3
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	0.0007
Nickel	0.0133	0.0076	0.0045	0.0016	0.1
Selenium	0.00095 J	<0.0025	0.0012 J	<0.0025	0.01
Silver	0.000049 J	<0.0005	0.000045 J	<0.0005	0.05
Thallium	0.0001 J	0.000028 J	0.000041 J	0.000027 J	0.0005
Vanadium	0.0033 J	<0.0025	0.0044 J	0.0017 J	--
Zinc	0.214	0.0131	0.0481	0.0107	2
Conventional Chemistry Parameters					
Flashpoint	--	--	--	--	--
Carbonaceous BOD	--	--	--	--	--
Chloride	--	--	--	--	250
Hexavalent Chromium	--	--	--	--	0.05
Nitrate/Nitrite as N	--	--	--	--	10
Total Solids	--	--	--	--	--
Total Suspended Solids	--	--	--	--	--
Total Kjeldahl Nitrogen	--	--	--	--	--
Total Nitrogen	--	--	--	--	--
Nonpolar Material	--	--	--	--	--

Footnotes/Qualifiers:

mg/l: Milligrams per liter

--: Not analyzed or no standard

<: Analyzed for but not detected

J: Estimated value

D: Detected at a secondary dilution

Exceeds Class GA Standard or Guidance Value

Table 20
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Polychlorinated Biphenyls (PCBs)

Sample ID Sampling Date Units	GW-1 6/30/2014 ug/L	GW-5 6/23/2014 ug/L	GW-7 6/25/2014 ug/L	GW-9 6/25/2014 ug/L	GW-11 6/26/2014 ug/L	GW-13 6/30/2014 ug/L	GW-15 6/26/2014 ug/L	GW-16 6/26/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>PCBS</u>									
Aroclor-1016	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Aroclor-1221	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Aroclor-1232	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Aroclor-1242	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Aroclor-1248	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Aroclor-1254	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Aroclor-1260	<0.101	<0.100	<0.102	<0.101	<0.0250	<0.100	<0.0250	<0.100	0.09
Total PCBs	0	0	0	0	0	0	0	0	0.09

Footnotes/Qualifiers:

ug/l: Micrograms per liter

<: Analyzed for but not detected

Table 20
Unionport Road, Bronx, NY
Summary of Groundwater Analytical Results
Polychlorinated Biphenyls (PCBs)

Sample ID Sampling Date Units	GW-17 6/25/2014 ug/L	GW-18 6/26/2014 ug/L	MW-E 6/27/2014 ug/L	MW-F 6/27/2014 ug/L	MW-G 6/27/2014 ug/L	MW-H 6/27/2014 ug/L	NYSDEC Class GA Standard or Guidance Value ug/l
<u>PCBS</u>							
Aroclor-1016	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Aroclor-1221	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Aroclor-1232	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Aroclor-1242	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Aroclor-1248	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Aroclor-1254	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Aroclor-1260	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.09
Total PCBs	0	0	0	0	0	0	0.09

Footnotes/Qualifiers:

ug/l: Micrograms per liter

<: Analyzed for but not detected

APPENDIX A

SITE INVESTIGATION PHOTOGRAPHS

Phase II Environmental Site Assessment
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road
and 1880-1894 East Tremont Avenue, Bronx, New York 10462



Photo 1: Location 1 prior to drilling activities.



Photo 2: Location 1 during hollow-stem auger activities.

Phase II Environmental Site Assessment
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road
and 1880-1894 East Tremont Avenue, Bronx, New York 10462



Photo 3: Location 1 following sample collection.



Photo 4: Location 4 during drilling activities.

Phase II Environmental Site Assessment
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road
and 1880-1894 East Tremont Avenue, Bronx, New York 10462



Photo 5: Soil core from Location 4.



Photo 6: Soil core from Location 5.

Phase II Environmental Site Assessment
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road
and 1880-1894 East Tremont Avenue, Bronx, New York 10462



Photo 7: Location 5 during sample collection activities.



Photo 8: Location 8 during sample collection.

Phase II Environmental Site Assessment
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road
and 1880-1894 East Tremont Avenue, Bronx, New York 10462



Photo 9: Location 12 during dilling activities.



Photo 10: Location 12 after sample collection.

Phase II Environmental Site Assessment
1597-1627 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road
and 1880-1894 East Tremont Avenue, Bronx, New York 10462



Photo 11: Location 13 prior to drilling activities.



Photo 12: Location 13 during drilling activities.

APPENDIX B

GEOPHYSICAL SURVEY REPORT

GEOPHYSICAL ENGINEERING SURVEY REPORT

COMMERCIAL PROPERTIES

1597-1627 Unionport Rd, 1889-1905 Guerlain St,
1572-1592 White Plains Road & 1880-1894 E. Tremont Ave,
Bronx, NY 10462

NOVA PROJECT NUMBER

14-0293

DATED

JUNE 23, 2014

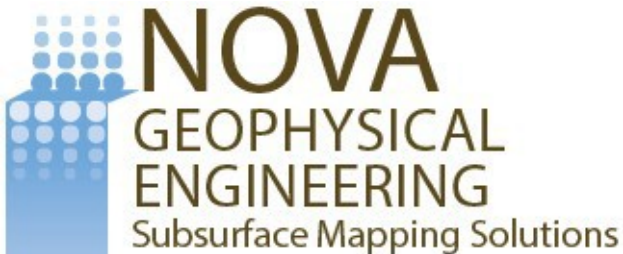
PREPARED FOR:



D&B Engineers &
Architects, P.C.

330 Crossways Park Drive
Woodbury, New York 11797
www.dvirkaandbartilucci.com

PREPARED BY:



56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

SUBSURFACEMAPPINGSOLUTIONS

56-01 Marathon Parkway, # 765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com

June 23, 2014

Maria Wright, P.E.

Senior Engineer

D&B Engineers & Architects, P.C.

330 Crossways Park Drive

Woodbury, NY 11797

P: 516-364-9890 ext. 3060

F: 516-364-9045

E: MWright@db-eng.com

Re: Geophysical Engineering Survey (GES) Report

Commercial Properties

1597-1627 Unionport Rd, 1889-1905 Guerlain St,

1572-1592 White Plains Road & 1880-1894 E. Tremont Ave,
Bronx, NY 10462

Dear Ms. Wright:

Nova Geophysical Services (NOVA) is pleased to provide findings of the geophysical engineering survey (GES) at the above referenced project sites: 1597-1627 Unionport Rd, 1889-1905 Guerlain St, 1572-1592 White Plains Road & 1880-1894 E. Tremont Ave, Bronx, NY 10462 (the "Site"). Please see attached Site Location and Geophysical Survey maps for more details.

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a Geophysical engineering surveys (GES) consisting of Ground Penetrating Radar (GPR) and Electromagnetic (EM) surveys at the project Site. The purpose of this survey is to locate and identify anomalies, utilities and other substructures and to clear and mark proposed environmental boring areas on June 16th, 2014.

The equipment selected for this investigation was an Electromagnetic Utility Detector (EUD-3) and Noggin's 250 MHz ground penetrating radar (GPR) shielded antenna.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

GEOPHYSICAL METHODS

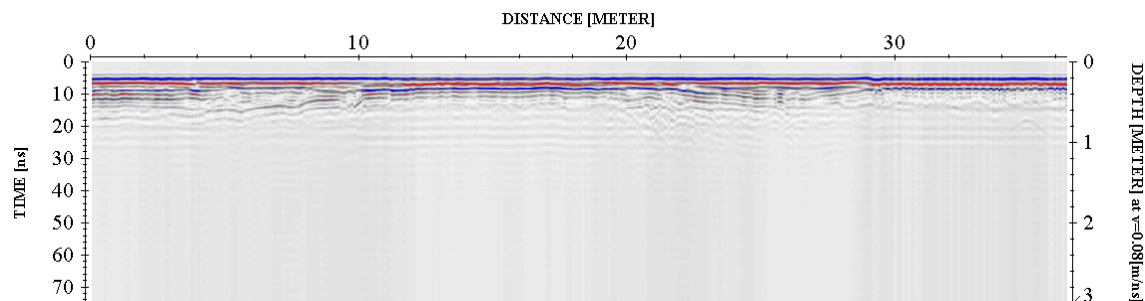
The project site was first screened using the Geonics(tm) electromagnetic detector by carrying the instrument over the project area at the site in 4' x 4' traverses. Finally, GPR profiles were collected over each anomaly and inspected for reflections, which could be indicative of major anomalies and substructures. Nova performed full scale multi-frequency GPR surveys for the targeted depths of approximately 3 to 10 feet below ground surface (bgs) pending quality of the data and sediments settings.

GPR data profiles were collected for the areas of the Site specified by the client. The surveyed areas consisted of paved areas.

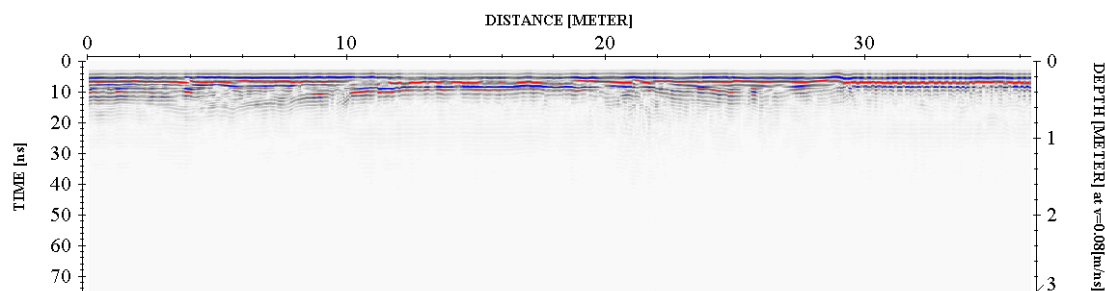
DATA PROCESSING

In order to improve the quality of the results and to better identify subsurface anomalies NOVA processed the collected data. The processes flow is briefly described at this section.

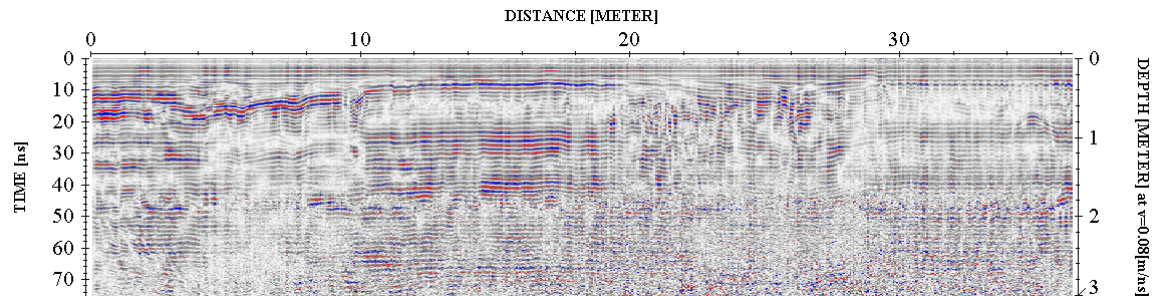
Step 1. Import raw RAMAC data to standard processing format



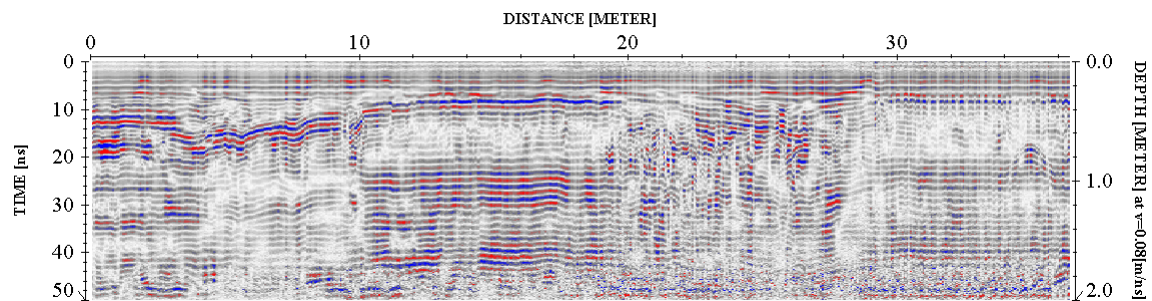
Step 2. Remove instrument noise (dewow)



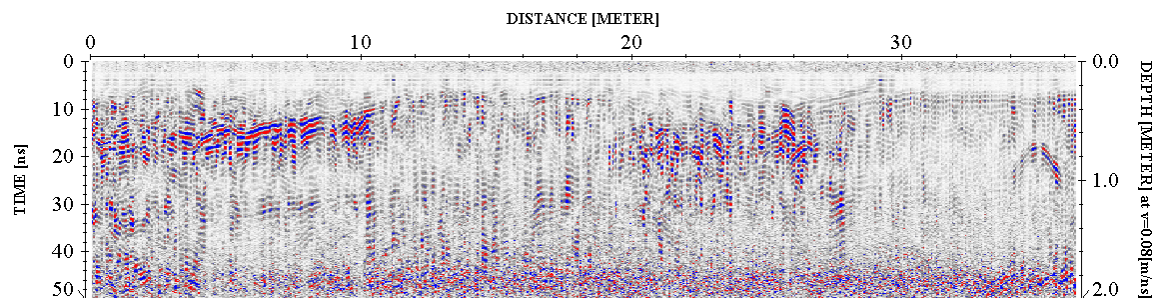
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and describes the subsurface anomalies more accurately.

GEOPHYSICALENGINEERING SURVEY/GESREPORT

Commercial Properties
1597-1627 Unionport Rd, 1889-1905 Guerlain St,
1572-1592 White Plains Road & 1880-1894 E. Tremont Ave,
Bronx, NY 10462

PHYSICAL SETTINGS

Nova observed following physical conditions at the time of the survey:

The weather: Clear.

Temp: 72 Degrees (F).

Surface: Paved (concrete-asphalt).

Geophysical Noise Level (GNL): Geophysical Noise Level (GNL) was medium to high at the time of the survey due to on-site business activities moving and parked buses/cars and on-site storage of metal containing materials, and etc. at the time of the survey.

RESULTS

The results of the geophysical engineering survey (GES) identified following at the project Site:

- GES identified anomalies located throughout of the project area. Based on their reflection rates, these anomalies were consistent with utilities (gas, electric, sewer line, and water line) and were located approximately 1 foot below ground surface (bgs) to 10 feet bgs.
- GES identified and confirmed anomalies that are consistent with the USTs (gasoline tanks) at the northwest corner of the project area.
- Nova observed number an above ground storage tank (AST) located along the center east portion of the project site.
- All minor and scattered anomalies including identified utilities were clearly marked during the field survey.
- Due to excessive geophysical noise identified during the survey, Nova could not collect DATA using EM at the project site at the time of the survey.
- Nova cleared and marked all of the proposed boring locations at the time of the survey.
- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

GEOPHYSICALENGINEERING SURVEY/GESREPORT

Commercial Properties
1597-1627 Unionport Rd, 1889-1905 Guerlain St,
1572-1592 White Plains Road & 1880-1894 E. Tremont Ave,
Bronx, NY 10462

If you have any questions please do not hesitate to contact the undersigned.
Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.
Project Engineer

Attachments:

Figure 1 Site Location Map
Geophysical Survey Plan
Geophysical Images

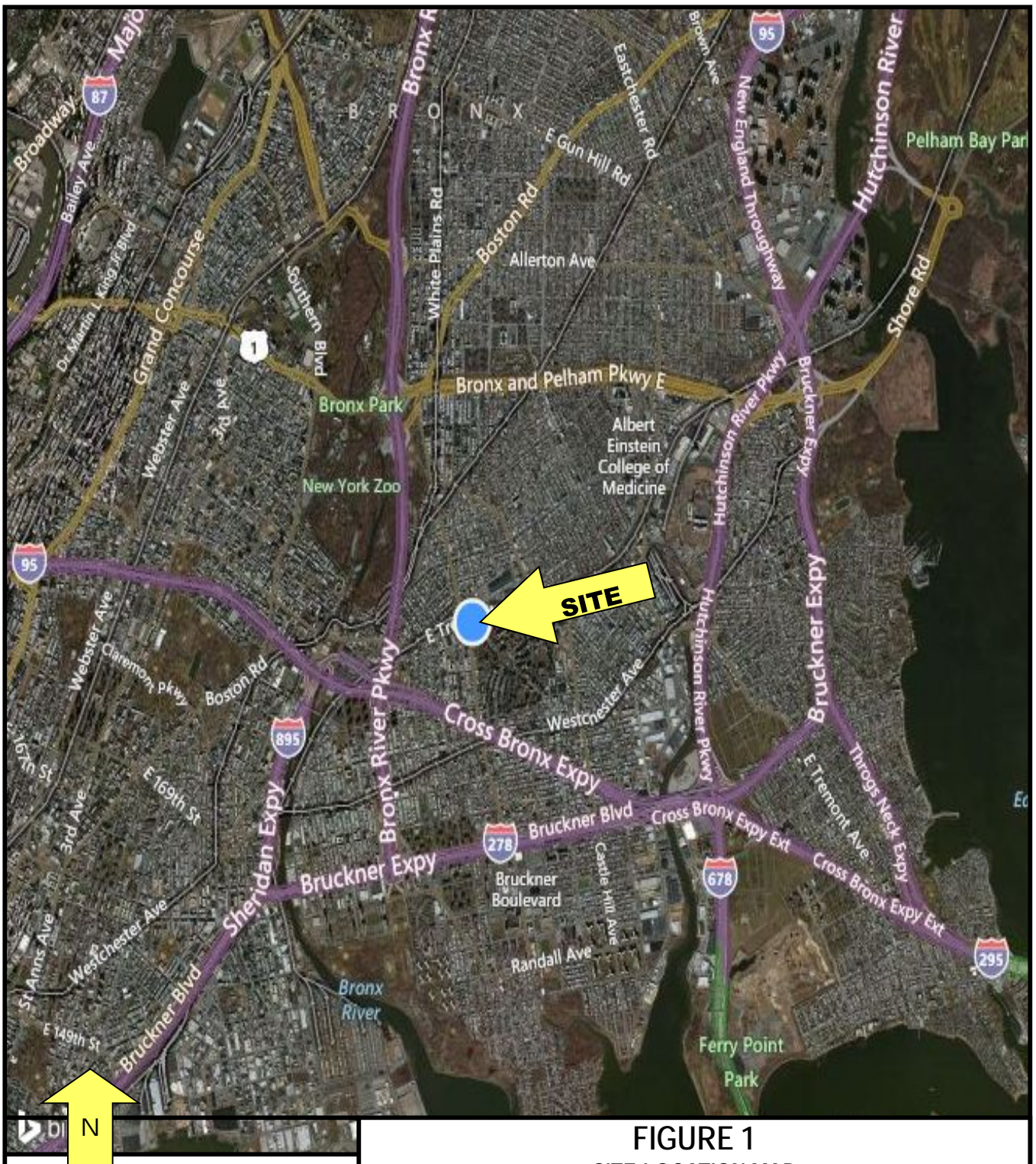


FIGURE 1
SITE LOCATION MAP

NOVA

Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Pkwy, # 765, Douglaston, NY11362

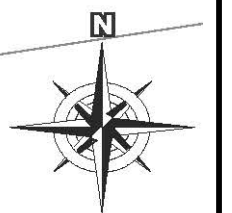
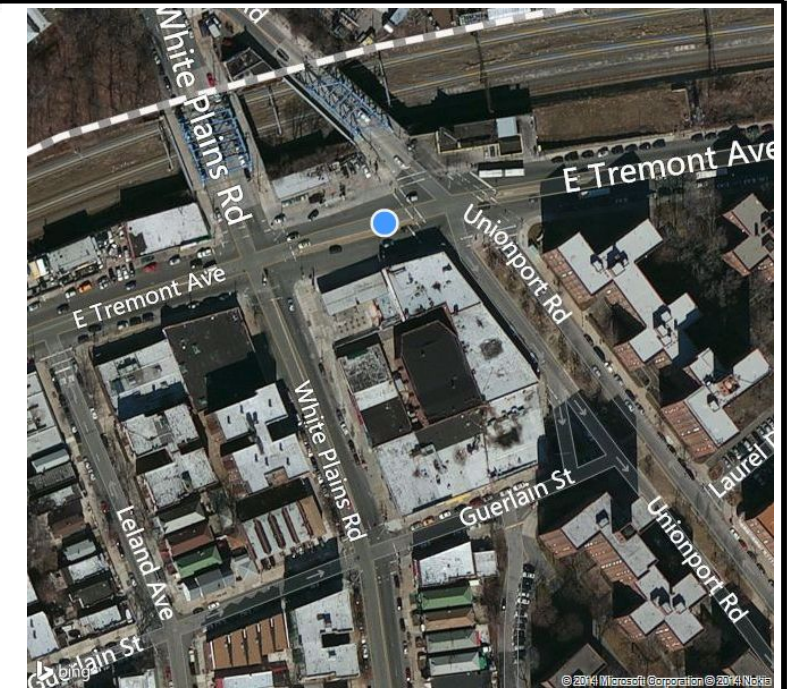
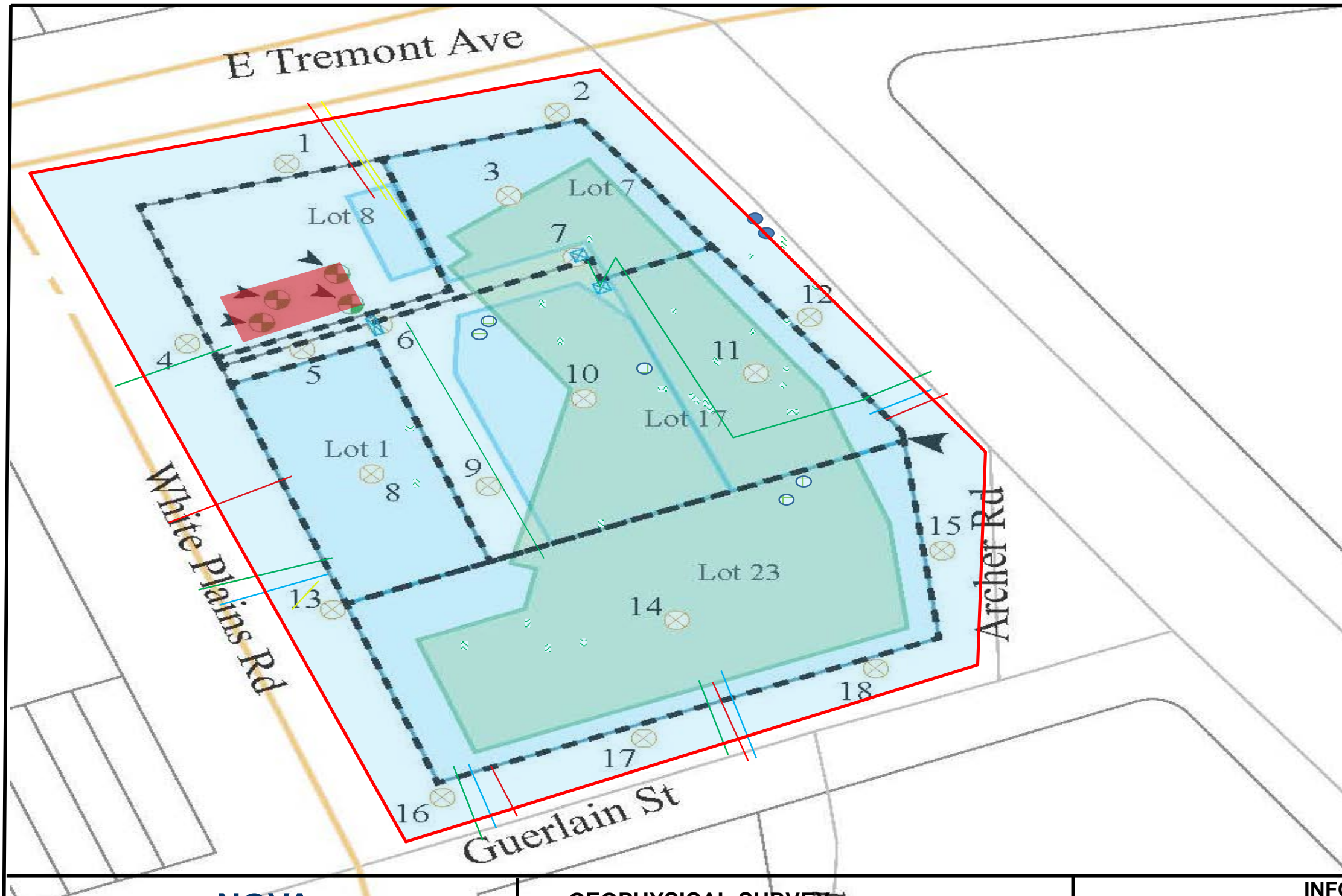
(347) 556-7787 Fax (718) 261-1528

www.nova-gsi.com

SITE: Commercial Properties

1597-1627 Unionport Rd, 1889-1905 Guerlain St,
1572-1592 White Plains Road & 1880-1894 E.Tremont Ave,
Bronx, NY

SCALE: See Map



- Notes:**
All anomalies were marked in the field
- Property Boundary
 - Existing Building Footprint
 - Proposed School Footprint
 - Anticipated Groundwater Flow Direction
 - Storm Drain (approx.)
 - Proposed Sample Location
 - Existing Monitoring Well
 - Fill Port (Observed)

NOVA Geophysical Services

Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Email info@nova-gsi.com
www.nova-gsi.com

GEOPHYSICAL SURVEY

SITE : Commercial Properties
1597-1627 Unionport Rd, 1889-1905 Guerlain St,
1572-1592 White Plains Rd & 1880-1894 E. Tremont Ave,
Bronx, NY
CLIENT: D & B Engineers & Architects, P.C.
DATE: June 16, 2014

INFORMATION

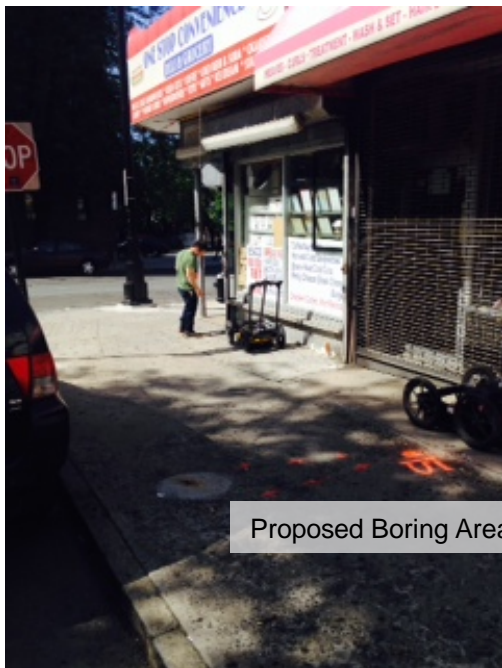
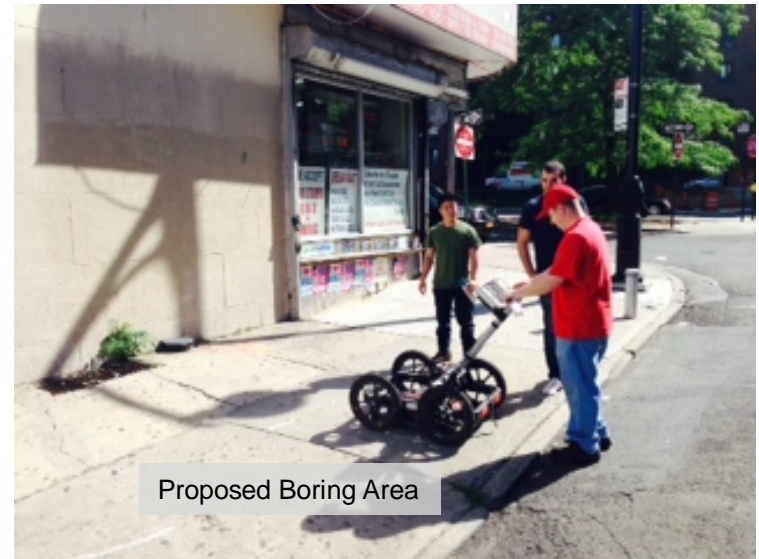
- Project Area
- Major Anomaly (UST)
- Scattered Anomalies

- Underground Utilities/Pipes
- Geophysical Noise Areas
- Storm Drains (Observed)

GEOPHYSICAL IMAGES

Commercial Properties

1597-1627 Unionport Rd, 1889-1905 Guerlain St, 1572-1592 White
Plains Road & 1880-1894 E. Tremont Ave, Bronx, NY
June 16, 2014

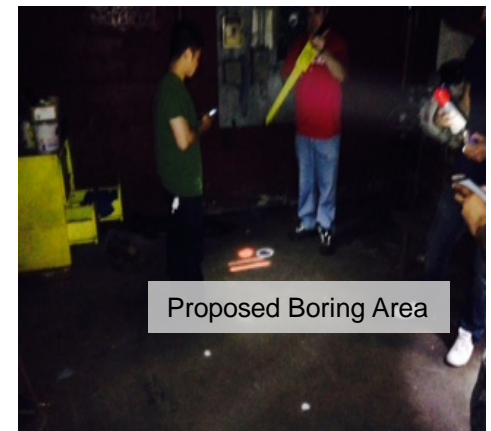
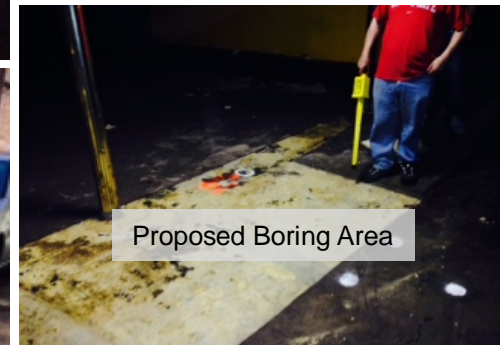
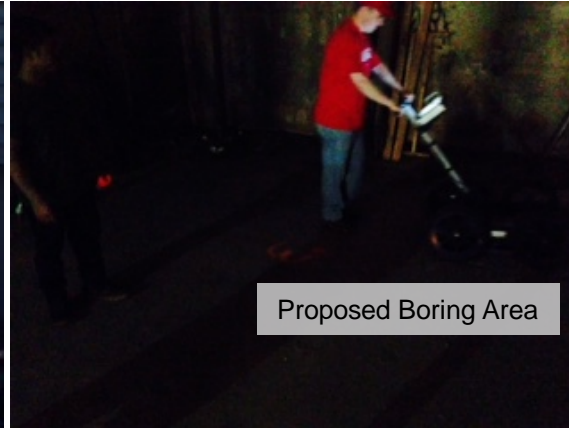


GEOPHYSICAL IMAGES

Commercial Properties

1597-1627 Unionport Rd, 1889-1905 Guerlain St, 1572-1592 White
Plains Road & 1880-1894 E. Tremont Ave, Bronx, NY

June 16, 2014



APPENDIX C

SOIL BORING LOGS



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**

KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

Project No.: 3415-F2
Project Name:
1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and
1880-1894 East Tremont Avenue
Bronx, New York 10462

Boring No.: GP-1
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT/Drill Rig
Date Started: 6/24/14

Geologist: Keith Robins
Drilling Method: Geoprobe/HSA
Drive Hammer Weight: N/A
Date Completed: 6/30/14

Boring Completion Depth: 11'
Ground Surface Elevation: ---
Boring Diameter: 2" Geoprobe
8" HSA

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	36"	- 89	0 - 12" Concrete sidewalk. 12" - 36" Dark Brown - Black silty SAND, some concrete with trace red brick fragments, asphalt and fine gravel, poorly sorted, loose, dry, Fill Material, no staining, no odor.
5'-10'	2	GP	12"	0	0" - 12" Dark Brown silty SAND, trace fine gravel, red brick, rock fragments, poorly sorted, loose, damp to dry, Fill Material, no staining, no odor.
10'-11'	2	GP	12"	0	0" - 12" Dark Brown fine SAND, some silt, fine gravel, crushed subangular rock, poorly sorted, loose, dry, Fill Material, no staining, no odor. Encountered refusal at 11 feet. Note: On 6/30/14, redrilled down to 36 feet with drill rig using HSA. No soil samples collected from (11'-36'). Encountered refusal at 36 feet.

Sample Types:
GP = Geoprobe Macrocore
HSA = Hollow Stem Auger

NOTES:
Soil sample GP-1 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background was 140 ppb.



By: Keith Robins

Boring Diameter: 2"

<p>Sample Types: GP = Geoprobe Macrocore</p>	<p>NOTES: Soil sample GP-2 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 140 ppb.</p>
-----------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**

KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

Project No.: 3415-F2
Project Name:
1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and
1880-1894 East Tremont Avenue
Bronx, New York 10462

Boring No.: GP-3
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Remote Unit
Date Started: 6/24/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/24/14

Boring Completion Depth: 9'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-3'	1	GP	12"	-		0 - 4" Concrete
				0		4" - 12" Light to Dark Brown silty SAND, some stone, gravel, trace asphalt, trace ceramic material, poorly sorted, medium, moist, Fill Material, no staining, no odor.
3'-6'	2	GP	11"	0		0-11" Light Brown silty SAND, trace brick, trace silt, poorly sorted, medium, moist, no staining, no odor.
6'-9'	3	GP	36"	0		0 - 6" Light Brown silty SAND, poorly sorted, no staining, no odor.
				0		6"-30" Light Brown to Orange silty SAND, trace clay, medium, moist, no staining, no odor.
				0		30"-36" Black SAND and gravel, trace silt, loose, moist, no staining, no odor.
						Encountered refusal at 9.3 feet.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-3 (6"-18") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**

KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

Project No.: 3415-F2
Project Name:
1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and
1880-1894 East Tremont Avenue
Bronx, New York 10462

Boring No.: GP-4
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/23/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/23/14

Boring Completion Depth: 11'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	36"	- 312 ppb 10 ppb 10 ppb 10 ppb	0 - 12" Concrete sidewalk. 12" - 18" Dark Brown silty SAND, some gravel, trace clay, no staining, no odor. 18" - 24" Fill Material, some gravel, asphalt, crushed cement, no staining, no odor. 24" - 30" Light Brown silty SAND, poorly sorted, damp, no staining, no odor. 30" - 36" Crushed white quartz, rock, dry, no staining, no odor.
5'-10'	2	GP	36"	0 0 0	0 - 3" Crushed rock, poorly sorted, loose, dry, no staining, no odor. 3" - 15" Brown silty CLAY, trace fine sand, trace fine gravel, trace red brick fragment, medium to dense, damp, no staining, no odor. 15" - 36" Brown crushed weathered rock, loose, dry, no staining, no odor.
10'-11'	3	GP	18"	0 0	0 - 6" Dark Brown SILT, some mica flakes, trace fine gravel, damp, no staining, no odor. 6" - 18" White-Gray crushed weathered rock, pulverized rock powder with mica flakes, poorly sorted, dry, no staining, no odor. Encountered refusal at 11 feet.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-4 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**

KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

Project No.: 3415-F2
Project Name:
1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and
1880-1894 East Tremont Avenue
Bronx, New York 10462

Boring No.: GP-5
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/23/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/23/14

Boring Completion Depth: 20'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	36"	- 10 ppb 10 ppb 10 ppb 10 ppb 10 ppb	0 - 6" Asphalt 6" - 10" Crushed concrete, Fill Material, dry, no staining, no odor. 10" - 24" Dark Brown SAND, gravel, crushed red brick, trace silt, Fill Material, dry, no staining, no odor. 24" - 30" Brown fine SAND, trace brown fine brick, trace gravel, dry, no staining, no odor. 30" - 36" Black fine medium SAND and crushed slag/cinder, damp, Fill Material, no staining, no odor.
5'-8'	2	GP	36"	500-1,000 ppb 6,800 ppb	0 - 6" Brown SILT, crushed weathered rock, trace red brick fragments, poorly sorted, loose, dry, no staining, no odor. 6" - 24" Black-Dark Gray SILT, trace fine subangular gravel, trace fine sand, damp, no staining, slight petroleum odor.
9'-10'	3	GP	0"	-	Hit refusal, no sample taken. Relocated Geoprobe location and continued sampling.
10'-15'	4	GP	48"	500 ppm 500 ppm 100 ppm	10' - 11' Brown-Olive SILT, trace clay, very moist, no staining, petroleum odor. 11' - 11.5' Gray-Black SILT, trace clay, soft, wet, no staining, very strong petroleum odor. 11.5' - 15' Olive Green-Brown SILT, some fine sand, trace fine gravel, well sorted, medium to dense, very moist, no staining, strong petroleum odor.
15'-20'	5	GP	48"	5,000 ppb	15'-17' Gray silty SAND, medium to dense, moist, slight petroleum odor. 17'-20' Orange-White SILT and highly weathered rock, trace clay, medium to dense, dry to damp, no staining, trace odor.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-5 (10'-12') and GP-5 (18'-20') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**

KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

Project No.: 3415-F2
Project Name:
1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and
1880-1894 East Tremont Avenue
Bronx, New York 10462

Boring No.: GP-6
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/25/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/25/14

Boring Completion Depth: 20'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	24"	- - 5,000 ppb -	0 - 6" Asphalt 6" - 12" Crushed concrete, loose, no staining, no odor. 12" - 20" Brown silty SAND, gravel, crushed red brick, trace black clay, trace crushed stone, Fill Material, poorly sorted, dry, no staining, no odor. 20" - 24" Crushed red brick, dry, no staining, no odor.
5'-10'	2	GP	36"	0 4,000 ppb 27 ppm 0	0 - 12" Red brick fragments, loose, dry, no staining, no odor. 12" - 24" Olive Green-Gray SILT, trace clay, no staining, no odor. 24"-30" Black-Gray silty SAND, discolored soils, slight petroleum odor. 30"-36" Orange-Brown silty SAND, trace mica, trace fine gravel, no staining, slight petroleum odor.
10'-15'	3	GP	24"	0	10' - 15' Brown-Yellow Silver-Gray SILT, highly weathered decomposed bedrock, trace clay, trace small rock fragments, trace gray fine sand, some mica/biotite flakes, poorly sorted, medium, damp to very moist, no staining, no odor.
15'-20'	5	GP	48"	0	0"-24" Gray-Silver SILT and weathered decomposed rock with abundant mica flakes, dense, dry, no staining, no odor. 24"- 36" Dark Brown-Orange SILT, trace clay, compacted, dry, no staining, no odor. 36"-48" Dark Brown-Gray SILT, trace clay, some weathered rock, trace gravel, poorly sorted, wet, no staining, no odor.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-6 (7'-9') and GP-6 (12'-14') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-7
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/25/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/25/14

Boring Completion Depth: 20'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-5'	1	GP	24"	-		0 - 6" Concrete
				0		6" - 18" Brown SILT, trace gravel, trace fine sand, trace brick, poorly sorted, loose, Fill Material, no staining, no odor.
				0		18" - 24" Gray crushed rock and red brick, loose, dry, Fill Material, no staining, no odor.
5'-10'	2	GP	30"	0		0 - 6" Red brick fragments, loose, dry, no staining, no odor.
				1000 ppb		6" - 12" Black SAND, gravel, some cinder/slag, poorly sorted, loose, Fill Material, no staining, slight to trace petroleum odor noted at 9"-11".
				0		12"-30" Gray-Brown SILT, medium to dense, dry, no staining, no odor.
10'-15'	3	GP	39"	0		0 - 6" Brown clayey, firm, SILT, trace subrounded rock fragments, very moist, no staining, no odor.
				0		6"-18" Olive-Brown silty fine SAND, damp, no staining, no odor.
				0		18"-39" Dark Brown-Olive silty fine SAND, trace weathered decomposed rock, trace fine gravel, some muscovite/biotite flakes, poorly sorted, damp to moist, no staining, no odor.
15'-20'	5	GP	40"	0		0"-18" Dark Brown-Dark Red fine-medium SAND, some silt, trace fine gravel, poorly sorted, loose to medium, wet, no staining, no odor.
				0		18"- 24" Gray silty decomposed weathered rock, moist, no staining, no odor.
				0		24"-40" Tan-Gray SILT and highly decomposed weathered rock, mica flakes, dry to damp, no staining, no odor.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-7 (9'-11') and GP-7 (14'-16') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.



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Boring No.: GP-8
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Remote Unit
Date Started: 6/24/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/24/14

Boring Completion Depth: 6'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-3'	1	GP	18"	50 ppb	0 - 18" Concrete, Light Brown to Light Orange silty SAND, trace gravel, trace clay, asphalt, loose to medium, moist, no staining, no odor.
3'-6'	2	GP	36"	10 ppb	0 - 36" Light Brown to Orange SILT, trace clay, medium, damp, no staining, no odor. Encountered refusal at 6.3 feet.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-8 (6"-18") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-9
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/25/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/25/14

Boring Completion Depth: 25'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	36"	-	0 - 12" Concrete
				0	12" - 36" Dark Brown SILT, trace fine sand, trace subrounded gravel, some red brick fragments, trace cinder/slag, poorly sorted, medium, dry, Fill Material, no staining, no odor.
5'-10'	2	GP	38"	0	0 - 38" Brown SILT and crushed red brick pieces, trace gravel, subangular rock fragments, poorly sorted, very loose, dry, Fill Material, no staining, no odor.
10'-15'	3	GP	36"	0	0" - 6" Crushed red brick, loose, dry, Fill Material, no staining, no odor.
				0	6"-10" Dark Brown SILT, trace clay, damp, no staining, no odor.
				0	10"-30" Brown-Gray SILT, trace clay, trace subrounded gravel, well sorted, damp to moist, no staining, no odor.
				0	30" - 36" Dark Brown- Brown SILT, trace fine sand, trace fine gravel, trace muscovite, trace weathered decomposed rock, no staining, no odor.
15'-20'	5	GP	30"	0	0"- 24" Dark Brown SILT, trace clay, some mica flakes, poorly sorted, loose to medium, damp to moist, no staining, no odor.
				0	24"- 30" Crushed rock fragments, loose, dry, no staining, no odor.
20'-25'	6	GP	48"	0	0 -18" Brown silty SAND, some gravel, poorly sorted, loose, wet, no staining, no odor.
				0	18"- 20" Silver-Gray weathered bedrock (micaschist), dry, no staining, no odor.
				0	20"- 48" Silver-Brown to Orange-Yellow SILT, trace clay, trace decomposed weathered rock, poorly sorted, dry, no staining, no odor.

Sample Types:

GP = Geoprobe Macrocore

NOTES:

Soil sample GP-9 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-10
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Remote Unit
Date Started: 6/23/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/23/14

Boring Completion Depth: 18'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-3'	1	GP	12"	0		0 - 6" Concrete, Light Brown medium SAND, loose, dry, no staining, no odor.
				0		6" - 12" Light Brown-Brown SILT, some stone, trace sand, medium, dry, no staining, no odor.
3'-6'	2	GP	13"	0		0 - 13" Light Brown-Brown silty medium to coarse SAND, gravel, stone, trace silt, dry, no staining, no odor.
6'-9'	3	GP	36"	0		0" - 12" Light Brown silty SAND, some asphalt, trace clay, trace brick, medium, no staining, no odor.
						12"-36" Light Brown-Orange SILT, trace medium to coarse sand, medium to compact, dry, no staining, no odor.
9'-10'	5	GP	12"	0		0-12" Light Brown silty SAND, trace clay, trace gavel, stone, moist, no staining, no odor.
						Encountered refusal at 10.2 feet.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-10 (6"-19") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.



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Boring No.: GP-11
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Remote Unit
Date Started: 6/23/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/23/14

Boring Completion Depth: 9'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-3'	1	GP	36"	0	0 - 6" Concrete, trace sand, trace gravel, loose, dry, no staining, slight odor.
				0	6" - 12" Light Brown SILT, trace sand, trace asphalt, medium, moist, no staining, no odor.
				0	12"-36" Light Brown-Orange SILT, trace sand, well sorted, medium, no staining, no odor.
3'-6'	2	GP	36"	0	0 - 12" Dark crushed stone, gravel, silty SAND, loose, moist, no staining, no odor.
				0	12" - 24" Light Brown SAND, some silt, moist, no staining, no odor.
				0	24"-36" Light Brown-Orange SILT, trace clay, trace brick, loose, moist to wet, no staining, no odor.
6'-9'	3	GP	36"	0	0" - 18" Light Brown SAND, trace stone, trace silt, medium, moist to wet, no staining, no odor.
					18"-36" Light Brown-Orange medium to coarse SAND, well sorted, wet to saturated, no staining, no odor.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-11 (6"-23") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.



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Boring No.: GP-12
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/24/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/24/14

Boring Completion Depth: 13'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-5'	1	GP	36"	-	0 - 12" Concrete	
				0	12" - 16" Black crushed cinder and gravel, loose, dry, Fill Material, no staining, no odor.	
				0	16" - 36" Dark Brown – Orange SILT, trace fine subangular gravel, some mica flakes, trace weathered rock, poorly sorted, medium, damp, Fill Material, no staining, no odor.	
5'-10'	2	GP	36"	0	0 - 36" Brown-Orange SILT, trace fine subrounded gravel, trace weathered rock, trace mica flakes, poorly sorted, soft to medium, dry to damp, no staining, no odor.	
10'-13'	3	GP	-	-	Geoprobe soil sampler broke off in ground and never retrieved. Encountered refusal at 13 feet.	

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-12 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-13
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT/Drill Rig
Date Started: 6/23/14

Geologist: Keith Robins
Drilling Method: Geoprobe/HSA
Drive Hammer Weight: N/A
Date Completed: 6/30/14

Boring Completion Depth: 20'
Ground Surface Elevation: ---
Boring Diameter: 2" Geoprobe
8" HSA

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-5'	1	GP	26"	-		0 - 12" Concrete
				0		12" - 20" Dark Brown silty SAND, some gravel, asphalt, medium, no staining, no odor.
				0		20" - 26" Light Brown silty SAND, weathered crushed rock, loose, dry, no staining, no odor.
5'-10'	2	GP	36"	0		0 - 36" Light brown crushed rock, some sand, trace stone, dry, no staining, no odor.
						Encountered refusal at 10 feet.
						Redrilled new boring using drill rig with hollow stem auger on 6/30/14. No soil sampling from 10'-20'.
15'-20'	-	HSA	-	300 ppm		15' - 20' Brown-Gray silty SAND, wet, strong petroleum odor, trace sheen on soil, noted off soil cuttings from hollow stem auger.

Sample Types:
GP = Geoprobe Macrocore
HSA = Hollow Stem Auger

NOTES:
Soil sample GP-13 (0-5') and GP-13 (18'-20') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-14
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/25/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/25/14

Boring Completion Depth: 9'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-3'	1	GP	24"	- 25.5 ppm	0 - 4" Concrete 4" - 14" Black to Brown SAND, gravel, trace silt, moist, light staining, hydrocarbon odor.
3'-6'	2	GP	36"	310 ppb	0 - 36" Light to Dark Brown medium SAND, gravel, moist, no staining, no odor.
6'-9'	3	GP	26"	235 ppb	0 - 26" Light Brown medium SAND, moist, no staining, no odor. Encountered refusal at 8.6 feet.

Sample Types:

GP = Geoprobe Macrocore

NOTES:

Soil sample GP-14 (6"-18") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.



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Boring No.: GP-15
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/26/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/26/14

Boring Completion Depth: 20'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-5'	1	GP	36"	- 10 ppb		0 - 6" Concrete 6" - 36" Light Brown silty SAND, trace asphalt, trace gravel, moist, no staining, no odor.
5'-10'	2	GP	14"	0		0 - 14" Light Brown silty SAND, trace gravel, poorly sorted, medium, moist, no staining, no odor.
10'-15'	3	GP	38"	0		0 - 38" Light Brown silty SAND, trace gravel, trace clay, loose, moist, no staining, no odor.
15'-20'	4	GP	48"	0		0-48" Gray-Silver to Dark Orange SILT and highly decomposed weathered micaschist, loose, moist to saturated, no staining, no odor.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-15 (6"-20") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-16
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/26/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/26/14

Boring Completion Depth: 17'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)						Sample Description
	No.	Type	Rec.	PID (ppb)		
0'-5'	1	GP	18"	-		0 - 6" Concrete
				0		6" - 18" Dark Brown-Brown fine-medium SAND, trace silt, trace slag/cinders, rock fragments, poorly sorted, dry, Fill Material, no staining, no odor.
5'-10'	2	GP	40"	0		0 - 6" Black cinder, crushed micaschist, rock, dry, Fill Material, no staining, no odor.
				0		6" - 10" Dark Brown SILT, trace clay, damp, Fill Material, no staining, no odor.
				0		10"-14" Black-Gray SILT, trace clay, trace organic decomposed wood, damp, Fill Material, no staining, no odor.
				0		14"-18" Gray silty CLAY, medium to dense, damp, no staining, no odor.
				0		18"- 40" Gray-Tan SILT, trace clay, medium to dense, dry, no staining, no odor.
10'-15'	3	GP	36"	0		0 - 20" Brown-Orange SILT, trace fine gravel, some crushed weathered decomposed rock, mica flakes, poorly sorted, medium, no staining, no odor.
				0		20"- 36" Brown-Orange crushed rock gneiss/micaschist and coarse SAND, mica flakes, poorly sorted, loose, no staining, no odor.
15'-17'	4	GP	24"	0		0"-14" Dark Brown silty SAND, some gravel, poorly sorted, loose, wet, no staining, no odor.
				0		14"-24" Weathered rock, dry, no staining, no odor.
						Encountered refusal at 17 feet.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-16 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide and Hexavalent Chromium. PID background 0 ppb.



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Boring No.: GP-17
Sheet 1 **of** 1
By: Keith Robins

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/26/14

Geologist: Keith Robins
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/26/14

Boring Completion Depth: 20'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	36"	-	0 - 6" Concrete
				-	6" - 12" Asphalt, stones
				440 ppb	12" - 18" Brown SILT, trace fine gravel, poorly sorted, dry, Fill Material, no staining, no odor.
				440 ppb	18" - 20" Concrete, loose, no staining, no odor.
				440 ppb	20" - 24" Crushed cinder/slag, trace fine sand, dry, no staining, no odor.
				440 ppb	24" - 36" Dark Brown SILT, trace fine to medium sand, some crushed rock, stones, trace clay, trace glass fragments, dry to damp, Fill Material, no staining, no odor.
5'-10'	2	GP	24"	0	0 - 12" Brown clayey SILT, trace fine sand, trace subangular gravel, no staining, no odor.
				0	12"-14" Crushed rock, no staining, no odor.
				0	14"- 24" Gray CLAY, trace silt, medium to dense, dry, no staining, no odor.
10'-15'	3	GP	48"	0	0 - 16" Gray clayey SILT, dense, dry, no staining, no odor.
				0	16"- 48" Dark Brown-Orange fine-medium SAND, trace silt, trace gravel, well sorted, wet, no staining, no odors.
15'-20'	4	GP	48"	0	0 - 36" Dark Brown fine-medium SAND, some fine gravel, trace mica flakes, well sorted, wet, no staining, no odor.
				0	36"- 48" Brown-Orange fine-medium SAND, some rock and subangular gravel, poorly sorted, dry, no staining, no odor.

Sample Types:

GP = Geoprobe Macrocore

NOTES:

Soil sample GP-17 (0-5') submitted for TCL and CP-51 listed VOCs plus TICs and TCL, SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background was approximately 0 ppb.



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Boring No.: GP-18
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Track mounted 6620 DT
Date Started: 6/26/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/26/14

Boring Completion Depth: 15'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-5'	1	GP	24"	- 0	0 - 6" Concrete 6" - 9" Asphalt, Brick. 9" - 24" Dark Brown-Brown silty SAND, weathered rock, trace gravel, trace clay, medium, damp, no staining, no odor.
5'-10'	2	GP	40"	0 0	0 - 25" Light Brown silty SAND, gravel, weathered rock, trace clay, medium, damp, no staining, no odor. 25" - 40" Light Brown-Orange silty SAND, trace weathered gravel, medium, damp to moist, no staining, no odor.
10'-15'	3	GP	36"	0	0 - 36" Light Brown-Orange silty SAND, trace weathered gravel, medium, moist to saturated, no staining, no odor.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-18 (6"-18") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**

KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

Project No.: 3415-F2
Project Name:
1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and
1880-1894 East Tremont Avenue
Bronx, New York 10462

Boring No.: GP-19
Sheet 1 **of** 1
By: Kumar Chakraborty

Drilling Contractor: ADT
Drill Rig: Remote Unit
Date Started: 6/25/14

Geologist: Kumar Chakraborty
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: 6/25/14

Boring Completion Depth: 9'
Ground Surface Elevation: ---
Boring Diameter: 2"

Depth (ft.)	No.	Type	Rec.	PID (ppb)	Sample Description
0'-3'	1	GP	12"	139 ppb	0 - 12" Light Brown-Brown silty SAND, trace gravel, loose, saturated, no staining, no odor.
3'-6'	2	GP	36"	1105 ppb	0 - 36" Light Brown SAND, trace gravel, damp to saturated, no staining, no odor.
6'-9'	3	GP	30"	1310 ppb	0 – 30" Light Brown medium SAND, saturated, no staining, no odor. Encountered refusal at 8.7 feet.

Sample Types:
GP = Geoprobe Macrocore

NOTES:
Soil sample GP-19 (10"-24") submitted for TCL and CP-51 listed VOCs plus TICs and TCL SVOCs and CP-51 plus TICs, PCBs, selected TAL Metals, TCL Pesticides/Herbicides, Cyanide, Hexavalent Chromium, TPH DRO/GRO and RCRA Characteristics. PID background 0 ppb.

APPENDIX D

SAMPLE COLLECTION LOGS

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 1

Field Sample I.D. Number GP-1 (0-5') **Time** 9:25 am

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 0 – 5 feet bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Black, Dark Brown **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings up to 89 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 2

Field Sample I.D. Number GP-2 (0-5') **Time** 12:50 pm

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 0 – 5 feet bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Dark Brown **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 3

Field Sample I.D. Number GP-3 (6"-18") **Time** 11:25 am

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 6 – 18 inches bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Black, Light - Dark Brown **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide and Hexavalent Chromium</u>	<u>RCRA Characteristics</u>	<u>TPH DRO/GRO</u>

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 4

Field Sample I.D. Number GP-4 (0-5') **Time** 11:30 am

Weather Sunny **Temperature** 80°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 0 -5 feet bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Dark Brown, Light Brown **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings up to 312 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 5

Field Sample I.D. Number GP-5 (10'-12') and
GP-5 (18'-20')

Time 1:20 pm and
1:45 pm

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater

Sediment

Surface Water/Stream

Air

Soil Soil samples from 10 –20 feet bgs

**Other (describe, i.e.
water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water

Measurement Method

Depth of Well

Measurement Method

Volume Removed

Removal Method

Field Test Results

Color Dark Brown to Gray

pH

Odor Petroleum Odor in both
samples

Temperature (°F)

Specific Conductance (umhos/cm)

Other (OVA, Methane Meter, etc.) PID readings up to 500 ppm.

No staining, petroleum odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL

Cyanide

Hexavalent Chromium

Pesticides/Herbicides

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 6

Field Sample I.D. Number GP-6 (7'-9') and
GP-6 (12'-14')

Time 9:55 am and
10:20 am

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater

Sediment

Surface Water/Stream

Air

Soil Soil samples from 7 –14 feet bgs

Other (describe, i.e. water, septage, etc.)

Well Information (fill out for groundwater samples)

Depth to Water

Measurement Method

Depth of Well

Measurement Method

Volume Removed

Removal Method

Field Test Results

Color Dark Brown, Olive-Green, pH
Orange-Brown

Odor Petroleum Odor
Noted in sample (7'-9')

Temperature (°F)

Specific Conductance (umhos/cm)

Other (OVA, Methane Meter, etc.) PID readings up to 27 ppm.

No staining, petroleum odors observed.

Constituents Sampled

TCL and CP-51 VOCs + TICs	TCL and CP-51 SVOCs + TICs	PCBs	Selected TAL Metals
TCL Pesticides/Herbicides	Cyanide	Hexavalent Chromium	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 7

Field Sample I.D. Number GP-7 (9'-11') and
GP-7 (14'-16')

Time 2:30 pm and
2:45 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater

Sediment

Surface Water/Stream

Air

Soil Soil samples from 9 - 16 feet bgs

Other (describe, i.e. water, septage, etc.)

Well Information (fill out for groundwater samples)

Depth to Water

Measurement Method

Depth of Well

Measurement Method

Volume Removed

Removal Method

Field Test Results

Color Dark Brown, Gray-Brown, pH
Olive-Brown

Odor Slight Petroleum Odor
Noted in sample (9'-11')

Temperature (°F)

Specific Conductance (umhos/cm)

Other (OVA, Methane Meter, etc.) PID readings up to 1,000 ppb.

No staining, slight petroleum odors observed.

Constituents Sampled

TCL and CP-51 VOCs + TICs	TCL and CP-51 SVOCs + TICs	PCBs	Selected TAL Metals
TCL Pesticides/Herbicides	Cyanide and Hexavalent Chromium	RCRA Characteristics	TPH DRO/GRO

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 8

Field Sample I.D. Number GP-8 (6"-18") **Time** 2:35 pm

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 6 – 18 inches bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Light Brown **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings up to 50 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 9

Field Sample I.D. Number GP-9 (0'-5')

Time 12:10 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater

Sediment

Surface Water/Stream

Air

Soil Soil samples from 0 –5 feet bgs

**Other (describe, i.e.
water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water

Measurement Method

Depth of Well

Measurement Method

Volume Removed

Removal Method

Field Test Results

Color Dark Brown

pH

Odor No Odor

Temperature (°F)

Specific Conductance (umhos/cm)

Other (OVA, Methane Meter, etc.) PID readings 0 ppm.

No staining or odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL
Pesticides/Herbicides

Cyanide

Hexavalent Chromium

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 10

Field Sample I.D. Number GP-10 (6"-19")

Time 1:20 pm

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air _____

Soil Soil samples from 6 –19 inches bgs

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color Light Brown

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No staining or odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL
Pesticides/Herbicides

Cyanide and
Hexavalent Chromium

RCRA Characteristics

TPH DRO/GRO

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 11

Field Sample I.D. Number GP-11 (6"-23") **Time** 12:00 pm

Weather Sunny **Temperature** 80°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil samples from 6 –23 inches bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Light Brown-Orange **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No staining or odors observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide and Hexavalent Chromium</u>	<u>RCRA Characteristics</u>	<u>TPH DRO/GRO</u>

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 12

Field Sample I.D. Number GP-12 (0-5') **Time** 1:40 pm

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 0 –5 feet bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Black, Brown-Orange **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 13

Field Sample I.D. Number GP-13 (0-5') **Time** 12:30 pm

Weather Sunny **Temperature** 80°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 0 –5 and 18 – 20 feet bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Dark Brown, Light Brown **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings up to 300 ppb.

No odor or staining observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/30/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 13

Field Sample I.D. Number GP-13 (18'-20') **Time** 1:00 pm

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil sample from 18 -20 and 0 – 5 feet bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Dark Brown, Light Brown **pH** _____ **Odor** Strong Petroleum Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings up to 300 ppm.

Trace sheen and petroleum odors observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide</u>	<u>Hexavalent Chromium</u>	

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 14

Field Sample I.D. Number GP-14 (6"-18")

Time 10:00 am

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air _____

Soil Soil samples from 6 –18 inches bgs

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color Light Brown-Dark Brown

pH _____

Odor Hydrocarbon Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) PID readings 25.5 ppm.

No staining, hydrocarbon odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL
Pesticides/Herbicides

Cyanide and
Hexavalent Chromium

RCRA Characteristics

TPH DRO/GRO

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 15

Field Sample I.D. Number GP-15 (6"-20")

Time 10:30 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air _____

Soil Soil samples from 6- 20 inches bgs

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color Light Brown

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) PID readings up to 10 ppb.

No staining or odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL
Pesticides/Herbicides

Cyanide

Hexavalent Chromium

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 16

Field Sample I.D. Number GP-16 (0'-5')

Time 10:45 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater

Sediment

Surface Water/Stream

Air

Soil Soil samples from 0- 5 feet bgs

**Other (describe, i.e.
water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water

Measurement Method

Depth of Well

Measurement Method

Volume Removed

Removal Method

Field Test Results

Color Dark Brown-Orange

pH

Odor No Odor

Temperature (°F)

Specific Conductance (umhos/cm)

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No staining or odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL
Pesticides/Herbicides

Cyanide

Hexavalent Chromium

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 17

Field Sample I.D. Number GP-17 (0'-5')

Time 9:00 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air _____

Soil Soil samples from 0- 5 feet bgs

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color Dark Brown-Orange

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) PID readings up to 440 ppb.

No staining or odors observed.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

TCL
Pesticides/Herbicides

Cyanide and
Hexavalent Chromium

RCRA Characteristics

TPH DRO/GRO

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 18

Field Sample I.D. Number GP-18 (6"-18") **Time** 12:30 pm

Weather Overcast **Temperature** 78°F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil Soil samples from 6- 18 inches bgs **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color Light Brown-Orange **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings 0 ppb.

No staining or odors observed.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
<u>TCL Pesticides/Herbicides</u>	<u>Cyanide and Hexavalent Chromium</u>	<u>TPH DRO/GRO</u>	<u>RCRA Characteristics</u>

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 19

Field Sample I.D. Number GP-19 (10"-14") **Time** 11:45 am

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater **Sediment**

Surface Water/Stream **Air**

Soil Soil samples from 10 –14 inches bgs **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water **Measurement Method**

Depth of Well **Measurement Method**

Volume Removed **Removal Method**

Field Test Results

Color Light Brown **pH** **Odor** No Odor

Temperature (°F) **Specific Conductance (umhos/cm)**

Other (OVA, Methane Meter, etc.) PID readings up to 1,310 ppb.

No staining or odors observed.

Constituents Sampled

TCL and CP-51 VOCs + TICs	TCL and CP-51 SVOCs + TICs	PCBs	Selected TAL Metals
TCL Pesticides/Herbicides	Cyanide and Hexavalent Chromium	RCRA Characteristics	TPH DRO/GRO

Remarks:

Soil Boring Logs are located in Appendix C

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 1

Field Sample I.D. Number SV-1

Time 10:52 am-2:27 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 1.2ppm

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 2

Field Sample I.D. Number SV-2

Time 11:37 am-12:07 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 443 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 3

Field Sample I.D. Number SV-3

Time 11:40 am-12:10 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 2,810 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 4

Field Sample I.D. Number SV-4

Time 9:22 am-9:48 am

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 110 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 5

Field Sample I.D. Number SV-5

Time 2:33 pm-3:03 pm

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) _____

PID readings at 50 ppm

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 6

Field Sample I.D. Number SV-6

Time 11:13 am-11:43 am

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) _____

PID readings at 2,000 ppm

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 7

Field Sample I.D. Number SV-7

Time 4:03 pm-4:33 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 1,800 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/24/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 8

Field Sample I.D. Number SV-8

Time 3:05 pm-3:36 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 1,810 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 9

Field Sample I.D. Number SV-9

Time 1:55 pm-2:20 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 530 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 10

Field Sample I.D. Number SV-10

Time 1:40 pm-2:06 pm

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) PID readings at 0 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 11

Field Sample I.D. Number SV-11

Time 11:56 am-12:23 pm

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 0 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 12

Field Sample I.D. Number SV-12

Time 9:28 am-9:46 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 645 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 13

Field Sample I.D. Number SV-13

Time 9:55 am-10:25 am

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) _____

PID readings at 300 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 14

Field Sample I.D. Number SV-14

Time 12:30 pm-1:05 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 255 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 15

Field Sample I.D. Number SV-15

Time 8:40 am-9:13 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 4,015 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 16

Field Sample I.D. Number SV-16

Time 1:10 pm-1:29 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 976 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 17

Field Sample I.D. Number SV-17

Time 3:55 pm-4:33 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____ **pH** _____ **Odor** No Odor

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc.) PID readings at 615 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 18

Field Sample I.D. Number SV-18

Time 1:56 pm-4:33 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) _____

PID readings at 511 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 19

Field Sample I.D. Number SV-19

Time 10:30 am-10:55 am

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater _____

Sediment _____

Surface Water/Stream _____

Air Soil Vapor

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____

Measurement Method _____

Depth of Well _____

Measurement Method _____

Volume Removed _____

Removal Method _____

Field Test Results

Color _____

pH _____

Odor No Odor

Temperature (°F) _____

Specific Conductance (umhos/cm) _____

Other (OVA, Methane Meter, etc.) _____

PID readings at 1,735 ppb

Constituents Sampled

TO-15 with Selective
ion Monitoring (SIM)

Remarks:

Date: 6/30/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 1

Field Sample I.D. Number GW-1

Time 11:00 am

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 22 feet bgs

Measurement Method Water Level Meter

**Depth of
Temporary
Well** 34 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately Two gallons

Removal Method Poly tubing with check valve

Field Test Results

Color Brown **pH** 6.01 **Odor** No Odor

Temperature (°C) 25.11 **Specific Conductance (ms/cm)** 7.81

Other (OVA, Methane Meter, etc.) DO = 4.24 (mg/l), ORP = 70 (mu), Turbidity = >1000 (NTUs)
No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals
(Total and Dissolved)

Remarks:

Date: 6/23/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 5

Field Sample I.D. Number GW-5

Time 3:00 pm

Weather Sunny

Temperature 80°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 12 feet bgs

Measurement Method Water Level Meter

**Depth of
Temporary
Well** 19 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately Two gallons

Removal Method Poly tubing with check valve

Field Test Results

Color Gray **pH** 6.66 **Odor** Slight petroleum odor

Temperature (°C) 21.33 **Specific Conductance (ms/cm)** 1.92

Other (OVA, Methane Meter, etc.) DO = 0.82(mg/l), ORP = -116 (mu), Turbidity = 76 (NTUs), No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 7

Field Sample I.D. Number GW-7

Time 3:15 pm

Weather Partly Cloudy

Temperature 70°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 9 feet bgs

Measurement Method Water Level Meter

**Depth of
Temporary
Well** 17 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately Two gallons

Removal Method Poly tubing with check valve

Field Test Results

Color Brown **pH** 6.96 **Odor** No odor

Temperature (°C) 19.52 **Specific Conductance (ms/cm)** 5.14

Other (OVA, Methane Meter, etc.) DO = 2.02 (mg/l), ORP = -8 (mu), Turbidity = >1000 (NTUs),
No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

Date: 6/25/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 9

Field Sample I.D. Number GW-9 **Time** 12:45 pm

Weather Partly Cloudy **Temperature** 70°F

Sample Type:

Groundwater groundwater **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 20 feet bgs **Measurement Method** Water Level Meter

Depth of Temporary Well 25 feet bgs **Measurement Method** Water Level Meter

Volume Removed Approximately Two gallons **Removal Method** Poly tubing with check valve

Field Test Results

Color Brown **pH** 7.51 **Odor** No odor

Temperature (°C) 23.50 **Specific Conductance (ms/cm)** 1.89

Other (OVA, Methane Meter, etc.) DO = 6.26 (mg/l), ORP = 122 (mu), Turbidity = 472 (NTUs), No sheen.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
_____	_____	_____	<u>(Total and Dissolved)</u>

Remarks:

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 11

Field Sample I.D. Number GW-11 **Time** 11:30 am

Weather Overcast **Temperature** 78°F

Sample Type:

Groundwater groundwater **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 4 feet bgs **Measurement Method** Water Level Meter

Depth of Temporary Well 8 feet bgs **Measurement Method** Water Level Meter

Volume Removed Approximately Two gallons **Removal Method** Poly tubing with check valve

Field Test Results

Color Brown **pH** 6.93 **Odor** No odor

Temperature (°C) 22.15 **Specific Conductance (ms/cm)** 4.67

Other (OVA, Methane Meter, etc.) DO = 4.32 (mg/l), ORP = -54 (mu), Turbidity = 0 (NTUs), No sheen.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
_____	_____	_____	_____
			(Total and Dissolved)

Remarks:

Date: 6/30/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 13

Field Sample I.D. Number GW-13 **Time** 1:30 pm

Weather Partly Cloudy **Temperature** 75°F

Sample Type:

Groundwater groundwater **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 18 feet bgs **Measurement Method** Water Level Meter

Depth of Temporary Well 20 feet bgs **Measurement Method** Water Level Meter

Volume Removed Approximately Two gallons **Removal Method** Poly tubing with check valve

Field Test Results

Color Brown **pH** 7.11 **Odor** Slight Petroleum odor

Temperature (°C) 24.22 **Specific Conductance (ms/cm)** 1.87

Other (OVA, Methane Meter, etc.) DO = 2.18 (mg/l), ORP = -135 (mu), Turbidity = >1000 (NTUs), Trace sheen.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
_____	_____	_____	<u>(Total and Dissolved)</u>

Remarks:

Trace sheen and petroleum odor

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 15

Field Sample I.D. Number GW-15

Time 10:30 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 12 feet bgs

Measurement Method Water Level Meter

**Depth of
Temporary
Well** 19 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately Two gallons

Removal Method Poly tubing with check valve

Field Test Results

Color Brown **pH** 6.43 **Odor** No odor

Temperature (°C) 22.41 **Specific Conductance (ms/cm)** 4.23

Other (OVA, Methane Meter, etc.) DO = 3.04 (mg/l), ORP = 109 (mu), Turbidity = 273 (NTUs), No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 16

Field Sample I.D. Number GW-16 **Time** 11:30 am

Weather Overcast **Temperature** 78°F

Sample Type:

Groundwater groundwater **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 11 feet bgs **Measurement Method** Water Level Meter

Depth of Temporary Well 16 feet bgs **Measurement Method** Water Level Meter

Volume Removed Approximately Two gallons **Removal Method** Poly tubing with check valve

Field Test Results

Color Brown **pH** 7.22 **Odor** No odor

Temperature (°C) 26.96 **Specific Conductance (ms/cm)** 1.87

Other (OVA, Methane Meter, etc.) DO = 8.94 (mg/l), ORP = 104 (mu), Turbidity = 266 (NTUs), No sheen.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
_____	_____	_____	_____
			(Total and Dissolved)

Remarks:

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location 17

Field Sample I.D. Number GW-17

Time 10:00 am

Weather Overcast

Temperature 78°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 11 feet bgs

Measurement Method Water Level Meter

**Depth of
Temporary
Well** 17 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately Two gallons

Removal Method Poly tubing with check valve

Field Test Results

Color Brown **pH** 6.52 **Odor** No odor

Temperature (°C) 18.29 **Specific Conductance (ms/cm)** 3.58

Other (OVA, Methane Meter, etc.) DO = 0.90 (mg/l), ORP = 12 (mu), Turbidity = 824 (NTUs), No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

NYCDEP Sewer
Discharge Parameters

(Total and Dissolved)

Remarks:

Date: 6/26/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Kumar Chakraborty

Sample Location/Well No. Location 18

Field Sample I.D. Number GW-18 **Time** 12:30 pm

Weather Overcast **Temperature** 78°F

Sample Type:

Groundwater groundwater **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 12 feet bgs **Measurement Method** Water Level Meter

Depth of Temporary Well 18 feet bgs **Measurement Method** Water Level Meter

Volume Removed Approximately Two gallons **Removal Method** Poly tubing with check valve

Field Test Results

Color Brown **pH** 6.50 **Odor** No odor

Temperature (°C) 19.04 **Specific Conductance (ms/cm)** 5.63

Other (OVA, Methane Meter, etc.) DO = 4.11 (mg/l), ORP = 109 (mu), Turbidity = 70.5 (NTUs), no sheen.

Constituents Sampled

<u>TCL and CP-51 VOCs + TICs</u>	<u>TCL and CP-51 SVOCs + TICs</u>	<u>PCBs</u>	<u>Selected TAL Metals</u>
_____	_____	_____	_____
			(Total and Dissolved)

Remarks:

Date: 6/27/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location MW-E

Field Sample I.D. Number MW-E

Time 9:45 am

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 16.11 feet bgs

Measurement Method Water Level Meter

Depth of Well 22.7 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately 6 gallons

Removal Method Low Flow Bladder Pump

Field Test Results

Color Clear

pH 6.70

Odor No odor

Temperature (°C) 15.63

Specific Conductance (ms/cm) 3.00

Other (OVA, Methane Meter, etc.) DO = 2.00 (mg/l), ORP = 174 (mu), Turbidity = 31 (NTUs), No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

Date: 6/27/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location MW-F

Field Sample I.D. Number MW-F

Time 4:00 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 12.60 feet bgs

Measurement Method Water Level Meter

Depth of Well 23.20 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately 7.25 gallons

Removal Method Low Flow Bladder Pump

Field Test Results

Color Clear

pH 6.62

Odor Trace petroleum odor

Temperature (°C) 17.19

Specific Conductance (ms/cm) 0.866

Other (OVA, Methane Meter, etc.) DO = 2.15 (mg/l), ORP = -99 (mu), Turbidity = 36 (NTUs), No sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

Date: 6/27/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location MW-G

Field Sample I.D. Number MW-G

Time 5:00 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 12.15 feet bgs

Measurement Method Water Level Meter

Depth of Well 18.25 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately 5 gallons

Removal Method Low Flow Bladder Pump

Field Test Results

Color Slightly Cloudy

pH 6.60

Odor Trace petroleum odor

Temperature (°C) 16.70

Specific Conductance (ms/cm) 0.794

Other (OVA, Methane Meter, etc.) DO = 3.50 (mg/l), ORP = -81 (mu), Turbidity = 28 (NTUs), no sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

Date: 6/27/14

SAMPLE INFORMATION RECORD

Site: 1597-1627 Unionport Road,
1889-1905 Guerlain Street,
1572-1592 White Plains Road and 1880-1894
East Tremont Avenue Bronx, New York 10462

Sample Crew: Keith Robins

Sample Location/Well No. Location MW-H

Field Sample I.D. Number MW-H

Time 5:30 pm

Weather Partly Cloudy

Temperature 75°F

Sample Type:

Groundwater groundwater

Sediment _____

Surface Water/Stream _____

Air _____

Soil _____

**Other (describe, i.e.
water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 10.00 feet bgs

Measurement Method Water Level Meter

Depth of Well 24.80 feet bgs

Measurement Method Water Level Meter

Volume Removed Approximately 10 gallons

Removal Method Low Flow Bladder Pump

Field Test Results

Color Cloudy

pH 7.52

Odor No odor

Temperature (°C) 17.70

Specific Conductance (ms/cm) 0.804

Other (OVA, Methane Meter, etc.) DO = 9.46 (mg/l), ORP = 118 (mu), Turbidity = 230 (NTUs), no sheen.

Constituents Sampled

TCL and CP-51
VOCs + TICs

TCL and CP-51
SVOCs + TICs

PCBs

Selected TAL Metals

(Total and Dissolved)

Remarks:

APPENDIX E

LABORATORY ANALYTICAL DATA REPORTS

DATA FOR
VOLATILE ORGANICS
SEMI-VOLATILE ORGANICS
GC SEMI-VOLATILES
METALS
GENERAL CHEMISTRY

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX

DVIRKA & BARTILUCCI
330 Crossways Park Drive

Woodbury, NY - 11797
Phone No: 516-364-9890

ORDER ID : F2875
ATTENTION : MARIA WRIGHT



DoD ELAP



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date : 07/01/2014

Dear MARIA WRIGHT,

3 water and **22** soil samples for the **NYCSCA Unionport Road Bronx** project were received on **06/24/2014**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Corey J. Petitt

Corey@chemtech.net

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 031794

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION										
REPORT TO BE SENT TO: COMPANY: <u>Durkin & Bertolucci Engineers</u>				PROJECT NAME: <u>SCA - Unipart Bronx</u>				BILL TO: <u>Dr B Engineers</u> PO#:										
ADDRESS: <u>330 Crossways Park Drive</u>				PROJECT NO. <u>3415</u> LOCATION: <u>Bronx</u>				ADDRESS: <u>330 Crossways Park Drive</u>										
CITY: <u>Woodbury</u> STATE: <u>NY</u> ZIP: <u>11792</u>				PROJECT MANAGER: <u>Mike Hufgren</u>				CITY: <u>Woodbury</u> STATE: <u>NY</u> ZIP: <u>11792</u>										
ATTENTION: <u>Keith Robins</u>				e-mail: <u>M.Hufgren@db-eng.com</u>				ATTENTION: <u>Mike Hufgren</u> PHONE: <u>516 364-9850</u>										
PHONE: <u>516 364-9890</u> FAX: <u>516 364-9895</u>				PHONE: <u>516 364-9890</u> FAX: <u>516 364-9890</u>														
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION				ANALYSIS										
FAX: _____ DAYS: _____				<input type="checkbox"/> LEVEL 1: Results only <input type="checkbox"/> Others _____ <input type="checkbox"/> LEVEL 2: Results + QC <input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC <input type="checkbox"/> LEVEL 4: Results + QC (all raw data) <input type="checkbox"/> EDD Format: _____				1 TCL-CP-51 Plus Tics 2 TCL-CP-51 SRO 400 3 TCL-CP-51 SRO 400 4 TCL-CP-51 SRO 400 5 TCL-CP-51 SRO 400 6 Hexamant Chrom 7 TCL-CP-51 SRO 400 8 TCL-CP-51 SRO 400 9 TCL-CP-51 SRO 400 10 TCL-CP-51 SRO 400										
HARD COPY: <u>5 days</u> DAYS: _____																		
EOD: _____ DAYS: _____																		
PREAPPROVED TAT: <input type="checkbox"/> YES <input type="checkbox"/> NO																		
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS																		
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
				DATE	TIME		1	2	3	4	5	6	7	8	9			
1.	GP-4 (0-5')	Soil	✓	6/23/14	1130 am	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
2.	GP-13 (0-5')	Soil	✓	6/23/14	1230 pm	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
3.	GP-5 (10-12')	Soil	✓	6/23/14	120 pm	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
4.	GP-5 (18-20')	Soil	✓	6/23/14	145 pm	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
5.	GW-5	GW	✓	6/23/14	300 pm	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Run Total and Dissolved metals on sample
6.	Trip Blank - 6/23/14	AQ	-	6/23/14	-	2	✓	-	-	-	-	-	-	-	-	-	-	Dis only
7.	GP-1 (0-5')	Soil	✓	6/24/14	925	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
8.	GP-2 (0-5')	Soil	✓	6/24/14	1250 pm	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
9.	GP-12 (0-5')	Soil	✓	6/24/14	140 pm	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP
10.																		
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																		
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:		Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant						Cooler Temp. <u>5°C</u>						
1. <u>Keith Robins</u>		6/24/14 1730		1. <u>[Signature]</u>		MeOH extraction requires an additional 4 oz jar for percent solid.						Ice in Cooler?: <u>Yes</u>						
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		Comments:												
2. <u>[Signature]</u>				2. <u>[Signature]</u>														
RELINQUISHED BY:		DATE/TIME:		RECEIVED FOR LAB BY:		SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT						Shipment Complete: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						
3. <u>[Signature]</u>		6/24/14		3. <u>[Signature]</u>		CHEMTECH <input checked="" type="checkbox"/> PICKED UP <input type="checkbox"/> OVERNIGHT												
Page <u>1</u> of <u>1</u>																		

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

* TAL Metals less Al, Ca, Fe, K, Mg and Na

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 031795

CLIENT INFORMATION

REPORT TO BE SENT TO:

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

COMPANY: D&B Engineer & Arch
ADDRESS: 330 Crossway Park Dr
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: KUMAR Chakraborty
PHONE: 516-364-9890 FAX:

PROJECT NAME: SCA-Union Port Rd Bronx
PROJECT NO: 3415-F2 LOCATION: Bronx
PROJECT MANAGER: M. Hofgren
e-mail: mhofgren@db-eng.com
PHONE: FAX:

BILL TO: Same Client
ADDRESS: information
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX: DAYS *
HARD COPY: 5 day DAYS *
EOD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ LEVEL 1: Results only ☐ Others
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

Analysis List:
1. Austic
2. TCL/CP-SI
3. CP-SI/SVDS
4. TAL Metals
5. PCB
6. TCL/CP-SI/SVDS
7. Cyanide
8. TPH DRD/GRD
9. RCRA charac.
TCLP (HOLD)

CHEMTECH
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

DATE TIME

OF BOTTLES

PRESERVATIVES

COMMENTS

Specify Preservatives
A-HCl B-HNO₃
C-H₂SO₄ D-NaOH
E-ICE F-Other

																			E-ICE	F-Other
1.		SS-11 (6"-23")	S	✓	6/23/14	1200	67	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold	
2.	GP	SS-10 (6"-19")	S	✓	6/23/14	1320	67	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold	
3.	GP	SS-3 (6"-18")	S	✓	6/24/14	1125	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold	
4.	GP	SS-8 (6"-18")	S	✓	6/24/14	1435	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold	
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

DO NOT Analyze
GP-8 for TPH DRO/
GRD or
RCRA
Characteristics

DO NOT Analyze
GP-8 for TPH DRD/
GRD or
RCRA
Characteristics

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. PKM DATE/TIME: 6/24/14 RECEIVED BY: 1. L. Ben
RELINQUISHED BY: 2. DATE/TIME: RECEIVED BY: 2.
RELINQUISHED BY: 3. DATE/TIME: 6-24-14 RECEIVED FOR LAB BY: 3. Shelia M...

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 52
Ice in Cooler?: yes

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☒ YES ☐ NO



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14 11:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
		% Solid:	91.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.129	U	1	0.034	0.129	0.257	mg/Kg	06/26/14	06/30/14 13:52	9012B
Hexavalent Chromium	0.087	J	1	0.087	0.218	0.435	mg/Kg	06/27/14	06/27/14 16:52	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	8.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010259.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	18.2	U	14.5	18.2	73	ug/Kg
120-36-5	DICHLORPROP	18.2	U	13.5	18.2	73	ug/Kg
94-75-7	2,4-D	18.2	U	18.2	18.2	73	ug/Kg
93-72-1	2,4,5-TP (Silvex)	18.2	U	11.9	18.2	73	ug/Kg
93-76-5	2,4,5-T	18.2	U	11.2	18.2	73	ug/Kg
94-82-6	2,4-DB	18.2	U	18.2	18.2	73	ug/Kg
88-85-7	DINOSEB	18.2	U	18.2	18.2	73	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	224		12 - 189		45%	SPK: 500

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.16	UN	1	0.52	1.16	2.32	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	5.18		1	0.307	0.465	0.929	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	154		1	0.372	2.32	4.65	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.595		1	0.056	0.139	0.279	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.139	U	1	0.056	0.139	0.279	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	24.1		1	0.121	0.232	0.465	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	11.5		1	0.53	0.697	1.39	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	52.3	N	1	0.297	0.465	0.929	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	232		1	0.111	0.279	0.557	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	306	D	100	17.7	46.5	92.9	mg/Kg	06/27/14	06/30/14	SW6010
7439-97-6	Mercury	0.15		1	0.005	0.005	0.01	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	20.9		1	0.427	0.929	1.86	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.37	N	1	0.381	0.465	0.929	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	0.925		1	0.139	0.232	0.465	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.929	U	1	0.251	0.929	1.86	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	32.9		1	0.548	0.929	1.86	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	215		1	0.65	0.929	1.86	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875		
Lab Sample ID:	F2875-01	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	8.4	Decanted:	
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003595.D	1	06/28/14	07/01/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.6	U	3.6	3.6	18.5	ug/kg
11104-28-2	Aroclor-1221	3.6	U	3.6	3.6	18.5	ug/kg
11141-16-5	Aroclor-1232	3.6	U	3.6	3.6	18.5	ug/kg
53469-21-9	Aroclor-1242	3.6	U	3.6	3.6	18.5	ug/kg
12672-29-6	Aroclor-1248	3.6	U	3.6	3.6	18.5	ug/kg
11097-69-1	Aroclor-1254	14.3	J	1.6	3.6	18.5	ug/kg
11096-82-5	Aroclor-1260	3.6	U	3.6	3.6	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.3		10 - 166		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		60 - 125		106%	SPK: 20

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	8.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023138.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.36	U	0.142	0.36	1.9	ug/kg
319-85-7	beta-BHC	0.36	U	0.196	0.36	1.9	ug/kg
319-86-8	delta-BHC	0.36	U	0.109	0.36	1.9	ug/kg
58-89-9	gamma-BHC (Lindane)	0.36	U	0.164	0.36	1.9	ug/kg
76-44-8	Heptachlor	0.36	U	0.153	0.36	1.9	ug/kg
309-00-2	Aldrin	0.36	U	0.109	0.36	1.9	ug/kg
1024-57-3	Heptachlor epoxide	0.36	U	0.174	0.36	1.9	ug/kg
959-98-8	Endosulfan I	0.36	U	0.164	0.36	1.9	ug/kg
60-57-1	Dieldrin	0.36	U	0.142	0.36	1.9	ug/kg
72-55-9	4,4-DDE	0.36	U	0.218	0.36	1.9	ug/kg
72-20-8	Endrin	0.36	U	0.196	0.36	1.9	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.153	0.36	1.9	ug/kg
72-54-8	4,4-DDD	0.36	U	0.185	0.36	1.9	ug/kg
1031-07-8	Endosulfan Sulfate	0.36	U	0.164	0.36	1.9	ug/kg
50-29-3	4,4-DDT	0.36	U	0.153	0.36	1.9	ug/kg
72-43-5	Methoxychlor	0.36	U	0.185	0.36	1.9	ug/kg
53494-70-5	Endrin ketone	0.36	U	0.142	0.36	1.9	ug/kg
7421-93-4	Endrin aldehyde	0.36	U	0.164	0.36	1.9	ug/kg
5103-71-9	alpha-Chlordane	0.36	U	0.153	0.36	1.9	ug/kg
5103-74-2	gamma-Chlordane	0.36	U	0.142	0.36	1.9	ug/kg
8001-35-2	Toxaphene	3.6	U	3.6	3.6	18.5	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.1		10 - 169		90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		31 - 151		81%	SPK: 20



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Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875		
Lab Sample ID:	F2875-01	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	8.4	Decanted:	
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023138.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072204.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	72.6	U	37.9	72.6	720	ug/Kg
108-95-2	Phenol	72.6	U	16.8	72.6	720	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	72.6	U	34.9	72.6	720	ug/Kg
95-57-8	2-Chlorophenol	72.6	U	38.3	72.6	720	ug/Kg
95-48-7	2-Methylphenol	72.6	U	39.4	72.6	720	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.6	U	30.1	72.6	720	ug/Kg
98-86-2	Acetophenone	72.6	U	22.2	72.6	720	ug/Kg
65794-96-9	3+4-Methylphenols	72.6	U	37.7	72.6	720	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	72.6	U	36.6	72.6	720	ug/Kg
67-72-1	Hexachloroethane	72.6	U	32.5	72.6	720	ug/Kg
98-95-3	Nitrobenzene	72.6	U	27.4	72.6	720	ug/Kg
78-59-1	Isophorone	72.6	U	24	72.6	720	ug/Kg
88-75-5	2-Nitrophenol	72.6	U	35.1	72.6	720	ug/Kg
105-67-9	2,4-Dimethylphenol	72.6	U	41.2	72.6	720	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.6	U	41.8	72.6	720	ug/Kg
120-83-2	2,4-Dichlorophenol	72.6	U	27.7	72.6	720	ug/Kg
91-20-3	Naphthalene	72.6	U	25.1	72.6	720	ug/Kg
106-47-8	4-Chloroaniline	72.6	U	51.2	72.6	720	ug/Kg
87-68-3	Hexachlorobutadiene	72.6	U	26.4	72.6	720	ug/Kg
105-60-2	Caprolactam	150	U	33.8	150	720	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72.6	U	32.2	72.6	720	ug/Kg
91-57-6	2-Methylnaphthalene	72.6	U	18.3	72.6	720	ug/Kg
77-47-4	Hexachlorocyclopentadiene	72.6	U	17.6	72.6	720	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.6	U	22.2	72.6	720	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.6	U	51	72.6	720	ug/Kg
92-52-4	1,1-Biphenyl	72.6	U	27.4	72.6	720	ug/Kg
91-58-7	2-Chloronaphthalene	72.6	U	16.6	72.6	720	ug/Kg
88-74-4	2-Nitroaniline	72.6	U	32.2	72.6	720	ug/Kg
131-11-3	Dimethylphthalate	460	J	19.6	72.6	720	ug/Kg
208-96-8	Acenaphthylene	72.6	U	18.3	72.6	720	ug/Kg
606-20-2	2,6-Dinitrotoluene	72.6	U	29.6	72.6	720	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072204.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	150	U	46.6	150	720	ug/Kg
83-32-9	Acenaphthene	72.6	U	20.5	72.6	720	ug/Kg
51-28-5	2,4-Dinitrophenol	580	U	73.8	580	720	ug/Kg
100-02-7	4-Nitrophenol	360	U	130	360	720	ug/Kg
132-64-9	Dibenzofuran	72.6	U	28.3	72.6	720	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.6	U	21.8	72.6	720	ug/Kg
84-66-2	Diethylphthalate	72.6	U	11.3	72.6	720	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	72.6	U	39.4	72.6	720	ug/Kg
86-73-7	Fluorene	72.6	U	27.4	72.6	720	ug/Kg
100-01-6	4-Nitroaniline	150	U	94.5	150	720	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	41.6	360	720	ug/Kg
86-30-6	n-Nitrosodiphenylamine	72.6	U	17.4	72.6	720	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.6	U	14.2	72.6	720	ug/Kg
118-74-1	Hexachlorobenzene	72.6	U	29.6	72.6	720	ug/Kg
1912-24-9	Atrazine	72.6	U	38.3	72.6	720	ug/Kg
87-86-5	Pentachlorophenol	72.6	U	49.7	72.6	720	ug/Kg
85-01-8	Phenanthrene	770		19.6	72.6	720	ug/Kg
120-12-7	Anthracene	220	J	14.8	72.6	720	ug/Kg
86-74-8	Carbazole	72.6	U	15.9	72.6	720	ug/Kg
84-74-2	Di-n-butylphthalate	72.6	U	57.1	72.6	720	ug/Kg
206-44-0	Fluoranthene	1100		14.6	72.6	720	ug/Kg
129-00-0	Pyrene	960		17.4	72.6	720	ug/Kg
85-68-7	Butylbenzylphthalate	72.6	U	34.9	72.6	720	ug/Kg
91-94-1	3,3-Dichlorobenzidine	72.6	U	46.6	72.6	720	ug/Kg
56-55-3	Benzo(a)anthracene	580	J	34.6	72.6	720	ug/Kg
218-01-9	Chrysene	560	J	32.9	72.6	720	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.6	U	25.7	72.6	720	ug/Kg
117-84-0	Di-n-octyl phthalate	72.6	U	8.3	72.6	720	ug/Kg
205-99-2	Benzo(b)fluoranthene	550	J	23.7	72.6	720	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	J	34.2	72.6	720	ug/Kg
50-32-8	Benzo(a)pyrene	510	J	15.7	72.6	720	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280	J	24.2	72.6	720	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	72.6	U	20.9	72.6	720	ug/Kg

Report of Analysis

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Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072204.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	320	J	29.4	72.6	720	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	72.6	U	28.5	72.6	720	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	72.6	U	28.5	72.6	720	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		72%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		72%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.7		31 - 132		63%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.1		39 - 123		62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.8		30 - 133		65%	SPK: 150
1718-51-0	Terphenyl-d14	56.6		37 - 115		57%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50761	7.2				
1146-65-2	Naphthalene-d8	212054	8.78				
15067-26-2	Acenaphthene-d10	113769	10.95				
1517-22-2	Phenanthrene-d10	201693	12.78				
1719-03-5	Chrysene-d12	229741	16.05				
1520-96-3	Perylene-d12	217450	17.76				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	11800	J			1.41	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	610	J			1.68	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	420	A			4.94	ug/Kg
	unknown6.92	2800	J			6.92	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	440	J			13.53	ug/Kg
001599-67-3	1-Docosene	300	J			15.96	ug/Kg
	unknown17.56	180	J			17.56	ug/Kg
000198-55-0	Perylene	310	J			17.64	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072204.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.4
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008790.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	0.44	4.4	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-01-4	Vinyl Chloride	0.44	U	0.44	0.44	4.4	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	0.89	4.4	ug/Kg
75-00-3	Chloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.44	U	0.44	0.44	4.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
67-64-1	Acetone	48.6		2.2	2.2	22.2	ug/Kg
75-15-0	Carbon Disulfide	0.44	U	0.44	0.44	4.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.44	U	0.44	0.44	4.4	ug/Kg
79-20-9	Methyl Acetate	0.89	U	0.89	0.89	4.4	ug/Kg
75-09-2	Methylene Chloride	0.44	U	0.44	0.44	4.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
110-82-7	Cyclohexane	0.44	U	0.44	0.44	4.4	ug/Kg
78-93-3	2-Butanone	6.7	U	2.8	6.7	22.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.44	U	0.44	0.44	4.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
74-97-5	Bromochloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
67-66-3	Chloroform	0.44	U	0.44	0.44	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
108-87-2	Methylcyclohexane	0.44	U	0.44	0.44	4.4	ug/Kg
71-43-2	Benzene	0.44	U	0.34	0.44	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
79-01-6	Trichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.44	U	0.23	0.44	4.4	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.2	U	2.2	2.2	22.2	ug/Kg
108-88-3	Toluene	0.44	U	0.44	0.44	4.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	0.44	4.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.4
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008790.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	0.44	4.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.89	U	0.8	0.89	4.4	ug/Kg
591-78-6	2-Hexanone	2.2	U	2.2	2.2	22.2	ug/Kg
124-48-1	Dibromochloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.44	U	0.44	0.44	4.4	ug/Kg
127-18-4	Tetrachloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
108-90-7	Chlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	0.44	4.4	ug/Kg
179601-23-1	m/p-Xylenes	0.89	U	0.64	0.89	8.9	ug/Kg
95-47-6	o-Xylene	0.44	U	0.44	0.44	4.4	ug/Kg
100-42-5	Styrene	0.44	U	0.4	0.44	4.4	ug/Kg
75-25-2	Bromoform	1.3	U	0.66	1.3	4.4	ug/Kg
98-82-8	Isopropylbenzene	0.44	U	0.43	0.44	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.41	0.44	4.4	ug/Kg
103-65-1	n-propylbenzene	0.44	U	0.32	0.44	4.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.44	U	0.4	0.44	4.4	ug/Kg
98-06-6	tert-Butylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
135-98-8	sec-Butylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.44	U	0.26	0.44	4.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.44	U	0.33	0.44	4.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	0.36	0.44	4.4	ug/Kg
104-51-8	n-Butylbenzene	0.44	U	0.41	0.44	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	0.77	4.4	4.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
91-20-3	Naphthalene	2.2	J	0.4	0.44	4.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.44	0.89	4.4	ug/Kg
123-91-1	1,4-Dioxane	88.8	U	88.8	88.8	88.8	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		56 - 120		94%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		57 - 135		104%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-4(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.4
Sample Wt/Vol:	6.15	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RXI-624	Test:	VOCMS Group1
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008790.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.5		67 - 123		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		33 - 141		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	815463	7.43				
540-36-3	1,4-Difluorobenzene	1149150	8.37				
3114-55-4	Chlorobenzene-d5	919324	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	421008	13.15				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown4.32	6.1	J			4.32	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14 12:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
		% Solid:	85.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.142	U	1	0.037	0.142	0.283	mg/Kg	06/26/14	06/30/14 13:52	9012B
Hexavalent Chromium	0.225	U	1	0.09	0.225	0.449	mg/Kg	06/27/14	06/27/14 16:54	7196A

Comments:

U = Not Detected

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	14.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010260.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.4	U	15.4	19.4	77.8	ug/Kg
120-36-5	DICHLORPROP	19.4	U	14.3	19.4	77.8	ug/Kg
94-75-7	2,4-D	19.4	U	19.4	19.4	77.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.4	U	12.7	19.4	77.8	ug/Kg
93-76-5	2,4,5-T	19.4	U	11.9	19.4	77.8	ug/Kg
94-82-6	2,4-DB	19.4	U	19.4	19.4	77.8	ug/Kg
88-85-7	DINOSEB	19.4	U	19.4	19.4	77.8	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	81.8		12 - 189		16%	SPK: 500

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P = Indicates >25% difference for detected concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.19	UN	1	0.532	1.19	2.38	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	4.43		1	0.314	0.475	0.95	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	142		1	0.38	2.38	4.75	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.669		1	0.057	0.143	0.285	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.143	U	1	0.057	0.143	0.285	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	29.2		1	0.124	0.238	0.475	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	12.4		1	0.542	0.713	1.43	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	36.2	N	1	0.304	0.475	0.95	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	151		1	0.114	0.285	0.57	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	374		1	0.181	0.475	0.95	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.258		1	0.005	0.005	0.01	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	25.6		1	0.437	0.95	1.9	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.18	N	1	0.39	0.475	0.95	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	1.3		1	0.143	0.238	0.475	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.95	U	1	0.257	0.95	1.9	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	30		1	0.561	0.95	1.9	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	203		1	0.665	0.95	1.9	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
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 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875		
Lab Sample ID:	F2875-02	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	14.1	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003567.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.9	U	3.9	3.9	19.8	ug/kg
11104-28-2	Aroclor-1221	3.9	U	3.9	3.9	19.8	ug/kg
11141-16-5	Aroclor-1232	3.9	U	3.9	3.9	19.8	ug/kg
53469-21-9	Aroclor-1242	3.9	U	3.9	3.9	19.8	ug/kg
12672-29-6	Aroclor-1248	3.9	U	3.9	3.9	19.8	ug/kg
11097-69-1	Aroclor-1254	21.2		1.7	3.9	19.8	ug/kg
11096-82-5	Aroclor-1260	3.9	U	3.9	3.9	19.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.6		10 - 166		83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		60 - 125		88%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	14.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023139.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.384	U	0.151	0.384	2	ug/kg
319-85-7	beta-BHC	0.384	U	0.209	0.384	2	ug/kg
319-86-8	delta-BHC	0.384	U	0.116	0.384	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.384	U	0.174	0.384	2	ug/kg
76-44-8	Heptachlor	0.384	U	0.163	0.384	2	ug/kg
309-00-2	Aldrin	0.384	U	0.116	0.384	2	ug/kg
1024-57-3	Heptachlor epoxide	0.384	U	0.186	0.384	2	ug/kg
959-98-8	Endosulfan I	0.384	U	0.174	0.384	2	ug/kg
60-57-1	Dieldrin	0.384	U	0.151	0.384	2	ug/kg
72-55-9	4,4-DDE	0.384	U	0.232	0.384	2	ug/kg
72-20-8	Endrin	0.384	U	0.209	0.384	2	ug/kg
33213-65-9	Endosulfan II	0.384	U	0.163	0.384	2	ug/kg
72-54-8	4,4-DDD	0.384	U	0.198	0.384	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.384	U	0.174	0.384	2	ug/kg
50-29-3	4,4-DDT	0.384	U	0.163	0.384	2	ug/kg
72-43-5	Methoxychlor	0.384	U	0.198	0.384	2	ug/kg
53494-70-5	Endrin ketone	0.384	U	0.151	0.384	2	ug/kg
7421-93-4	Endrin aldehyde	0.384	U	0.174	0.384	2	ug/kg
5103-71-9	alpha-Chlordane	0.384	U	0.163	0.384	2	ug/kg
5103-74-2	gamma-Chlordane	0.384	U	0.151	0.384	2	ug/kg
8001-35-2	Toxaphene	3.9	U	3.9	3.9	19.8	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.6		10 - 169		83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.3		31 - 151		81%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875		
Lab Sample ID:	F2875-02	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	14.1	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023139.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072199.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	38.8	U	20.2	38.8	380	ug/Kg
108-95-2	Phenol	38.8	U	9	38.8	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.8	U	18.6	38.8	380	ug/Kg
95-57-8	2-Chlorophenol	38.8	U	20.5	38.8	380	ug/Kg
95-48-7	2-Methylphenol	38.8	U	21	38.8	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.8	U	16	38.8	380	ug/Kg
98-86-2	Acetophenone	38.8	U	11.9	38.8	380	ug/Kg
65794-96-9	3+4-Methylphenols	38.8	U	20.1	38.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.8	U	19.5	38.8	380	ug/Kg
67-72-1	Hexachloroethane	38.8	U	17.3	38.8	380	ug/Kg
98-95-3	Nitrobenzene	38.8	U	14.6	38.8	380	ug/Kg
78-59-1	Isophorone	38.8	U	12.8	38.8	380	ug/Kg
88-75-5	2-Nitrophenol	38.8	U	18.7	38.8	380	ug/Kg
105-67-9	2,4-Dimethylphenol	38.8	U	22	38.8	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.8	U	22.3	38.8	380	ug/Kg
120-83-2	2,4-Dichlorophenol	38.8	U	14.8	38.8	380	ug/Kg
91-20-3	Naphthalene	38.8	U	13.4	38.8	380	ug/Kg
106-47-8	4-Chloroaniline	38.8	U	27.3	38.8	380	ug/Kg
87-68-3	Hexachlorobutadiene	38.8	U	14.1	38.8	380	ug/Kg
105-60-2	Caprolactam	77.5	U	18	77.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	38.8	U	17.2	38.8	380	ug/Kg
91-57-6	2-Methylnaphthalene	38.8	U	9.8	38.8	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	38.8	U	9.4	38.8	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	38.8	U	11.9	38.8	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.8	U	27.2	38.8	380	ug/Kg
92-52-4	1,1-Biphenyl	38.7	U	14.6	38.7	380	ug/Kg
91-58-7	2-Chloronaphthalene	38.8	U	8.8	38.8	380	ug/Kg
88-74-4	2-Nitroaniline	38.8	U	17.2	38.8	380	ug/Kg
131-11-3	Dimethylphthalate	720		10.5	38.8	380	ug/Kg
208-96-8	Acenaphthylene	38.8	U	9.8	38.8	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	15.8	38.8	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072199.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	77.5	U	24.9	77.5	380	ug/Kg
83-32-9	Acenaphthene	38.8	U	10.9	38.8	380	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	39.4	310	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	72	190	380	ug/Kg
132-64-9	Dibenzofuran	38.8	U	15.1	38.8	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	38.8	U	11.6	38.8	380	ug/Kg
84-66-2	Diethylphthalate	38.8	U	6	38.8	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	38.8	U	21	38.8	380	ug/Kg
86-73-7	Fluorene	38.8	U	14.6	38.8	380	ug/Kg
100-01-6	4-Nitroaniline	77.5	U	50.5	77.5	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	22.2	190	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.8	U	9.3	38.8	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38.8	U	7.6	38.8	380	ug/Kg
118-74-1	Hexachlorobenzene	38.8	U	15.8	38.8	380	ug/Kg
1912-24-9	Atrazine	38.8	U	20.5	38.8	380	ug/Kg
87-86-5	Pentachlorophenol	38.8	U	26.5	38.8	380	ug/Kg
85-01-8	Phenanthrene	180	J	10.5	38.8	380	ug/Kg
120-12-7	Anthracene	38.8	U	7.9	38.8	380	ug/Kg
86-74-8	Carbazole	38.8	U	8.5	38.8	380	ug/Kg
84-74-2	Di-n-butylphthalate	38.8	U	30.5	38.8	380	ug/Kg
206-44-0	Fluoranthene	630		7.8	38.8	380	ug/Kg
129-00-0	Pyrene	600		9.3	38.8	380	ug/Kg
85-68-7	Butylbenzylphthalate	38.8	U	18.6	38.8	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.8	U	24.9	38.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	400		18.5	38.8	380	ug/Kg
218-01-9	Chrysene	360	J	17.6	38.8	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	38.8	U	13.7	38.8	380	ug/Kg
117-84-0	Di-n-octyl phthalate	38.8	U	4.4	38.8	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	490		12.7	38.8	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	230	J	18.3	38.8	380	ug/Kg
50-32-8	Benzo(a)pyrene	420		8.4	38.8	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	J	12.9	38.8	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38.8	U	11.2	38.8	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072199.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	300	J	15.7	38.8	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38.8	U	15.2	38.8	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38.8	U	15.2	38.8	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		78%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		75%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.3		31 - 132		72%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		39 - 123		69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		30 - 133		67%	SPK: 150
1718-51-0	Terphenyl-d14	73		37 - 115		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56683	7.2				
1146-65-2	Naphthalene-d8	238266	8.78				
15067-26-2	Acenaphthene-d10	130563	10.95				
1517-22-2	Phenanthrene-d10	229549	12.78				
1719-03-5	Chrysene-d12	242119	16.05				
1520-96-3	Perylene-d12	229890	17.71				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown1.42	13600	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	800	J			1.69	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	580	A			4.94	ug/Kg
	unknown6.92	3500	J			6.92	ug/Kg
000112-95-8	Eicosane	99.6	J			12.14	ug/Kg
	unknown13.53	340	J			13.53	ug/Kg
052078-56-5	11-Tricosene	280	J			15.96	ug/Kg
000084-77-5	Didecyl phthalate	150	J			17.21	ug/Kg
000192-97-2	Benzo[e]pyrene	230	J			17.59	ug/Kg
	unknown17.87	260	J			17.87	ug/Kg
	unknown18.79	260	J			18.79	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072199.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.1
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008779.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.49	U	0.49	0.49	4.9	ug/Kg
74-87-3	Chloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
75-01-4	Vinyl Chloride	0.49	U	0.49	0.49	4.9	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	0.97	4.9	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.49	U	0.49	0.49	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	0.49	0.49	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
67-64-1	Acetone	10.3	J	2.4	2.4	24.3	ug/Kg
75-15-0	Carbon Disulfide	0.49	U	0.49	0.49	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	0.49	4.9	ug/Kg
79-20-9	Methyl Acetate	0.97	U	0.97	0.97	4.9	ug/Kg
75-09-2	Methylene Chloride	0.49	U	0.49	0.49	4.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
110-82-7	Cyclohexane	0.49	U	0.49	0.49	4.9	ug/Kg
78-93-3	2-Butanone	7.3	U	3	7.3	24.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.49	U	0.49	0.49	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
74-97-5	Bromochloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	0.49	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
108-87-2	Methylcyclohexane	0.49	U	0.49	0.49	4.9	ug/Kg
71-43-2	Benzene	0.49	U	0.37	0.49	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
79-01-6	Trichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	0.49	U	0.25	0.49	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.4	U	2.4	2.4	24.3	ug/Kg
108-88-3	Toluene	0.49	U	0.49	0.49	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	0.49	4.9	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.1
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008779.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	0.49	4.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.97	U	0.87	0.97	4.9	ug/Kg
591-78-6	2-Hexanone	2.4	U	2.4	2.4	24.3	ug/Kg
124-48-1	Dibromochloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	0.49	U	0.49	0.49	4.9	ug/Kg
127-18-4	Tetrachloroethene	2.1	J	0.49	0.49	4.9	ug/Kg
108-90-7	Chlorobenzene	0.49	U	0.49	0.49	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	0.49	4.9	ug/Kg
179601-23-1	m/p-Xylenes	0.97	U	0.7	0.97	9.7	ug/Kg
95-47-6	o-Xylene	0.49	U	0.49	0.49	4.9	ug/Kg
100-42-5	Styrene	0.49	U	0.44	0.49	4.9	ug/Kg
75-25-2	Bromoform	1.5	U	0.72	1.5	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	0.47	0.49	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	0.45	0.49	4.9	ug/Kg
103-65-1	n-propylbenzene	0.49	U	0.35	0.49	4.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.44	0.49	4.9	ug/Kg
98-06-6	tert-Butylbenzene	0.49	U	0.49	0.49	4.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	0.49	4.9	ug/Kg
135-98-8	sec-Butylbenzene	0.49	U	0.49	0.49	4.9	ug/Kg
99-87-6	p-Isopropyltoluene	0.49	U	0.28	0.49	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.49	U	0.36	0.49	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.49	U	0.4	0.49	4.9	ug/Kg
104-51-8	n-Butylbenzene	0.49	U	0.45	0.49	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	0.49	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.9	U	0.85	4.9	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.49	U	0.49	0.49	4.9	ug/Kg
91-20-3	Naphthalene	0.49	U	0.44	0.49	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.97	U	0.49	0.97	4.9	ug/Kg
123-91-1	1,4-Dioxane	97.2	U	97.2	97.2	97.2	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		56 - 120		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		57 - 135		102%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-13(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.1
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008779.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.7		67 - 123		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.6		33 - 141		77%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	705212	7.43				
540-36-3	1,4-Difluorobenzene	1018390	8.37				
3114-55-4	Chlorobenzene-d5	789000	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	331356	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14 13:20
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
		% Solid:	82.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.147	U	1	0.039	0.147	0.293	mg/Kg	06/26/14	06/30/14 13:52	9012B
Hexavalent Chromium	0.24	U	1	0.096	0.24	0.48	mg/Kg	06/27/14	06/27/14 16:54	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	17.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010261.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	20.1	U	16	20.1	80.9	ug/Kg
120-36-5	DICHLORPROP	20.1	U	14.9	20.1	80.9	ug/Kg
94-75-7	2,4-D	20.1	U	20.1	20.1	80.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	20.1	U	13.2	20.1	80.9	ug/Kg
93-76-5	2,4,5-T	20.1	U	12.4	20.1	80.9	ug/Kg
94-82-6	2,4-DB	20.1	U	20.1	20.1	80.9	ug/Kg
88-85-7	DINOSEB	20.1	U	20.1	20.1	80.9	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	245		12 - 189		49%	SPK: 500

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P = Indicates >25% difference for detected concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.31	UN	1	0.586	1.31	2.62	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	1.88		1	0.345	0.523	1.05	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	73.7		1	0.419	2.62	5.23	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.629		1	0.063	0.157	0.314	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.157	U	1	0.063	0.157	0.314	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	31.6		1	0.136	0.262	0.523	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	13		1	0.597	0.785	1.57	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	21.8	N	1	0.335	0.523	1.05	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	11.4		1	0.126	0.314	0.628	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	249		1	0.199	0.523	1.05	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.023		1	0.005	0.005	0.011	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	21.8		1	0.482	1.05	2.09	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.4	N	1	0.429	0.523	1.05	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	0.755		1	0.157	0.262	0.523	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	1.05	U	1	0.283	1.05	2.09	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	37.5		1	0.618	1.05	2.09	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	55.1		1	0.733	1.05	2.09	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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LOD = Limit of Detection

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J = Estimated Value

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N =Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875		
Lab Sample ID:	F2875-03	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	17.3	Decanted:	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003568.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4	U	4	4	20.5	ug/kg
11104-28-2	Aroclor-1221	4	U	4	4	20.5	ug/kg
11141-16-5	Aroclor-1232	4	U	4	4	20.5	ug/kg
53469-21-9	Aroclor-1242	4	U	4	4	20.5	ug/kg
12672-29-6	Aroclor-1248	4	U	4	4	20.5	ug/kg
11097-69-1	Aroclor-1254	15.9	J	1.8	4	20.5	ug/kg
11096-82-5	Aroclor-1260	4	U	4	4	20.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.5		10 - 166		92%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		60 - 125		84%	SPK: 20

U = Not Detected

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LOD = Limit of Detection

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	17.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023140.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.399	U	0.157	0.399	2.1	ug/kg
319-85-7	beta-BHC	0.399	U	0.218	0.399	2.1	ug/kg
319-86-8	delta-BHC	0.399	U	0.121	0.399	2.1	ug/kg
58-89-9	gamma-BHC (Lindane)	0.399	U	0.181	0.399	2.1	ug/kg
76-44-8	Heptachlor	0.399	U	0.169	0.399	2.1	ug/kg
309-00-2	Aldrin	0.399	U	0.121	0.399	2.1	ug/kg
1024-57-3	Heptachlor epoxide	0.399	U	0.193	0.399	2.1	ug/kg
959-98-8	Endosulfan I	0.399	U	0.181	0.399	2.1	ug/kg
60-57-1	Dieldrin	0.399	U	0.157	0.399	2.1	ug/kg
72-55-9	4,4-DDE	0.399	U	0.242	0.399	2.1	ug/kg
72-20-8	Endrin	0.399	U	0.218	0.399	2.1	ug/kg
33213-65-9	Endosulfan II	0.399	U	0.169	0.399	2.1	ug/kg
72-54-8	4,4-DDD	0.399	U	0.205	0.399	2.1	ug/kg
1031-07-8	Endosulfan Sulfate	0.399	U	0.181	0.399	2.1	ug/kg
50-29-3	4,4-DDT	0.399	U	0.169	0.399	2.1	ug/kg
72-43-5	Methoxychlor	0.399	U	0.205	0.399	2.1	ug/kg
53494-70-5	Endrin ketone	0.399	U	0.157	0.399	2.1	ug/kg
7421-93-4	Endrin aldehyde	0.399	U	0.181	0.399	2.1	ug/kg
5103-71-9	alpha-Chlordane	0.399	U	0.169	0.399	2.1	ug/kg
5103-74-2	gamma-Chlordane	0.399	U	0.157	0.399	2.1	ug/kg
8001-35-2	Toxaphene	4	U	4	4	20.5	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19		10 - 169		95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		31 - 151		98%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875		
Lab Sample ID:	F2875-03	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	17.3	Decanted:	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023140.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072183.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	40.2	U	21	40.2	400	ug/Kg
108-95-2	Phenol	40.2	U	9.3	40.2	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	40.2	U	19.3	40.2	400	ug/Kg
95-57-8	2-Chlorophenol	40.2	U	21.2	40.2	400	ug/Kg
95-48-7	2-Methylphenol	40.2	U	21.8	40.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.2	U	16.6	40.2	400	ug/Kg
98-86-2	Acetophenone	40.2	U	12.3	40.2	400	ug/Kg
65794-96-9	3+4-Methylphenols	40.2	U	20.9	40.2	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.2	U	20.3	40.2	400	ug/Kg
67-72-1	Hexachloroethane	40.2	U	18	40.2	400	ug/Kg
98-95-3	Nitrobenzene	40.2	U	15.2	40.2	400	ug/Kg
78-59-1	Isophorone	40.2	U	13.3	40.2	400	ug/Kg
88-75-5	2-Nitrophenol	40.2	U	19.4	40.2	400	ug/Kg
105-67-9	2,4-Dimethylphenol	40.2	U	22.8	40.2	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40.2	U	23.1	40.2	400	ug/Kg
120-83-2	2,4-Dichlorophenol	40.2	U	15.3	40.2	400	ug/Kg
91-20-3	Naphthalene	560		13.9	40.2	400	ug/Kg
106-47-8	4-Chloroaniline	40.2	U	28.3	40.2	400	ug/Kg
87-68-3	Hexachlorobutadiene	40.2	U	14.6	40.2	400	ug/Kg
105-60-2	Caprolactam	80.4	U	18.7	80.4	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40.2	U	17.8	40.2	400	ug/Kg
91-57-6	2-Methylnaphthalene	640		10.1	40.2	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	40.2	U	9.8	40.2	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	40.2	U	12.3	40.2	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40.2	U	28.2	40.2	400	ug/Kg
92-52-4	1,1-Biphenyl	40.2	U	15.2	40.2	400	ug/Kg
91-58-7	2-Chloronaphthalene	40.2	U	9.2	40.2	400	ug/Kg
88-74-4	2-Nitroaniline	40.2	U	17.8	40.2	400	ug/Kg
131-11-3	Dimethylphthalate	950		10.9	40.2	400	ug/Kg
208-96-8	Acenaphthylene	40.2	U	10.1	40.2	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	16.4	40.2	400	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072183.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	80.4	U	25.8	80.4	400	ug/Kg
83-32-9	Acenaphthene	40.2	U	11.3	40.2	400	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	40.9	320	400	ug/Kg
100-02-7	4-Nitrophenol	200	U	74.6	200	400	ug/Kg
132-64-9	Dibenzofuran	40.2	U	15.7	40.2	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	40.2	U	12.1	40.2	400	ug/Kg
84-66-2	Diethylphthalate	40.2	U	6.3	40.2	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	40.2	U	21.8	40.2	400	ug/Kg
86-73-7	Fluorene	40.2	U	15.2	40.2	400	ug/Kg
100-01-6	4-Nitroaniline	80.4	U	52.3	80.4	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	23	200	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.2	U	9.6	40.2	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	40.2	U	7.8	40.2	400	ug/Kg
118-74-1	Hexachlorobenzene	40.2	U	16.4	40.2	400	ug/Kg
1912-24-9	Atrazine	40.2	U	21.2	40.2	400	ug/Kg
87-86-5	Pentachlorophenol	40.2	U	27.5	40.2	400	ug/Kg
85-01-8	Phenanthrene	40.2	U	10.9	40.2	400	ug/Kg
120-12-7	Anthracene	40.2	U	8.2	40.2	400	ug/Kg
86-74-8	Carbazole	40.2	U	8.8	40.2	400	ug/Kg
84-74-2	Di-n-butylphthalate	40.2	U	31.6	40.2	400	ug/Kg
206-44-0	Fluoranthene	40.2	U	8.1	40.2	400	ug/Kg
129-00-0	Pyrene	40.2	U	9.6	40.2	400	ug/Kg
85-68-7	Butylbenzylphthalate	40.2	U	19.3	40.2	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.2	U	25.8	40.2	400	ug/Kg
56-55-3	Benzo(a)anthracene	40.2	U	19.2	40.2	400	ug/Kg
218-01-9	Chrysene	40.2	U	18.2	40.2	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	40.2	U	14.2	40.2	400	ug/Kg
117-84-0	Di-n-octyl phthalate	40.2	U	4.6	40.2	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	40.2	U	13.1	40.2	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	40.2	U	18.9	40.2	400	ug/Kg
50-32-8	Benzo(a)pyrene	40.2	U	8.7	40.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40.2	U	13.4	40.2	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	40.2	U	11.6	40.2	400	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072183.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	40.2	U	16.3	40.2	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40.2	U	15.8	40.2	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40.2	U	15.8	40.2	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	140		28 - 127		94%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127		88%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.1		31 - 132		90%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.6		39 - 123		90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		30 - 133		101%	SPK: 150
1718-51-0	Terphenyl-d14	82.9		37 - 115		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52634	7.2				
1146-65-2	Naphthalene-d8	210130	8.78				
15067-26-2	Acenaphthene-d10	109197	10.95				
1517-22-2	Phenanthrene-d10	202441	12.78				
1719-03-5	Chrysene-d12	243354	16.05				
1520-96-3	Perylene-d12	202005	17.72				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	15500	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	950	J			1.69	ug/Kg
000111-65-9	Octane	690	J			4.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	720	A			4.94	ug/Kg
	unknown6.92	4200	J			6.92	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.3
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013841.D	10		06/26/14	VR062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	250	U	250	250	2500	ug/Kg
74-87-3	Chloromethane	250	U	250	250	2500	ug/Kg
75-01-4	Vinyl Chloride	250	U	250	250	2500	ug/Kg
74-83-9	Bromomethane	500	U	500	500	2500	ug/Kg
75-00-3	Chloroethane	250	U	250	250	2500	ug/Kg
75-69-4	Trichlorofluoromethane	250	U	250	250	2500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	250	U	250	250	2500	ug/Kg
75-35-4	1,1-Dichloroethene	250	U	250	250	2500	ug/Kg
67-64-1	Acetone	1200	U	1200	1200	12400	ug/Kg
75-15-0	Carbon Disulfide	250	U	250	250	2500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	250	U	250	250	2500	ug/Kg
79-20-9	Methyl Acetate	500	U	500	500	2500	ug/Kg
75-09-2	Methylene Chloride	250	U	250	250	2500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	250	U	250	250	2500	ug/Kg
75-34-3	1,1-Dichloroethane	250	U	250	250	2500	ug/Kg
110-82-7	Cyclohexane	53900	E	250	250	2500	ug/Kg
78-93-3	2-Butanone	3700	U	1500	3700	12400	ug/Kg
56-23-5	Carbon Tetrachloride	250	U	250	250	2500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	250	U	250	250	2500	ug/Kg
74-97-5	Bromochloromethane	250	U	250	250	2500	ug/Kg
67-66-3	Chloroform	250	U	250	250	2500	ug/Kg
71-55-6	1,1,1-Trichloroethane	250	U	250	250	2500	ug/Kg
108-87-2	Methylcyclohexane	94200	E	250	250	2500	ug/Kg
71-43-2	Benzene	7000		190	250	2500	ug/Kg
107-06-2	1,2-Dichloroethane	250	U	250	250	2500	ug/Kg
79-01-6	Trichloroethene	250	U	250	250	2500	ug/Kg
78-87-5	1,2-Dichloropropane	250	U	130	250	2500	ug/Kg
75-27-4	Bromodichloromethane	250	U	250	250	2500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1200	U	1200	1200	12400	ug/Kg
108-88-3	Toluene	3400		250	250	2500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	250	U	250	250	2500	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.3
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013841.D	10		06/26/14	VR062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	250	U	250	250	2500	ug/Kg
79-00-5	1,1,2-Trichloroethane	500	U	450	500	2500	ug/Kg
591-78-6	2-Hexanone	1200	U	1200	1200	12400	ug/Kg
124-48-1	Dibromochloromethane	250	U	250	250	2500	ug/Kg
106-93-4	1,2-Dibromoethane	250	U	250	250	2500	ug/Kg
127-18-4	Tetrachloroethene	250	U	250	250	2500	ug/Kg
108-90-7	Chlorobenzene	250	U	250	250	2500	ug/Kg
100-41-4	Ethyl Benzene	58300	E	250	250	2500	ug/Kg
179601-23-1	m/p-Xylenes	204300	E	360	500	5000	ug/Kg
95-47-6	o-Xylene	77000	E	250	250	2500	ug/Kg
100-42-5	Styrene	250	U	220	250	2500	ug/Kg
75-25-2	Bromoform	750	U	370	750	2500	ug/Kg
98-82-8	Isopropylbenzene	14300		240	250	2500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	250	U	230	250	2500	ug/Kg
103-65-1	n-propylbenzene	41100		180	250	2500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	74700	E	220	250	2500	ug/Kg
98-06-6	tert-Butylbenzene	250	U	250	250	2500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	116300	E	250	250	2500	ug/Kg
135-98-8	sec-Butylbenzene	5500		250	250	2500	ug/Kg
99-87-6	p-Isopropyltoluene	3300		140	250	2500	ug/Kg
541-73-1	1,3-Dichlorobenzene	250	U	180	250	2500	ug/Kg
106-46-7	1,4-Dichlorobenzene	250	U	200	250	2500	ug/Kg
104-51-8	n-Butylbenzene	12600		230	250	2500	ug/Kg
95-50-1	1,2-Dichlorobenzene	250	U	250	250	2500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2500	U	430	2500	2500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	250	U	250	250	2500	ug/Kg
91-20-3	Naphthalene	32300		220	250	2500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	U	250	500	2500	ug/Kg
123-91-1	1,4-Dioxane	49700	U	49700	49700	49700	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	26	*	56 - 120		52%	SPK: 50
1868-53-7	Dibromofluoromethane	24.3	*	57 - 135		49%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)	SDG No.:	F2875
Lab Sample ID:	F2875-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.3
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013841.D	10		06/26/14	VR062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	32.4	*	67 - 123		65%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.7		33 - 141		63%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1587490	7.49				
540-36-3	1,4-Difluorobenzene	2468990	8.43				
3114-55-4	Chlorobenzene-d5	2091890	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	864277	13.22				
TENTATIVE IDENTIFIED COMPOUNDS							
ABZT	Alkylbenzenes, Total	267800	J			12.46	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	666100	J			12.53	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	272000	J			12.76	ug/Kg
000611-15-4	Benzene, 1-ethenyl-2-methyl-	306800	J			13.42	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	117900	J			13.67	ug/Kg
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)	94300	J			13.7	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	186100	J			13.76	ug/Kg
000824-90-8	1-Phenyl-1-butene	81600	J			13.87	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	103200	J			14.09	ug/Kg
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	135500	J			14.12	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	152400	J			14.47	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)DL	SDG No.:	F2875
Lab Sample ID:	F2875-03DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.3
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013860.D	10		06/27/14	VR062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	250	UD	250	250	2500	ug/Kg
74-87-3	Chloromethane	250	UD	250	250	2500	ug/Kg
75-01-4	Vinyl Chloride	250	UD	250	250	2500	ug/Kg
74-83-9	Bromomethane	500	UD	500	500	2500	ug/Kg
75-00-3	Chloroethane	250	UD	250	250	2500	ug/Kg
75-69-4	Trichlorofluoromethane	250	UD	250	250	2500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	250	UD	250	250	2500	ug/Kg
75-35-4	1,1-Dichloroethene	250	UD	250	250	2500	ug/Kg
67-64-1	Acetone	1200	UD	1200	1200	12400	ug/Kg
75-15-0	Carbon Disulfide	250	UD	250	250	2500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	250	UD	250	250	2500	ug/Kg
79-20-9	Methyl Acetate	500	UD	500	500	2500	ug/Kg
75-09-2	Methylene Chloride	250	UD	250	250	2500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	250	UD	250	250	2500	ug/Kg
75-34-3	1,1-Dichloroethane	250	UD	250	250	2500	ug/Kg
110-82-7	Cyclohexane	5200	D	250	250	2500	ug/Kg
78-93-3	2-Butanone	3700	UD	1500	3700	12400	ug/Kg
56-23-5	Carbon Tetrachloride	250	UD	250	250	2500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	250	UD	250	250	2500	ug/Kg
74-97-5	Bromochloromethane	250	UD	250	250	2500	ug/Kg
67-66-3	Chloroform	250	UD	250	250	2500	ug/Kg
71-55-6	1,1,1-Trichloroethane	250	UD	250	250	2500	ug/Kg
108-87-2	Methylcyclohexane	7600	D	250	250	2500	ug/Kg
71-43-2	Benzene	640	JD	190	250	2500	ug/Kg
107-06-2	1,2-Dichloroethane	250	UD	250	250	2500	ug/Kg
79-01-6	Trichloroethene	250	UD	250	250	2500	ug/Kg
78-87-5	1,2-Dichloropropane	250	UD	130	250	2500	ug/Kg
75-27-4	Bromodichloromethane	250	UD	250	250	2500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1200	UD	1200	1200	12400	ug/Kg
108-88-3	Toluene	250	UD	250	250	2500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	250	UD	250	250	2500	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)DL	SDG No.:	F2875
Lab Sample ID:	F2875-03DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.3
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013860.D	10		06/27/14	VR062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	250	UD	250	250	2500	ug/Kg
79-00-5	1,1,2-Trichloroethane	500	UD	450	500	2500	ug/Kg
591-78-6	2-Hexanone	1200	UD	1200	1200	12400	ug/Kg
124-48-1	Dibromochloromethane	250	UD	250	250	2500	ug/Kg
106-93-4	1,2-Dibromoethane	250	UD	250	250	2500	ug/Kg
127-18-4	Tetrachloroethene	250	UD	250	250	2500	ug/Kg
108-90-7	Chlorobenzene	250	UD	250	250	2500	ug/Kg
100-41-4	Ethyl Benzene	7700	D	250	250	2500	ug/Kg
179601-23-1	m/p-Xylenes	30600	D	360	500	5000	ug/Kg
95-47-6	o-Xylene	5900	D	250	250	2500	ug/Kg
100-42-5	Styrene	250	UD	220	250	2500	ug/Kg
75-25-2	Bromoform	750	UD	370	750	2500	ug/Kg
98-82-8	Isopropylbenzene	1100	JD	240	250	2500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	250	UD	230	250	2500	ug/Kg
103-65-1	n-propylbenzene	4200	D	180	250	2500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9200	D	220	250	2500	ug/Kg
98-06-6	tert-Butylbenzene	250	UD	250	250	2500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	28100	D	250	250	2500	ug/Kg
135-98-8	sec-Butylbenzene	250	UD	250	250	2500	ug/Kg
99-87-6	p-Isopropyltoluene	250	UD	140	250	2500	ug/Kg
541-73-1	1,3-Dichlorobenzene	250	UD	180	250	2500	ug/Kg
106-46-7	1,4-Dichlorobenzene	250	UD	200	250	2500	ug/Kg
104-51-8	n-Butylbenzene	920	JD	230	250	2500	ug/Kg
95-50-1	1,2-Dichlorobenzene	250	UD	250	250	2500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2500	UD	430	2500	2500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	250	UD	250	250	2500	ug/Kg
91-20-3	Naphthalene	1900	JD	220	250	2500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	UD	250	500	2500	ug/Kg
123-91-1	1,4-Dioxane	49700	UD	49700	49700	49700	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53		56 - 120		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135		101%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(10-12)DL	SDG No.:	F2875
Lab Sample ID:	F2875-03DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.3
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013860.D	10		06/27/14	VR062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	54.2		67 - 123		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		33 - 141		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1381360	7.49				
540-36-3	1,4-Difluorobenzene	2137130	8.43				
3114-55-4	Chlorobenzene-d5	1723080	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	673492	13.22				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14 13:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.151	U	1	0.04	0.151	0.301	mg/Kg	06/26/14	06/30/14 13:52	9012B
Hexavalent Chromium	0.674		1	0.096	0.241	0.481	mg/Kg	06/27/14	06/27/14 16:54	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	17.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010264.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	20.3	U	16.1	20.3	81.5	ug/Kg
120-36-5	DICHLORPROP	20.3	U	15	20.3	81.5	ug/Kg
94-75-7	2,4-D	20.3	U	20.3	20.3	81.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	20.3	U	13.3	20.3	81.5	ug/Kg
93-76-5	2,4,5-T	20.3	U	12.5	20.3	81.5	ug/Kg
94-82-6	2,4-DB	20.3	U	20.3	20.3	81.5	ug/Kg
88-85-7	DINOSEB	20.3	U	20.3	20.3	81.5	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	210		12 - 189		42%	SPK: 500

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.25	UN	1	0.561	1.25	2.51	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	0.473	J	1	0.331	0.501	1	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	7.86		1	0.401	2.51	5.01	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	1.59		1	0.06	0.15	0.301	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.15	U	1	0.06	0.15	0.301	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	70.2		1	0.13	0.251	0.501	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	5.05		1	0.571	0.752	1.5	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	34.4	N	1	0.321	0.501	1	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	19.4		1	0.12	0.301	0.601	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	359		1	0.19	0.501	1	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.006	U	1	0.006	0.006	0.011	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	8.38		1	0.461	1.0	2	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	0.828	JN	1	0.411	0.501	1	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	0.886		1	0.15	0.251	0.501	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	1	U	1	0.271	1.0	2	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	43.4		1	0.591	1.0	2	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	18.9		1	0.702	1.0	2	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875		
Lab Sample ID:	F2875-04	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	17.9	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003569.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4	U	4	4	20.7	ug/kg
11104-28-2	Aroclor-1221	4	U	4	4	20.7	ug/kg
11141-16-5	Aroclor-1232	4	U	4	4	20.7	ug/kg
53469-21-9	Aroclor-1242	4	U	4	4	20.7	ug/kg
12672-29-6	Aroclor-1248	4	U	4	4	20.7	ug/kg
11097-69-1	Aroclor-1254	4	U	1.8	4	20.7	ug/kg
11096-82-5	Aroclor-1260	4	U	4	4	20.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.6		10 - 166		88%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 125		81%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14			
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875			
Lab Sample ID:	F2875-04	Matrix:	SOIL			
Analytical Method:	SW8081	% Moisture:	17.9	Decanted:		
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023141.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.401	U	0.158	0.401	2.1	ug/kg
319-85-7	beta-BHC	0.401	U	0.219	0.401	2.1	ug/kg
319-86-8	delta-BHC	0.401	U	0.122	0.401	2.1	ug/kg
58-89-9	gamma-BHC (Lindane)	0.401	U	0.182	0.401	2.1	ug/kg
76-44-8	Heptachlor	0.401	U	0.17	0.401	2.1	ug/kg
309-00-2	Aldrin	0.401	U	0.122	0.401	2.1	ug/kg
1024-57-3	Heptachlor epoxide	0.401	U	0.195	0.401	2.1	ug/kg
959-98-8	Endosulfan I	0.401	U	0.182	0.401	2.1	ug/kg
60-57-1	Dieldrin	0.401	U	0.158	0.401	2.1	ug/kg
72-55-9	4,4-DDE	0.401	U	0.243	0.401	2.1	ug/kg
72-20-8	Endrin	0.401	U	0.219	0.401	2.1	ug/kg
33213-65-9	Endosulfan II	0.401	U	0.17	0.401	2.1	ug/kg
72-54-8	4,4-DDD	0.401	U	0.207	0.401	2.1	ug/kg
1031-07-8	Endosulfan Sulfate	0.401	U	0.182	0.401	2.1	ug/kg
50-29-3	4,4-DDT	0.401	U	0.17	0.401	2.1	ug/kg
72-43-5	Methoxychlor	0.401	U	0.207	0.401	2.1	ug/kg
53494-70-5	Endrin ketone	0.401	U	0.158	0.401	2.1	ug/kg
7421-93-4	Endrin aldehyde	0.401	U	0.182	0.401	2.1	ug/kg
5103-71-9	alpha-Chlordane	0.401	U	0.17	0.401	2.1	ug/kg
5103-74-2	gamma-Chlordane	0.401	U	0.158	0.401	2.1	ug/kg
8001-35-2	Toxaphene	4.1	U	4.1	4.1	20.7	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.2		10 - 169		96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		31 - 151		104%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875		
Lab Sample ID:	F2875-04	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	17.9	Decanted:	
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023141.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072182.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	40.6	U	21.2	40.6	400	ug/Kg
108-95-2	Phenol	40.6	U	9.4	40.6	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	40.6	U	19.5	40.6	400	ug/Kg
95-57-8	2-Chlorophenol	40.6	U	21.4	40.6	400	ug/Kg
95-48-7	2-Methylphenol	40.6	U	22	40.6	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.6	U	16.8	40.6	400	ug/Kg
98-86-2	Acetophenone	40.6	U	12.4	40.6	400	ug/Kg
65794-96-9	3+4-Methylphenols	40.6	U	21.1	40.6	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.6	U	20.5	40.6	400	ug/Kg
67-72-1	Hexachloroethane	40.6	U	18.1	40.6	400	ug/Kg
98-95-3	Nitrobenzene	40.6	U	15.3	40.6	400	ug/Kg
78-59-1	Isophorone	40.6	U	13.4	40.6	400	ug/Kg
88-75-5	2-Nitrophenol	40.6	U	19.6	40.6	400	ug/Kg
105-67-9	2,4-Dimethylphenol	40.6	U	23	40.6	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40.6	U	23.4	40.6	400	ug/Kg
120-83-2	2,4-Dichlorophenol	40.6	U	15.5	40.6	400	ug/Kg
91-20-3	Naphthalene	40.6	U	14	40.6	400	ug/Kg
106-47-8	4-Chloroaniline	40.6	U	28.6	40.6	400	ug/Kg
87-68-3	Hexachlorobutadiene	40.6	U	14.7	40.6	400	ug/Kg
105-60-2	Caprolactam	81.2	U	18.9	81.2	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40.6	U	18	40.6	400	ug/Kg
91-57-6	2-Methylnaphthalene	40.6	U	10.2	40.6	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	40.6	U	9.9	40.6	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	40.6	U	12.4	40.6	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40.6	U	28.5	40.6	400	ug/Kg
92-52-4	1,1-Biphenyl	40.6	U	15.3	40.6	400	ug/Kg
91-58-7	2-Chloronaphthalene	40.6	U	9.3	40.6	400	ug/Kg
88-74-4	2-Nitroaniline	40.6	U	18	40.6	400	ug/Kg
131-11-3	Dimethylphthalate	820		11	40.6	400	ug/Kg
208-96-8	Acenaphthylene	40.6	U	10.2	40.6	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.6	U	16.6	40.6	400	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072182.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	81.2	U	26.1	81.2	400	ug/Kg
83-32-9	Acenaphthene	40.6	U	11.4	40.6	400	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	41.3	320	400	ug/Kg
100-02-7	4-Nitrophenol	200	U	75.4	200	400	ug/Kg
132-64-9	Dibenzofuran	40.6	U	15.8	40.6	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	40.6	U	12.2	40.6	400	ug/Kg
84-66-2	Diethylphthalate	40.6	U	6.3	40.6	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	40.6	U	22	40.6	400	ug/Kg
86-73-7	Fluorene	40.6	U	15.3	40.6	400	ug/Kg
100-01-6	4-Nitroaniline	81.2	U	52.8	81.2	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	23.3	200	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.6	U	9.7	40.6	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	40.6	U	7.9	40.6	400	ug/Kg
118-74-1	Hexachlorobenzene	40.6	U	16.6	40.6	400	ug/Kg
1912-24-9	Atrazine	40.6	U	21.4	40.6	400	ug/Kg
87-86-5	Pentachlorophenol	40.6	U	27.8	40.6	400	ug/Kg
85-01-8	Phenanthrene	40.6	U	11	40.6	400	ug/Kg
120-12-7	Anthracene	40.6	U	8.3	40.6	400	ug/Kg
86-74-8	Carbazole	40.6	U	8.9	40.6	400	ug/Kg
84-74-2	Di-n-butylphthalate	40.6	U	31.9	40.6	400	ug/Kg
206-44-0	Fluoranthene	40.6	U	8.2	40.6	400	ug/Kg
129-00-0	Pyrene	40.6	U	9.7	40.6	400	ug/Kg
85-68-7	Butylbenzylphthalate	40.6	U	19.5	40.6	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.6	U	26.1	40.6	400	ug/Kg
56-55-3	Benzo(a)anthracene	40.6	U	19.4	40.6	400	ug/Kg
218-01-9	Chrysene	40.6	U	18.4	40.6	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	40.6	U	14.4	40.6	400	ug/Kg
117-84-0	Di-n-octyl phthalate	40.6	U	4.6	40.6	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	40.6	U	13.3	40.6	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	40.6	U	19.1	40.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	40.6	U	8.8	40.6	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40.6	U	13.5	40.6	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	40.6	U	11.7	40.6	400	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072182.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	40.6	U	16.4	40.6	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40.6	U	16	40.6	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40.6	U	16	40.6	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		80%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		81%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.4		31 - 132		68%	SPK: 100
321-60-8	2-Fluorobiphenyl	68		39 - 123		68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		74%	SPK: 150
1718-51-0	Terphenyl-d14	68		37 - 115		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49401	7.2				
1146-65-2	Naphthalene-d8	187673	8.78				
15067-26-2	Acenaphthene-d10	112060	10.95				
1517-22-2	Phenanthrene-d10	206519	12.78				
1719-03-5	Chrysene-d12	224187	16.05				
1520-96-3	Perylene-d12	201644	17.73				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown1.42	14200	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	880	J			1.69	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	530	A			4.94	ug/Kg
	unknown6.90	3500	J			6.9	ug/Kg
000112-37-8	Undecanoic acid	150	J			13.53	ug/Kg
001454-84-8	1-Nonadecanol	340	J			15.96	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.9
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008798.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.49	U	0.49	0.49	4.9	ug/Kg
74-87-3	Chloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
75-01-4	Vinyl Chloride	0.49	U	0.49	0.49	4.9	ug/Kg
74-83-9	Bromomethane	0.98	U	0.98	0.98	4.9	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.49	U	0.49	0.49	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	0.49	0.49	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
67-64-1	Acetone	24.1	J	2.5	2.5	24.6	ug/Kg
75-15-0	Carbon Disulfide	0.49	U	0.49	0.49	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.4	J	0.49	0.49	4.9	ug/Kg
79-20-9	Methyl Acetate	0.98	U	0.98	0.98	4.9	ug/Kg
75-09-2	Methylene Chloride	0.49	U	0.49	0.49	4.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
110-82-7	Cyclohexane	3.5	J	0.49	0.49	4.9	ug/Kg
78-93-3	2-Butanone	7.4	U	3.1	7.4	24.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.49	U	0.49	0.49	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
74-97-5	Bromochloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	0.49	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
108-87-2	Methylcyclohexane	0.49	U	0.49	0.49	4.9	ug/Kg
71-43-2	Benzene	16.4		0.37	0.49	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	0.49	4.9	ug/Kg
79-01-6	Trichloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	0.49	U	0.26	0.49	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	24.6	ug/Kg
108-88-3	Toluene	0.49	U	0.49	0.49	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	0.49	4.9	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.9
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008798.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	0.49	4.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.89	0.98	4.9	ug/Kg
591-78-6	2-Hexanone	2.5	U	2.5	2.5	24.6	ug/Kg
124-48-1	Dibromochloromethane	0.49	U	0.49	0.49	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	0.49	U	0.49	0.49	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.49	U	0.49	0.49	4.9	ug/Kg
108-90-7	Chlorobenzene	0.49	U	0.49	0.49	4.9	ug/Kg
100-41-4	Ethyl Benzene	1.9	J	0.49	0.49	4.9	ug/Kg
179601-23-1	m/p-Xylenes	7.2	J	0.71	0.98	9.8	ug/Kg
95-47-6	o-Xylene	1.8	J	0.49	0.49	4.9	ug/Kg
100-42-5	Styrene	0.49	U	0.44	0.49	4.9	ug/Kg
75-25-2	Bromoform	1.5	U	0.73	1.5	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	0.47	0.49	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	0.45	0.49	4.9	ug/Kg
103-65-1	n-propylbenzene	0.49	U	0.35	0.49	4.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.8	J	0.44	0.49	4.9	ug/Kg
98-06-6	tert-Butylbenzene	0.49	U	0.49	0.49	4.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.9		0.49	0.49	4.9	ug/Kg
135-98-8	sec-Butylbenzene	0.49	U	0.49	0.49	4.9	ug/Kg
99-87-6	p-Isopropyltoluene	0.49	U	0.29	0.49	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.49	U	0.36	0.49	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.49	U	0.4	0.49	4.9	ug/Kg
104-51-8	n-Butylbenzene	0.49	U	0.45	0.49	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	0.49	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.9	U	0.86	4.9	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.49	U	0.49	0.49	4.9	ug/Kg
91-20-3	Naphthalene	1.4	J	0.44	0.49	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.98	U	0.49	0.98	4.9	ug/Kg
123-91-1	1,4-Dioxane	98.4	U	98.4	98.4	98.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.2		56 - 120		88%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		57 - 135		93%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-5(18-20)	SDG No.:	F2875
Lab Sample ID:	F2875-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.9
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008798.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	44.8		67 - 123		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	795450	7.43				
540-36-3	1,4-Difluorobenzene	1154580	8.37				
3114-55-4	Chlorobenzene-d5	982894	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	531373	13.15				
TENTATIVE IDENTIFIED COMPOUNDS							
ABZT	Alkylbenzenes, Total	8.7	J			0	ug/Kg
75-65-0	Tert butyl alcohol	480	J			4.46	ug/Kg
000637-92-3	Propane, 2-ethoxy-2-methyl-	12.7	J			6.3	ug/Kg
	unknown8.02	5.8	J			8.02	ug/Kg
000611-15-4	Benzene, 1-ethenyl-2-methyl-	5.9	J			13.35	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.968	J	1	0.14	1.0	2	ug/L	06/27/14	06/30/14	SW6020
7440-38-2	Arsenic	3.18		1	0.18	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-39-3	Barium	260		1	0.1	5.0	10	ug/L	06/27/14	06/30/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-43-9	Cadmium	13.1		1	0.13	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-47-3	Chromium	3.08		1	0.04	1.0	2	ug/L	06/27/14	06/30/14	SW6020
7440-48-4	Cobalt	4.83		1	0.05	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-50-8	Copper	6.01		1	0.04	1.0	2	ug/L	06/27/14	06/30/14	SW6020
7439-92-1	Lead	313	N*	1	0.04	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7439-96-5	Manganese	3440		1	0.05	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7439-97-6	Mercury	0.113	J	1	0.1	0.1	0.2	ug/L	06/27/14	06/30/14	SW7470A
7440-02-0	Nickel	8.45	*	1	0.06	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7782-49-2	Selenium	2.5	U	1	0.7	2.5	5	ug/L	06/27/14	06/30/14	SW6020
7440-22-4	Silver	0.046	J	1	0.03	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-28-0	Thallium	0.23	J*	1	0.02	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-62-2	Vanadium	1.31	J	1	0.15	2.5	5	ug/L	06/27/14	06/30/14	SW6020
7440-66-6	Zinc	64.8		1	0.09	1.0	2	ug/L	06/27/14	06/30/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	Water
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003469.D	1	06/27/14	06/27/14	PB77463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.1	U	0.096	0.1	0.5	ug/L
11104-28-2	Aroclor-1221	0.1	U	0.1	0.1	0.5	ug/L
11141-16-5	Aroclor-1232	0.1	U	0.1	0.1	0.5	ug/L
53469-21-9	Aroclor-1242	0.1	U	0.089	0.1	0.5	ug/L
12672-29-6	Aroclor-1248	0.1	U	0.1	0.1	0.5	ug/L
11097-69-1	Aroclor-1254	0.1	U	0.044	0.1	0.5	ug/L
11096-82-5	Aroclor-1260	0.1	U	0.081	0.1	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18		35 - 137		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		40 - 135		82%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	1000 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072106.D	1	06/27/14	06/28/14	PB77464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.52	1	9.9	ug/Kg
108-95-2	Phenol	14.5		0.23	1	9.9	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1	U	0.48	1	9.9	ug/Kg
95-57-8	2-Chlorophenol	1	U	0.53	1	9.9	ug/Kg
95-48-7	2-Methylphenol	1	U	0.54	1	9.9	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.41	1	9.9	ug/Kg
98-86-2	Acetophenone	1	U	0.31	1	9.9	ug/Kg
65794-96-9	3+4-Methylphenols	1	U	0.52	1	9.9	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.5	1	9.9	ug/Kg
67-72-1	Hexachloroethane	1	U	0.45	1	9.9	ug/Kg
98-95-3	Nitrobenzene	1	U	0.38	1	9.9	ug/Kg
78-59-1	Isophorone	1	U	0.33	1	9.9	ug/Kg
88-75-5	2-Nitrophenol	1	U	0.48	1	9.9	ug/Kg
105-67-9	2,4-Dimethylphenol	17.2		0.57	1	9.9	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.58	1	9.9	ug/Kg
120-83-2	2,4-Dichlorophenol	1	U	0.38	1	9.9	ug/Kg
91-20-3	Naphthalene	210	E	0.35	1	9.9	ug/Kg
106-47-8	4-Chloroaniline	1	U	0.71	1	9.9	ug/Kg
87-68-3	Hexachlorobutadiene	1	U	0.36	1	9.9	ug/Kg
105-60-2	Caprolactam	2	U	0.47	2	9.9	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1	U	0.44	1	9.9	ug/Kg
91-57-6	2-Methylnaphthalene	68.9		0.25	1	9.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	9.9	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1	U	0.31	1	9.9	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1	U	0.7	1	9.9	ug/Kg
92-52-4	1,1-Biphenyl	1	U	0.38	1	9.9	ug/Kg
91-58-7	2-Chloronaphthalene	1	U	0.23	1	9.9	ug/Kg
88-74-4	2-Nitroaniline	1	U	0.44	1	9.9	ug/Kg
131-11-3	Dimethylphthalate	1	U	0.27	1	9.9	ug/Kg
208-96-8	Acenaphthylene	1	U	0.25	1	9.9	ug/Kg
606-20-2	2,6-Dinitrotoluene	1	U	0.41	1	9.9	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	1000 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072106.D	1	06/27/14	06/28/14	PB77464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	2	U	0.64	2	9.9	ug/Kg
83-32-9	Acenaphthene	1	U	0.28	1	9.9	ug/Kg
51-28-5	2,4-Dinitrophenol	8	U	1	8	9.9	ug/Kg
100-02-7	4-Nitrophenol	5	U	1.9	5	9.9	ug/Kg
132-64-9	Dibenzofuran	1	U	0.39	1	9.9	ug/Kg
121-14-2	2,4-Dinitrotoluene	1	U	0.3	1	9.9	ug/Kg
84-66-2	Diethylphthalate	1	U	0.16	1	9.9	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.54	1	9.9	ug/Kg
86-73-7	Fluorene	1	U	0.38	1	9.9	ug/Kg
100-01-6	4-Nitroaniline	2	U	1.3	2	9.9	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	5	U	0.57	5	9.9	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1	U	0.24	1	9.9	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1	U	0.2	1	9.9	ug/Kg
118-74-1	Hexachlorobenzene	1	U	0.41	1	9.9	ug/Kg
1912-24-9	Atrazine	1	U	0.53	1	9.9	ug/Kg
87-86-5	Pentachlorophenol	1	U	0.68	1	9.9	ug/Kg
85-01-8	Phenanthrene	1	U	0.27	1	9.9	ug/Kg
120-12-7	Anthracene	1	U	0.2	1	9.9	ug/Kg
86-74-8	Carbazole	1	U	0.22	1	9.9	ug/Kg
84-74-2	Di-n-butylphthalate	1	U	0.79	1	9.9	ug/Kg
206-44-0	Fluoranthene	1	U	0.2	1	9.9	ug/Kg
129-00-0	Pyrene	1	U	0.24	1	9.9	ug/Kg
85-68-7	Butylbenzylphthalate	1	U	0.48	1	9.9	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1	U	0.64	1	9.9	ug/Kg
56-55-3	Benzo(a)anthracene	1	U	0.48	1	9.9	ug/Kg
218-01-9	Chrysene	1	U	0.45	1	9.9	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.35	1	9.9	ug/Kg
117-84-0	Di-n-octyl phthalate	1	U	0.11	1	9.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	1	U	0.33	1	9.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	1	U	0.47	1	9.9	ug/Kg
50-32-8	Benzo(a)pyrene	1	U	0.22	1	9.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.33	1	9.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1	U	0.29	1	9.9	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	1000 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072106.D	1	06/27/14	06/28/14	PB77464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.41	1	9.9	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.39	1	9.9	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.39	1	9.9	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	51.1		28 - 127		34%	SPK: 150
13127-88-3	Phenol-d6	40.1	*	34 - 127		27%	SPK: 150
4165-60-0	Nitrobenzene-d5	99		31 - 132		99%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.4		39 - 123		70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		75%	SPK: 150
1718-51-0	Terphenyl-d14	93.6		37 - 115		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52479	7.29				
1146-65-2	Naphthalene-d8	203633	8.87				
15067-26-2	Acenaphthene-d10	155938	11.04				
1517-22-2	Phenanthrene-d10	198995	12.87				
1719-03-5	Chrysene-d12	251341	16.15				
1520-96-3	Perylene-d12	224015	17.85				
TENTATIVE IDENTIFIED COMPOUNDS							
000075-85-4	Amylene Hydrate	61.3	J			1.41	ug/Kg
	unknown7.00	62	J			7	ug/Kg
000496-11-7	Indane	230	J			7.52	ug/Kg
	unknown8.15	140	J			8.15	ug/Kg
002234-20-0	2,4-Dimethylstyrene	51.1	J			8.56	ug/Kg
007782-26-5	Benzeneacetic acid, .alpha.-methyl	53.4	J			10.01	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL	SDG No.:	F2875
Lab Sample ID:	F2875-05DL	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072220.D	5	06/27/14	07/01/14	PB77464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5	UD	3.9	5	50	ug/L
108-95-2	Phenol	14.2	JD	1.1	5	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	5	UD	2.8	5	50	ug/L
95-57-8	2-Chlorophenol	5	UD	2.7	5	50	ug/L
95-48-7	2-Methylphenol	5	UD	1.2	5	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5	UD	0.85	5	50	ug/L
98-86-2	Acetophenone	5	UD	0.7	5	50	ug/L
65794-96-9	3+4-Methylphenols	5	UD	1.9	5	50	ug/L
621-64-7	n-Nitroso-di-n-propylamine	5	UD	1	5	50	ug/L
67-72-1	Hexachloroethane	5	UD	1.3	5	50	ug/L
98-95-3	Nitrobenzene	5	UD	3.4	5	50	ug/L
78-59-1	Isophorone	5	UD	1.5	5	50	ug/L
88-75-5	2-Nitrophenol	5	UD	2.6	5	50	ug/L
105-67-9	2,4-Dimethylphenol	14.1	JD	3.6	5	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5	UD	2.8	5	50	ug/L
120-83-2	2,4-Dichlorophenol	5	UD	3.3	5	50	ug/L
91-20-3	Naphthalene	210	D	0.6	5	50	ug/L
106-47-8	4-Chloroaniline	5	UD	5	5	50	ug/L
87-68-3	Hexachlorobutadiene	5	UD	1.3	5	50	ug/L
105-60-2	Caprolactam	5	UD	5	5	50	ug/L
59-50-7	4-Chloro-3-methylphenol	5	UD	2	5	50	ug/L
91-57-6	2-Methylnaphthalene	63.5	D	1.6	5	50	ug/L
77-47-4	Hexachlorocyclopentadiene	5	UD	1.2	5	50	ug/L
88-06-2	2,4,6-Trichlorophenol	5	UD	2.8	5	50	ug/L
95-95-4	2,4,5-Trichlorophenol	5	UD	2	5	50	ug/L
92-52-4	1,1-Biphenyl	5	UD	0.75	5	50	ug/L
91-58-7	2-Chloronaphthalene	5	UD	0.8	5	50	ug/L
88-74-4	2-Nitroaniline	5	UD	2.5	5	50	ug/L
131-11-3	Dimethylphthalate	5	UD	1.1	5	50	ug/L
208-96-8	Acenaphthylene	5	UD	3.5	5	50	ug/L
606-20-2	2,6-Dinitrotoluene	5	UD	1.6	5	50	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL	SDG No.:	F2875
Lab Sample ID:	F2875-05DL	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072220.D	5	06/27/14	07/01/14	PB77464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5	UD	5	5	50	ug/L
83-32-9	Acenaphthene	5	UD	1.1	5	50	ug/L
51-28-5	2,4-Dinitrophenol	40	UD	10.5	40	50	ug/L
100-02-7	4-Nitrophenol	25	UD	10	25	50	ug/L
132-64-9	Dibenzofuran	5	UD	1.2	5	50	ug/L
121-14-2	2,4-Dinitrotoluene	5	UD	5	5	50	ug/L
84-66-2	Diethylphthalate	5	UD	1.9	5	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5	UD	1.1	5	50	ug/L
86-73-7	Fluorene	5	UD	1.6	5	50	ug/L
100-01-6	4-Nitroaniline	10	UD	6.8	10	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	UD	3.7	10	50	ug/L
86-30-6	n-Nitrosodiphenylamine	5	UD	3	5	50	ug/L
101-55-3	4-Bromophenyl-phenylether	5	UD	1.2	5	50	ug/L
118-74-1	Hexachlorobenzene	5	UD	0.9	5	50	ug/L
1912-24-9	Atrazine	5	UD	2	5	50	ug/L
87-86-5	Pentachlorophenol	5	UD	5	5	50	ug/L
85-01-8	Phenanthrene	5	UD	1.3	5	50	ug/L
120-12-7	Anthracene	5	UD	0.8	5	50	ug/L
86-74-8	Carbazole	5	UD	1.1	5	50	ug/L
84-74-2	Di-n-butylphthalate	5	UD	5	5	50	ug/L
206-44-0	Fluoranthene	5	UD	2	5	50	ug/L
129-00-0	Pyrene	5	UD	1	5	50	ug/L
85-68-7	Butylbenzylphthalate	5	UD	0.95	5	50	ug/L
91-94-1	3,3-Dichlorobenzidine	5	UD	5	5	50	ug/L
56-55-3	Benzo(a)anthracene	5	UD	0.8	5	50	ug/L
218-01-9	Chrysene	5	UD	0.9	5	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5	UD	0.8	5	50	ug/L
117-84-0	Di-n-octyl phthalate	5	UD	2.6	5	50	ug/L
205-99-2	Benzo(b)fluoranthene	5	UD	1.5	5	50	ug/L
207-08-9	Benzo(k)fluoranthene	5	UD	0.9	5	50	ug/L
50-32-8	Benzo(a)pyrene	5	UD	0.7	5	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	UD	0.75	5	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	5	UD	2.1	5	50	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL	SDG No.:	F2875
Lab Sample ID:	F2875-05DL	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072220.D	5	06/27/14	07/01/14	PB77464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5	UD	1.5	5	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5	UD	1	5	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5	UD	1	5	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	60.5		10 - 130		40%	SPK: 150
13127-88-3	Phenol-d6	38		10 - 130		25%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.9		36 - 131		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		39 - 131		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		25 - 155		79%	SPK: 150
1718-51-0	Terphenyl-d14	81.1		23 - 130		81%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56082	7.17				
1146-65-2	Naphthalene-d8	240276	8.74				
15067-26-2	Acenaphthene-d10	123602	10.9				
1517-22-2	Phenanthrene-d10	220093	12.73				
1719-03-5	Chrysene-d12	256092	16.01				
1520-96-3	Perylene-d12	246680	17.67				

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LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016817.D	1		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	46.9		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	200		0.2	0.2	1	ug/L
78-93-3	2-Butanone	12.2		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	76.3		0.2	0.2	1	ug/L
71-43-2	Benzene	2800	E	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	140		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016817.D	1		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	790	E	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	1000	E	0.4	0.4	2	ug/L
95-47-6	o-Xylene	170		0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	45.7		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	98.4		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	84.2		0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	240	E	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	3.8		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	1.6		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	5.8		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	240	E	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.4		61 - 141		91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		69 - 133		97%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016817.D	1		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	50.4		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4		58 - 135		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	217161	7.86				
540-36-3	1,4-Difluorobenzene	351085	8.78				
3114-55-4	Chlorobenzene-d5	370308	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	168179	13.56				
TENTATIVE IDENTIFIED COMPOUNDS							
000078-78-4	Butane, 2-methyl-	46.6	J			2.86	ug/L
002402-06-4	Cyclopropane, 1,2-dimethyl-, trans	51.8	J			3.23	ug/L
60-29-7	Diethyl Ether	6.5	J			3.53	ug/L
000513-35-9	2-Butene, 2-methyl-	75.7	J			3.68	ug/L
000142-29-0	Cyclopentene	43.4	J			4.61	ug/L
75-65-0	Tert butyl alcohol	2100	J			5.02	ug/L
108-20-3	Diisopropyl ether	27.9	J			6.19	ug/L
000637-92-3	Propane, 2-ethoxy-2-methyl-	40.2	J			6.82	ug/L
001528-21-8	Ethylidenecyclobutane	70.5	J			8.4	ug/L
ABZT	Alkylbenzenes, Total	480	J			12.8	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	41	J			12.86	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	35.5	J			13.1	ug/L
000496-11-7	Indane	110	J			13.76	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	30.4	J			14.82	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL	SDG No.:	F2875
Lab Sample ID:	F2875-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016818.D	20		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	4	UD	4	4	20	ug/L
74-87-3	Chloromethane	4	UD	4	4	20	ug/L
75-01-4	Vinyl Chloride	4	UD	4	4	20	ug/L
74-83-9	Bromomethane	4	UD	4	4	20	ug/L
75-00-3	Chloroethane	10	UD	4	10	20	ug/L
75-69-4	Trichlorofluoromethane	4	UD	4	4	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4	UD	4	4	20	ug/L
75-35-4	1,1-Dichloroethene	4	UD	4	4	20	ug/L
67-64-1	Acetone	20	UD	10	20	100	ug/L
75-15-0	Carbon Disulfide	4	UD	4	4	20	ug/L
1634-04-4	Methyl tert-butyl Ether	47.4	D	7	10	20	ug/L
79-20-9	Methyl Acetate	10	UD	4	10	20	ug/L
75-09-2	Methylene Chloride	4	UD	4	4	20	ug/L
156-60-5	trans-1,2-Dichloroethene	4	UD	4	4	20	ug/L
75-34-3	1,1-Dichloroethane	4	UD	4	4	20	ug/L
110-82-7	Cyclohexane	150	D	4	4	20	ug/L
78-93-3	2-Butanone	50	UD	26.4	50	100	ug/L
56-23-5	Carbon Tetrachloride	4	UD	4	4	20	ug/L
156-59-2	cis-1,2-Dichloroethene	4	UD	4	4	20	ug/L
74-97-5	Bromochloromethane	10	UD	4	10	20	ug/L
67-66-3	Chloroform	4	UD	4	4	20	ug/L
71-55-6	1,1,1-Trichloroethane	4	UD	4	4	20	ug/L
108-87-2	Methylcyclohexane	63.4	D	4	4	20	ug/L
71-43-2	Benzene	4300	ED	4	4	20	ug/L
107-06-2	1,2-Dichloroethane	4	UD	4	4	20	ug/L
79-01-6	Trichloroethene	4	UD	4	4	20	ug/L
78-87-5	1,2-Dichloropropane	4	UD	4	4	20	ug/L
75-27-4	Bromodichloromethane	4	UD	4	4	20	ug/L
108-10-1	4-Methyl-2-Pentanone	20	UD	20	20	100	ug/L
108-88-3	Toluene	120	D	4	4	20	ug/L
10061-02-6	t-1,3-Dichloropropene	4	UD	4	4	20	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL	SDG No.:	F2875
Lab Sample ID:	F2875-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016818.D	20		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4	UD	4	4	20	ug/L
79-00-5	1,1,2-Trichloroethane	4	UD	4	4	20	ug/L
591-78-6	2-Hexanone	50	UD	38.8	50	100	ug/L
124-48-1	Dibromochloromethane	4	UD	4	4	20	ug/L
106-93-4	1,2-Dibromoethane	4	UD	4	4	20	ug/L
127-18-4	Tetrachloroethene	4	UD	4	4	20	ug/L
108-90-7	Chlorobenzene	4	UD	4	4	20	ug/L
100-41-4	Ethyl Benzene	720	D	4	4	20	ug/L
179601-23-1	m/p-Xylenes	960	D	8	8	40	ug/L
95-47-6	o-Xylene	150	D	4	4	20	ug/L
100-42-5	Styrene	4	UD	4	4	20	ug/L
75-25-2	Bromoform	4	UD	4	4	20	ug/L
98-82-8	Isopropylbenzene	40.2	D	4	4	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	4	UD	4	4	20	ug/L
103-65-1	n-propylbenzene	80.2	D	4	4	20	ug/L
108-67-8	1,3,5-Trimethylbenzene	78.2	D	4	4	20	ug/L
98-06-6	tert-Butylbenzene	4	UD	4	4	20	ug/L
95-63-6	1,2,4-Trimethylbenzene	220	D	4	4	20	ug/L
135-98-8	sec-Butylbenzene	4	UD	4	4	20	ug/L
99-87-6	p-Isopropyltoluene	4	UD	4	4	20	ug/L
541-73-1	1,3-Dichlorobenzene	4	UD	4	4	20	ug/L
106-46-7	1,4-Dichlorobenzene	4	UD	4	4	20	ug/L
104-51-8	n-Butylbenzene	4	UD	4	4	20	ug/L
95-50-1	1,2-Dichlorobenzene	4	UD	4	4	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4	UD	4	4	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	4	UD	4	4	20	ug/L
91-20-3	Naphthalene	230	D	4	4	20	ug/L
87-61-6	1,2,3-Trichlorobenzene	4	UD	4	4	20	ug/L
123-91-1	1,4-Dioxane	2000	UD	2000	2000	2000	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.4		61 - 141		97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		69 - 133		95%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL	SDG No.:	F2875
Lab Sample ID:	F2875-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016818.D	20		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	50.6		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.6		58 - 135		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	199059	7.87				
540-36-3	1,4-Difluorobenzene	331686	8.79				
3114-55-4	Chlorobenzene-d5	352733	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	154540	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL2	SDG No.:	F2875
Lab Sample ID:	F2875-05DL2	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016828.D	100		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20	UD	20	20	100	ug/L
74-87-3	Chloromethane	20	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	20	UD	20	20	100	ug/L
74-83-9	Bromomethane	20	UD	20	20	100	ug/L
75-00-3	Chloroethane	50	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	20	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	20	UD	20	20	100	ug/L
67-64-1	Acetone	100	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	20	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	50	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	50	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	20	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	20	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	20	UD	20	20	100	ug/L
110-82-7	Cyclohexane	20	UD	20	20	100	ug/L
78-93-3	2-Butanone	250	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	20	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	20	UD	20	20	100	ug/L
74-97-5	Bromochloromethane	50	UD	20	50	100	ug/L
67-66-3	Chloroform	20	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	20	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	20	UD	20	20	100	ug/L
71-43-2	Benzene	4000	D	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	20	UD	20	20	100	ug/L
79-01-6	Trichloroethene	20	UD	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	20	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	20	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	100	100	500	ug/L
108-88-3	Toluene	20	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	20	UD	20	20	100	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL2	SDG No.:	F2875
Lab Sample ID:	F2875-05DL2	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016828.D	100		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	20	UD	20	20	100	ug/L
79-00-5	1,1,2-Trichloroethane	20	UD	20	20	100	ug/L
591-78-6	2-Hexanone	250	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	20	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	20	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	20	UD	20	20	100	ug/L
108-90-7	Chlorobenzene	20	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	610	D	20	20	100	ug/L
179601-23-1	m/p-Xylenes	780	D	40	40	200	ug/L
95-47-6	o-Xylene	20	UD	20	20	100	ug/L
100-42-5	Styrene	20	UD	20	20	100	ug/L
75-25-2	Bromoform	20	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	20	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	UD	20	20	100	ug/L
103-65-1	n-propylbenzene	20	UD	20	20	100	ug/L
108-67-8	1,3,5-Trimethylbenzene	20	UD	20	20	100	ug/L
98-06-6	tert-Butylbenzene	20	UD	20	20	100	ug/L
95-63-6	1,2,4-Trimethylbenzene	180	D	20	20	100	ug/L
135-98-8	sec-Butylbenzene	20	UD	20	20	100	ug/L
99-87-6	p-Isopropyltoluene	20	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	20	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	20	UD	20	20	100	ug/L
104-51-8	n-Butylbenzene	20	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	20	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	UD	20	20	100	ug/L
91-20-3	Naphthalene	540	D	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	20	UD	20	20	100	ug/L
123-91-1	1,4-Dioxane	10000	UD	10000	10000	10000	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		69 - 133		94%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5DL2	SDG No.:	F2875
Lab Sample ID:	F2875-05DL2	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016828.D	100		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	49.3		65 - 126		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		58 - 135		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203400	7.87				
540-36-3	1,4-Difluorobenzene	349300	8.79				
3114-55-4	Chlorobenzene-d5	360211	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	144377	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	TRIPBLANK-6-23-14	SDG No.:	F2875
Lab Sample ID:	F2875-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016819.D	1		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	TRIPBLANK-6-23-14	SDG No.:	F2875
Lab Sample ID:	F2875-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016819.D	1		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.3		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		69 - 133		96%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	TRIPBLANK-6-23-14	SDG No.:	F2875
Lab Sample ID:	F2875-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016819.D	1		06/28/14	VN062814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	49.3		65 - 126		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		58 - 135		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192148	7.87				
540-36-3	1,4-Difluorobenzene	324856	8.79				
3114-55-4	Chlorobenzene-d5	334583	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	128343	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14 09:25
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
		% Solid:	89.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.131	U	1	0.034	0.131	0.261	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.217	U	1	0.087	0.217	0.433	mg/Kg	06/27/14	06/27/14 16:54	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	10.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010265.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	18.6	U	14.8	18.6	74.6	ug/Kg
120-36-5	DICHLORPROP	18.6	U	13.7	18.6	74.6	ug/Kg
94-75-7	2,4-D	18.6	U	18.6	18.6	74.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	18.6	U	12.1	18.6	74.6	ug/Kg
93-76-5	2,4,5-T	18.6	U	11.4	18.6	74.6	ug/Kg
94-82-6	2,4-DB	18.6	U	18.6	18.6	74.6	ug/Kg
88-85-7	DINOSEB	18.6	U	18.6	18.6	74.6	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	278		12 - 189		56%	SPK: 500

U = Not Detected

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E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	4.52	N	1	0.521	1.16	2.33	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	8.1		1	0.307	0.465	0.93	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	172		1	0.372	2.33	4.65	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.506		1	0.056	0.14	0.279	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.608		1	0.056	0.14	0.279	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	20.1		1	0.121	0.233	0.465	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	9.91		1	0.53	0.698	1.4	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	146	N	1	0.298	0.465	0.93	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	508		1	0.112	0.279	0.558	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	277		1	0.177	0.465	0.93	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.184		1	0.005	0.005	0.01	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	28.3		1	0.428	0.93	1.86	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.51	N	1	0.381	0.465	0.93	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	1.54		1	0.14	0.233	0.465	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.93	U	1	0.251	0.93	1.86	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	26		1	0.549	0.93	1.86	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	385		1	0.651	0.93	1.86	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003570.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.7	U	3.7	3.7	18.9	ug/kg
11104-28-2	Aroclor-1221	3.7	U	3.7	3.7	18.9	ug/kg
11141-16-5	Aroclor-1232	3.7	U	3.7	3.7	18.9	ug/kg
53469-21-9	Aroclor-1242	3.7	U	3.7	3.7	18.9	ug/kg
12672-29-6	Aroclor-1248	3.7	U	3.7	3.7	18.9	ug/kg
11097-69-1	Aroclor-1254	59	P	1.7	3.7	18.9	ug/kg
11096-82-5	Aroclor-1260	3.7	U	3.7	3.7	18.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.2		10 - 166		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4	*	60 - 125		127%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	10.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023142.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.368	U	0.145	0.368	1.9	ug/kg
319-85-7	beta-BHC	0.368	U	0.2	0.368	1.9	ug/kg
319-86-8	delta-BHC	0.368	U	0.111	0.368	1.9	ug/kg
58-89-9	gamma-BHC (Lindane)	0.368	U	0.167	0.368	1.9	ug/kg
76-44-8	Heptachlor	0.368	U	0.156	0.368	1.9	ug/kg
309-00-2	Aldrin	0.368	U	0.111	0.368	1.9	ug/kg
1024-57-3	Heptachlor epoxide	0.368	U	0.178	0.368	1.9	ug/kg
959-98-8	Endosulfan I	0.368	U	0.167	0.368	1.9	ug/kg
60-57-1	Dieldrin	0.368	U	0.145	0.368	1.9	ug/kg
72-55-9	4,4-DDE	0.368	U	0.223	0.368	1.9	ug/kg
72-20-8	Endrin	0.368	U	0.2	0.368	1.9	ug/kg
33213-65-9	Endosulfan II	0.368	U	0.156	0.368	1.9	ug/kg
72-54-8	4,4-DDD	0.368	U	0.189	0.368	1.9	ug/kg
1031-07-8	Endosulfan Sulfate	0.368	U	0.167	0.368	1.9	ug/kg
50-29-3	4,4-DDT	0.368	U	0.156	0.368	1.9	ug/kg
72-43-5	Methoxychlor	0.368	U	0.189	0.368	1.9	ug/kg
53494-70-5	Endrin ketone	0.368	U	0.145	0.368	1.9	ug/kg
7421-93-4	Endrin aldehyde	0.368	U	0.167	0.368	1.9	ug/kg
5103-71-9	alpha-Chlordane	0.368	U	0.156	0.368	1.9	ug/kg
5103-74-2	gamma-Chlordane	0.368	U	0.145	0.368	1.9	ug/kg
8001-35-2	Toxaphene	3.7	U	3.7	3.7	18.9	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.4		10 - 169		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.7		31 - 151		84%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875		
Lab Sample ID:	F2875-07	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	10.4	Decanted:	
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023142.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072207.D	10	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	370	U	190	370	3700	ug/Kg
108-95-2	Phenol	370	U	85.8	370	3700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	370	U	180	370	3700	ug/Kg
95-57-8	2-Chlorophenol	370	U	200	370	3700	ug/Kg
95-48-7	2-Methylphenol	370	U	200	370	3700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	370	U	150	370	3700	ug/Kg
98-86-2	Acetophenone	370	U	110	370	3700	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	190	370	3700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	370	U	190	370	3700	ug/Kg
67-72-1	Hexachloroethane	370	U	170	370	3700	ug/Kg
98-95-3	Nitrobenzene	370	U	140	370	3700	ug/Kg
78-59-1	Isophorone	370	U	120	370	3700	ug/Kg
88-75-5	2-Nitrophenol	370	U	180	370	3700	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	210	370	3700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	210	370	3700	ug/Kg
120-83-2	2,4-Dichlorophenol	370	U	140	370	3700	ug/Kg
91-20-3	Naphthalene	370	U	130	370	3700	ug/Kg
106-47-8	4-Chloroaniline	370	U	260	370	3700	ug/Kg
87-68-3	Hexachlorobutadiene	370	U	130	370	3700	ug/Kg
105-60-2	Caprolactam	740	U	170	740	3700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	370	U	160	370	3700	ug/Kg
91-57-6	2-Methylnaphthalene	370	U	93.6	370	3700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	U	90.3	370	3700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	370	U	110	370	3700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	370	U	260	370	3700	ug/Kg
92-52-4	1,1-Biphenyl	370	U	140	370	3700	ug/Kg
91-58-7	2-Chloronaphthalene	370	U	84.7	370	3700	ug/Kg
88-74-4	2-Nitroaniline	370	U	160	370	3700	ug/Kg
131-11-3	Dimethylphthalate	370	U	100	370	3700	ug/Kg
208-96-8	Acenaphthylene	370	U	93.6	370	3700	ug/Kg
606-20-2	2,6-Dinitrotoluene	370	U	150	370	3700	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072207.D	10	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	740	U	240	740	3700	ug/Kg
83-32-9	Acenaphthene	370	U	100	370	3700	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	U	380	3000	3700	ug/Kg
100-02-7	4-Nitrophenol	1900	U	690	1900	3700	ug/Kg
132-64-9	Dibenzofuran	370	U	140	370	3700	ug/Kg
121-14-2	2,4-Dinitrotoluene	370	U	110	370	3700	ug/Kg
84-66-2	Diethylphthalate	370	U	58	370	3700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	370	U	200	370	3700	ug/Kg
86-73-7	Fluorene	370	U	140	370	3700	ug/Kg
100-01-6	4-Nitroaniline	740	U	480	740	3700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	210	1900	3700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	370	U	89.2	370	3700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	370	U	72.4	370	3700	ug/Kg
118-74-1	Hexachlorobenzene	370	U	150	370	3700	ug/Kg
1912-24-9	Atrazine	370	U	200	370	3700	ug/Kg
87-86-5	Pentachlorophenol	370	U	250	370	3700	ug/Kg
85-01-8	Phenanthrene	810	J	100	370	3700	ug/Kg
120-12-7	Anthracene	370	U	75.8	370	3700	ug/Kg
86-74-8	Carbazole	370	U	81.4	370	3700	ug/Kg
84-74-2	Di-n-butylphthalate	370	U	290	370	3700	ug/Kg
206-44-0	Fluoranthene	1400	J	74.7	370	3700	ug/Kg
129-00-0	Pyrene	1200	J	89.2	370	3700	ug/Kg
85-68-7	Butylbenzylphthalate	370	U	180	370	3700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	240	370	3700	ug/Kg
56-55-3	Benzo(a)anthracene	910	J	180	370	3700	ug/Kg
218-01-9	Chrysene	800	J	170	370	3700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	U	130	370	3700	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	42.4	370	3700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000	J	120	370	3700	ug/Kg
207-08-9	Benzo(k)fluoranthene	370	U	170	370	3700	ug/Kg
50-32-8	Benzo(a)pyrene	790	J	80.3	370	3700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	370	U	120	370	3700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	370	U	110	370	3700	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072207.D	10	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	900	J	150	370	3700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	150	370	3700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	370	U	150	370	3700	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		77%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.1		31 - 132		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.6		39 - 123		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	95.1		30 - 133		63%	SPK: 150
1718-51-0	Terphenyl-d14	70.7		37 - 115		71%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53443	7.2				
1146-65-2	Naphthalene-d8	223750	8.78				
15067-26-2	Acenaphthene-d10	120863	10.95				
1517-22-2	Phenanthrene-d10	201938	12.78				
1719-03-5	Chrysene-d12	237938	16.05				
1520-96-3	Perylene-d12	224835	17.73				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	14700	J			1.41	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			1.68	ug/Kg
	unknown6.92	3200	J			6.92	ug/Kg
018326-16-4	Podocarpa-8,11,13-trien-3-one, 14-	1100	J			15.87	ug/Kg
	unknown15.98	760	J			15.98	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.4
Sample Wt/Vol:	5.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008780.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.53	U	0.53	0.53	5.3	ug/Kg
74-87-3	Chloromethane	0.53	U	0.53	0.53	5.3	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	0.53	5.3	ug/Kg
74-83-9	Bromomethane	1.1	U	1.1	1.1	5.3	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	0.53	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.53	U	0.53	0.53	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.53	U	0.53	0.53	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	0.53	5.3	ug/Kg
67-64-1	Acetone	27.3		2.7	2.7	26.7	ug/Kg
75-15-0	Carbon Disulfide	0.53	U	0.53	0.53	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	0.53	5.3	ug/Kg
79-20-9	Methyl Acetate	1.1	U	1.1	1.1	5.3	ug/Kg
75-09-2	Methylene Chloride	0.53	U	0.53	0.53	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.53	U	0.53	0.53	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	0.53	5.3	ug/Kg
110-82-7	Cyclohexane	0.53	U	0.53	0.53	5.3	ug/Kg
78-93-3	2-Butanone	8	U	3.3	8	26.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.53	U	0.53	0.53	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.53	U	0.53	0.53	5.3	ug/Kg
74-97-5	Bromochloromethane	0.53	U	0.53	0.53	5.3	ug/Kg
67-66-3	Chloroform	0.53	U	0.53	0.53	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.53	U	0.53	0.53	5.3	ug/Kg
108-87-2	Methylcyclohexane	0.53	U	0.53	0.53	5.3	ug/Kg
71-43-2	Benzene	0.53	U	0.41	0.53	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	U	0.53	0.53	5.3	ug/Kg
79-01-6	Trichloroethene	0.53	U	0.53	0.53	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	0.53	U	0.28	0.53	5.3	ug/Kg
75-27-4	Bromodichloromethane	0.53	U	0.53	0.53	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7	U	2.7	2.7	26.7	ug/Kg
108-88-3	Toluene	0.53	U	0.53	0.53	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	0.53	5.3	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.4
Sample Wt/Vol:	5.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008780.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	0.53	5.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.1	U	0.96	1.1	5.3	ug/Kg
591-78-6	2-Hexanone	2.7	U	2.7	2.7	26.7	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	0.53	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	0.53	U	0.53	0.53	5.3	ug/Kg
127-18-4	Tetrachloroethene	4.9	J	0.53	0.53	5.3	ug/Kg
108-90-7	Chlorobenzene	0.53	U	0.53	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	0.53	5.3	ug/Kg
179601-23-1	m/p-Xylenes	1.1	U	0.77	1.1	10.7	ug/Kg
95-47-6	o-Xylene	0.53	U	0.53	0.53	5.3	ug/Kg
100-42-5	Styrene	0.53	U	0.48	0.53	5.3	ug/Kg
75-25-2	Bromoform	1.6	U	0.79	1.6	5.3	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.51	0.53	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.53	U	0.49	0.53	5.3	ug/Kg
103-65-1	n-propylbenzene	0.53	U	0.38	0.53	5.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.53	U	0.48	0.53	5.3	ug/Kg
98-06-6	tert-Butylbenzene	0.53	U	0.53	0.53	5.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.53	U	0.53	0.53	5.3	ug/Kg
135-98-8	sec-Butylbenzene	0.53	U	0.53	0.53	5.3	ug/Kg
99-87-6	p-Isopropyltoluene	0.53	U	0.31	0.53	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.53	U	0.39	0.53	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.53	U	0.44	0.53	5.3	ug/Kg
104-51-8	n-Butylbenzene	0.53	U	0.49	0.53	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.53	U	0.53	0.53	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.93	5.3	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.53	U	0.53	0.53	5.3	ug/Kg
91-20-3	Naphthalene	0.53	U	0.48	0.53	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	0.53	1.1	5.3	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	110	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.6		56 - 120		105%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		57 - 135		110%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-1(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.4
Sample Wt/Vol:	5.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008780.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	42.3		67 - 123		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	23		33 - 141		46%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	631740	7.43				
540-36-3	1,4-Difluorobenzene	906152	8.37				
3114-55-4	Chlorobenzene-d5	530150	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	121306	13.15				

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14 12:50
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
		% Solid:	86.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.134	U	1	0.035	0.134	0.267	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.091	J	1	0.091	0.227	0.454	mg/Kg	06/27/14	06/27/14 16:54	7196A

Comments:

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	13.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010266.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.2	U	15.3	19.2	77.2	ug/Kg
120-36-5	DICHLORPROP	19.2	U	14.2	19.2	77.2	ug/Kg
94-75-7	2,4-D	19.2	U	19.2	19.2	77.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.2	U	12.6	19.2	77.2	ug/Kg
93-76-5	2,4,5-T	19.2	U	11.8	19.2	77.2	ug/Kg
94-82-6	2,4-DB	19.2	U	19.2	19.2	77.2	ug/Kg
88-85-7	DINOSEB	19.2	U	19.2	19.2	77.2	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	181		12 - 189		36%	SPK: 500

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.17	UN	1	0.525	1.17	2.34	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	3.97		1	0.309	0.469	0.938	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	100		1	0.375	2.34	4.69	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.66		1	0.056	0.141	0.281	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.141	U	1	0.056	0.141	0.281	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	22.3		1	0.122	0.234	0.469	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	14.2		1	0.535	0.703	1.41	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	39.3	N	1	0.3	0.469	0.938	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	116		1	0.113	0.281	0.563	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	381		1	0.178	0.469	0.938	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.168		1	0.005	0.005	0.01	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	24.5		1	0.431	0.938	1.88	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.3	N	1	0.384	0.469	0.938	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	0.821		1	0.141	0.234	0.469	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.938	U	1	0.253	0.938	1.88	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	32.4		1	0.553	0.938	1.88	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	112		1	0.656	0.938	1.88	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003571.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.8	U	3.8	3.8	19.6	ug/kg
11104-28-2	Aroclor-1221	3.8	U	3.8	3.8	19.6	ug/kg
11141-16-5	Aroclor-1232	3.8	U	3.8	3.8	19.6	ug/kg
53469-21-9	Aroclor-1242	3.8	U	3.8	3.8	19.6	ug/kg
12672-29-6	Aroclor-1248	3.8	U	3.8	3.8	19.6	ug/kg
11097-69-1	Aroclor-1254	7	J	1.7	3.8	19.6	ug/kg
11096-82-5	Aroclor-1260	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.7		10 - 166		83%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.6		60 - 125		68%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	13.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023143.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.38	U	0.15	0.38	2	ug/kg
319-85-7	beta-BHC	0.38	U	0.207	0.38	2	ug/kg
319-86-8	delta-BHC	0.38	U	0.115	0.38	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.38	U	0.173	0.38	2	ug/kg
76-44-8	Heptachlor	0.38	U	0.161	0.38	2	ug/kg
309-00-2	Aldrin	0.38	U	0.115	0.38	2	ug/kg
1024-57-3	Heptachlor epoxide	0.38	U	0.184	0.38	2	ug/kg
959-98-8	Endosulfan I	0.38	U	0.173	0.38	2	ug/kg
60-57-1	Dieldrin	0.38	U	0.15	0.38	2	ug/kg
72-55-9	4,4-DDE	0.38	U	0.231	0.38	2	ug/kg
72-20-8	Endrin	0.38	U	0.207	0.38	2	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.161	0.38	2	ug/kg
72-54-8	4,4-DDD	0.38	U	0.196	0.38	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.38	U	0.173	0.38	2	ug/kg
50-29-3	4,4-DDT	0.38	U	0.161	0.38	2	ug/kg
72-43-5	Methoxychlor	0.38	U	0.196	0.38	2	ug/kg
53494-70-5	Endrin ketone	0.38	U	0.15	0.38	2	ug/kg
7421-93-4	Endrin aldehyde	0.38	U	0.173	0.38	2	ug/kg
5103-71-9	alpha-Chlordane	0.38	U	0.161	0.38	2	ug/kg
5103-74-2	gamma-Chlordane	0.38	U	0.15	0.38	2	ug/kg
8001-35-2	Toxaphene	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	15.3		10 - 169		77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		31 - 151		86%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875		
Lab Sample ID:	F2875-08	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023143.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072203.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	76.7	U	40	76.7	760	ug/Kg
108-95-2	Phenol	76.7	U	17.7	76.7	760	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	76.7	U	36.8	76.7	760	ug/Kg
95-57-8	2-Chlorophenol	76.7	U	40.5	76.7	760	ug/Kg
95-48-7	2-Methylphenol	76.7	U	41.6	76.7	760	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.7	U	31.7	76.7	760	ug/Kg
98-86-2	Acetophenone	76.7	U	23.5	76.7	760	ug/Kg
65794-96-9	3+4-Methylphenols	76.7	U	39.8	76.7	760	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	76.7	U	38.6	76.7	760	ug/Kg
67-72-1	Hexachloroethane	76.7	U	34.3	76.7	760	ug/Kg
98-95-3	Nitrobenzene	76.7	U	29	76.7	760	ug/Kg
78-59-1	Isophorone	76.7	U	25.3	76.7	760	ug/Kg
88-75-5	2-Nitrophenol	76.7	U	37	76.7	760	ug/Kg
105-67-9	2,4-Dimethylphenol	76.7	U	43.5	76.7	760	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.7	U	44.2	76.7	760	ug/Kg
120-83-2	2,4-Dichlorophenol	76.7	U	29.2	76.7	760	ug/Kg
91-20-3	Naphthalene	76.7	U	26.4	76.7	760	ug/Kg
106-47-8	4-Chloroaniline	76.7	U	54	76.7	760	ug/Kg
87-68-3	Hexachlorobutadiene	76.7	U	27.8	76.7	760	ug/Kg
105-60-2	Caprolactam	150	U	35.6	150	760	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.7	U	34	76.7	760	ug/Kg
91-57-6	2-Methylnaphthalene	76.7	U	19.3	76.7	760	ug/Kg
77-47-4	Hexachlorocyclopentadiene	76.7	U	18.6	76.7	760	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.7	U	23.5	76.7	760	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.7	U	53.8	76.7	760	ug/Kg
92-52-4	1,1-Biphenyl	76.7	U	29	76.7	760	ug/Kg
91-58-7	2-Chloronaphthalene	76.7	U	17.5	76.7	760	ug/Kg
88-74-4	2-Nitroaniline	76.7	U	34	76.7	760	ug/Kg
131-11-3	Dimethylphthalate	740	J	20.7	76.7	760	ug/Kg
208-96-8	Acenaphthylene	76.7	U	19.3	76.7	760	ug/Kg
606-20-2	2,6-Dinitrotoluene	76.7	U	31.3	76.7	760	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072203.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	150	U	49.2	150	760	ug/Kg
83-32-9	Acenaphthene	76.7	U	21.6	76.7	760	ug/Kg
51-28-5	2,4-Dinitrophenol	610	U	78	610	760	ug/Kg
100-02-7	4-Nitrophenol	380	U	140	380	760	ug/Kg
132-64-9	Dibenzofuran	76.7	U	29.9	76.7	760	ug/Kg
121-14-2	2,4-Dinitrotoluene	76.7	U	23	76.7	760	ug/Kg
84-66-2	Diethylphthalate	76.7	U	12	76.7	760	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	76.7	U	41.6	76.7	760	ug/Kg
86-73-7	Fluorene	76.7	U	29	76.7	760	ug/Kg
100-01-6	4-Nitroaniline	150	U	99.8	150	760	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	43.9	380	760	ug/Kg
86-30-6	n-Nitrosodiphenylamine	76.7	U	18.4	76.7	760	ug/Kg
101-55-3	4-Bromophenyl-phenylether	76.7	U	14.9	76.7	760	ug/Kg
118-74-1	Hexachlorobenzene	76.7	U	31.3	76.7	760	ug/Kg
1912-24-9	Atrazine	76.7	U	40.5	76.7	760	ug/Kg
87-86-5	Pentachlorophenol	76.7	U	52.4	76.7	760	ug/Kg
85-01-8	Phenanthrene	530	J	20.7	76.7	760	ug/Kg
120-12-7	Anthracene	76.7	U	15.6	76.7	760	ug/Kg
86-74-8	Carbazole	76.7	U	16.8	76.7	760	ug/Kg
84-74-2	Di-n-butylphthalate	76.7	U	60.3	76.7	760	ug/Kg
206-44-0	Fluoranthene	1300		15.4	76.7	760	ug/Kg
129-00-0	Pyrene	1100		18.4	76.7	760	ug/Kg
85-68-7	Butylbenzylphthalate	76.7	U	36.8	76.7	760	ug/Kg
91-94-1	3,3-Dichlorobenzidine	76.7	U	49.2	76.7	760	ug/Kg
56-55-3	Benzo(a)anthracene	670	J	36.6	76.7	760	ug/Kg
218-01-9	Chrysene	660	J	34.7	76.7	760	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.7	U	27.1	76.7	760	ug/Kg
117-84-0	Di-n-octyl phthalate	76.7	U	8.7	76.7	760	ug/Kg
205-99-2	Benzo(b)fluoranthene	790		25.1	76.7	760	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	J	36.1	76.7	760	ug/Kg
50-32-8	Benzo(a)pyrene	620	J	16.6	76.7	760	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	360	J	25.5	76.7	760	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	76.7	U	22.1	76.7	760	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072203.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	440	J	31	76.7	760	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	76.7	U	30.1	76.7	760	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.7	U	30.1	76.7	760	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	140		28 - 127		94%	SPK: 150
13127-88-3	Phenol-d6	140		34 - 127		95%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.7		31 - 132		81%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.5		39 - 123		84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		30 - 133		83%	SPK: 150
1718-51-0	Terphenyl-d14	79		37 - 115		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44582	7.2				
1146-65-2	Naphthalene-d8	193884	8.78				
15067-26-2	Acenaphthene-d10	104190	10.95				
1517-22-2	Phenanthrene-d10	186765	12.78				
1719-03-5	Chrysene-d12	225471	16.05				
1520-96-3	Perylene-d12	209803	17.74				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	14600	J			1.41	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	860	J			1.68	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	580	A			4.94	ug/Kg
	unknown6.92	3900	J			6.92	ug/Kg
004425-82-5	9H-Fluorene, 9-methylene-	160	J			12.87	ug/Kg
083469-43-6	6H-Cyclobuta[k]phenanthrene	320	J			13.53	ug/Kg
001599-67-3	1-Docosene	290	J			15.96	ug/Kg
000192-97-2	Benzo[e]pyrene	390	J			17.61	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072203.D	2	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	6.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042157.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.46	U	0.46	0.46	4.6	ug/Kg
74-87-3	Chloromethane	0.46	U	0.46	0.46	4.6	ug/Kg
75-01-4	Vinyl Chloride	0.46	U	0.46	0.46	4.6	ug/Kg
74-83-9	Bromomethane	0.93	U	0.93	0.93	4.6	ug/Kg
75-00-3	Chloroethane	0.46	U	0.46	0.46	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.46	U	0.46	0.46	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	0.46	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.46	U	0.46	0.46	4.6	ug/Kg
67-64-1	Acetone	2.3	U	2.3	2.3	23.2	ug/Kg
75-15-0	Carbon Disulfide	0.46	U	0.46	0.46	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.46	U	0.46	0.46	4.6	ug/Kg
79-20-9	Methyl Acetate	0.93	U	0.93	0.93	4.6	ug/Kg
75-09-2	Methylene Chloride	0.46	U	0.46	0.46	4.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	0.46	0.46	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.46	U	0.46	0.46	4.6	ug/Kg
110-82-7	Cyclohexane	0.46	U	0.46	0.46	4.6	ug/Kg
78-93-3	2-Butanone	7	U	2.9	7	23.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.46	U	0.46	0.46	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.46	U	0.46	0.46	4.6	ug/Kg
74-97-5	Bromochloromethane	0.46	U	0.46	0.46	4.6	ug/Kg
67-66-3	Chloroform	0.46	U	0.46	0.46	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.46	U	0.46	0.46	4.6	ug/Kg
108-87-2	Methylcyclohexane	0.46	U	0.46	0.46	4.6	ug/Kg
71-43-2	Benzene	0.46	U	0.35	0.46	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	0.46	U	0.46	0.46	4.6	ug/Kg
79-01-6	Trichloroethene	0.46	U	0.46	0.46	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	0.46	U	0.24	0.46	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	0.46	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.3	U	2.3	2.3	23.2	ug/Kg
108-88-3	Toluene	0.46	U	0.46	0.46	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.46	U	0.46	0.46	4.6	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	6.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042157.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	0.46	4.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.84	0.93	4.6	ug/Kg
591-78-6	2-Hexanone	2.3	U	2.3	2.3	23.2	ug/Kg
124-48-1	Dibromochloromethane	0.46	U	0.46	0.46	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	0.46	U	0.46	0.46	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.46	U	0.46	0.46	4.6	ug/Kg
108-90-7	Chlorobenzene	0.46	U	0.46	0.46	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.46	U	0.46	0.46	4.6	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.67	0.93	9.3	ug/Kg
95-47-6	o-Xylene	0.46	U	0.46	0.46	4.6	ug/Kg
100-42-5	Styrene	0.46	U	0.42	0.46	4.6	ug/Kg
75-25-2	Bromoform	1.4	U	0.69	1.4	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.46	U	0.45	0.46	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	0.43	0.46	4.6	ug/Kg
103-65-1	n-propylbenzene	0.46	U	0.33	0.46	4.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.46	U	0.42	0.46	4.6	ug/Kg
98-06-6	tert-Butylbenzene	0.46	U	0.46	0.46	4.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.46	U	0.46	0.46	4.6	ug/Kg
135-98-8	sec-Butylbenzene	0.46	U	0.46	0.46	4.6	ug/Kg
99-87-6	p-Isopropyltoluene	0.46	U	0.27	0.46	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.46	U	0.34	0.46	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.46	U	0.38	0.46	4.6	ug/Kg
104-51-8	n-Butylbenzene	0.46	U	0.43	0.46	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	0.46	0.46	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.6	U	0.81	4.6	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.46	U	0.46	0.46	4.6	ug/Kg
91-20-3	Naphthalene	0.46	U	0.42	0.46	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.93	U	0.46	0.93	4.6	ug/Kg
123-91-1	1,4-Dioxane	92.9	U	92.9	92.9	92.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	63.8	*	56 - 120		128%	SPK: 50
1868-53-7	Dibromofluoromethane	64.3		57 - 135		128%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	6.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042157.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	56.5		67 - 123		113%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		33 - 141		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168425	4.87				
540-36-3	1,4-Difluorobenzene	265218	5.59				
3114-55-4	Chlorobenzene-d5	201443	9.75				
3855-82-1	1,4-Dichlorobenzene-d4	78217	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)RE	SDG No.:	F2875
Lab Sample ID:	F2875-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008781.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.54	U	0.54	0.54	5.4	ug/Kg
74-87-3	Chloromethane	0.54	U	0.54	0.54	5.4	ug/Kg
75-01-4	Vinyl Chloride	0.54	U	0.54	0.54	5.4	ug/Kg
74-83-9	Bromomethane	1.1	U	1.1	1.1	5.4	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	0.54	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.54	U	0.54	0.54	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.54	U	0.54	0.54	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.54	U	0.54	0.54	5.4	ug/Kg
67-64-1	Acetone	43.4		2.7	2.7	27.2	ug/Kg
75-15-0	Carbon Disulfide	0.54	U	0.54	0.54	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	0.54	5.4	ug/Kg
79-20-9	Methyl Acetate	1.1	U	1.1	1.1	5.4	ug/Kg
75-09-2	Methylene Chloride	0.54	U	0.54	0.54	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.54	U	0.54	0.54	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	0.54	5.4	ug/Kg
110-82-7	Cyclohexane	0.54	U	0.54	0.54	5.4	ug/Kg
78-93-3	2-Butanone	8.2	U	3.4	8.2	27.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.54	U	0.54	0.54	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	0.54	5.4	ug/Kg
74-97-5	Bromochloromethane	0.54	U	0.54	0.54	5.4	ug/Kg
67-66-3	Chloroform	0.54	U	0.54	0.54	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.54	5.4	ug/Kg
108-87-2	Methylcyclohexane	0.54	U	0.54	0.54	5.4	ug/Kg
71-43-2	Benzene	0.54	U	0.41	0.54	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	0.54	5.4	ug/Kg
79-01-6	Trichloroethene	0.54	U	0.54	0.54	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.28	0.54	5.4	ug/Kg
75-27-4	Bromodichloromethane	0.54	U	0.54	0.54	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7	U	2.7	2.7	27.2	ug/Kg
108-88-3	Toluene	0.54	U	0.54	0.54	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	0.54	5.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)RE	SDG No.:	F2875
Lab Sample ID:	F2875-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008781.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	0.54	5.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.1	U	0.98	1.1	5.4	ug/Kg
591-78-6	2-Hexanone	2.7	U	2.7	2.7	27.2	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	0.54	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	0.54	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.54	U	0.54	0.54	5.4	ug/Kg
108-90-7	Chlorobenzene	0.54	U	0.54	0.54	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	0.54	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.1	U	0.78	1.1	10.9	ug/Kg
95-47-6	o-Xylene	0.54	U	0.54	0.54	5.4	ug/Kg
100-42-5	Styrene	0.54	U	0.49	0.54	5.4	ug/Kg
75-25-2	Bromoform	1.6	U	0.81	1.6	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	0.52	0.54	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.54	U	0.5	0.54	5.4	ug/Kg
103-65-1	n-propylbenzene	0.54	U	0.39	0.54	5.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.54	U	0.49	0.54	5.4	ug/Kg
98-06-6	tert-Butylbenzene	0.54	U	0.54	0.54	5.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.54	U	0.54	0.54	5.4	ug/Kg
135-98-8	sec-Butylbenzene	0.54	U	0.54	0.54	5.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.54	U	0.32	0.54	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.54	U	0.4	0.54	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.54	U	0.45	0.54	5.4	ug/Kg
104-51-8	n-Butylbenzene	0.54	U	0.5	0.54	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	0.54	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U	0.95	5.4	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	0.54	5.4	ug/Kg
91-20-3	Naphthalene	0.54	U	0.49	0.54	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	0.54	1.1	5.4	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	110	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		56 - 120		104%	SPK: 50
1868-53-7	Dibromofluoromethane	38.6		57 - 135		77%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-2(0-5)RE	SDG No.:	F2875
Lab Sample ID:	F2875-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008781.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	44.4		67 - 123		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.8		33 - 141		68%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	629179	7.43				
540-36-3	1,4-Difluorobenzene	920143	8.37				
3114-55-4	Chlorobenzene-d5	661756	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	238524	13.15				

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14 13:40
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
		% Solid:	88

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.138	U	1	0.036	0.138	0.276	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.09	J	1	0.09	0.226	0.451	mg/Kg	06/27/14	06/27/14 16:55	7196A

Comments:

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	12
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010267.D	1	06/27/14	06/30/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	18.9	U	15.1	18.9	76	ug/Kg
120-36-5	DICHLORPROP	18.9	U	14	18.9	76	ug/Kg
94-75-7	2,4-D	18.9	U	18.9	18.9	76	ug/Kg
93-72-1	2,4,5-TP (Silvex)	18.9	U	12.4	18.9	76	ug/Kg
93-76-5	2,4,5-T	18.9	U	11.6	18.9	76	ug/Kg
94-82-6	2,4-DB	18.9	U	18.9	18.9	76	ug/Kg
88-85-7	DINOSEB	18.9	U	18.9	18.9	76	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	193		12 - 189		39%	SPK: 500

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	88

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.19	UN	1	0.533	1.19	2.38	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	2.82		1	0.314	0.475	0.951	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	91.4		1	0.38	2.38	4.75	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.632		1	0.057	0.143	0.285	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.143	U	1	0.057	0.143	0.285	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	24.7		1	0.124	0.238	0.475	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	25.2		1	0.542	0.713	1.43	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	25	N	1	0.304	0.475	0.951	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	20.6		1	0.114	0.285	0.571	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	658		1	0.181	0.475	0.951	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.029		1	0.006	0.006	0.011	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	26.4		1	0.437	0.951	1.9	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.52	N	1	0.39	0.475	0.951	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	1.14		1	0.143	0.238	0.475	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.951	U	1	0.257	0.951	1.9	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	36.3		1	0.561	0.951	1.9	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	74.7		1	0.666	0.951	1.9	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003574.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.8	U	3.8	3.8	19.3	ug/kg
11104-28-2	Aroclor-1221	3.8	U	3.8	3.8	19.3	ug/kg
11141-16-5	Aroclor-1232	3.8	U	3.8	3.8	19.3	ug/kg
53469-21-9	Aroclor-1242	3.8	U	3.8	3.8	19.3	ug/kg
12672-29-6	Aroclor-1248	3.8	U	3.8	3.8	19.3	ug/kg
11097-69-1	Aroclor-1254	3.8	U	1.7	3.8	19.3	ug/kg
11096-82-5	Aroclor-1260	3.8	U	3.8	3.8	19.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19		10 - 166		95%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		60 - 125		87%	SPK: 20

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	12
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023146.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.374	U	0.147	0.374	1.9	ug/kg
319-85-7	beta-BHC	0.374	U	0.204	0.374	1.9	ug/kg
319-86-8	delta-BHC	0.374	U	0.113	0.374	1.9	ug/kg
58-89-9	gamma-BHC (Lindane)	0.374	U	0.17	0.374	1.9	ug/kg
76-44-8	Heptachlor	0.374	U	0.159	0.374	1.9	ug/kg
309-00-2	Aldrin	0.374	U	0.113	0.374	1.9	ug/kg
1024-57-3	Heptachlor epoxide	0.374	U	0.181	0.374	1.9	ug/kg
959-98-8	Endosulfan I	0.374	U	0.17	0.374	1.9	ug/kg
60-57-1	Dieldrin	0.374	U	0.147	0.374	1.9	ug/kg
72-55-9	4,4-DDE	0.374	U	0.227	0.374	1.9	ug/kg
72-20-8	Endrin	0.374	U	0.204	0.374	1.9	ug/kg
33213-65-9	Endosulfan II	0.374	U	0.159	0.374	1.9	ug/kg
72-54-8	4,4-DDD	0.374	U	0.193	0.374	1.9	ug/kg
1031-07-8	Endosulfan Sulfate	0.374	U	0.17	0.374	1.9	ug/kg
50-29-3	4,4-DDT	0.374	U	0.159	0.374	1.9	ug/kg
72-43-5	Methoxychlor	0.374	U	0.193	0.374	1.9	ug/kg
53494-70-5	Endrin ketone	0.374	U	0.147	0.374	1.9	ug/kg
7421-93-4	Endrin aldehyde	0.374	U	0.17	0.374	1.9	ug/kg
5103-71-9	alpha-Chlordane	0.374	U	0.159	0.374	1.9	ug/kg
5103-74-2	gamma-Chlordane	0.374	U	0.147	0.374	1.9	ug/kg
8001-35-2	Toxaphene	3.8	U	3.8	3.8	19.3	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.6		10 - 169		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		31 - 151		105%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14			
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875			
Lab Sample ID:	F2875-09	Matrix:	SOIL			
Analytical Method:	SW8081	% Moisture:	12	Decanted:		
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023146.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072184.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	37.8	U	19.7	37.8	370	ug/Kg
108-95-2	Phenol	37.8	U	8.7	37.8	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	37.8	U	18.1	37.8	370	ug/Kg
95-57-8	2-Chlorophenol	37.8	U	20	37.8	370	ug/Kg
95-48-7	2-Methylphenol	37.8	U	20.5	37.8	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.8	U	15.6	37.8	370	ug/Kg
98-86-2	Acetophenone	37.8	U	11.6	37.8	370	ug/Kg
65794-96-9	3+4-Methylphenols	37.8	U	19.6	37.8	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.8	U	19	37.8	370	ug/Kg
67-72-1	Hexachloroethane	37.8	U	16.9	37.8	370	ug/Kg
98-95-3	Nitrobenzene	37.8	U	14.3	37.8	370	ug/Kg
78-59-1	Isophorone	37.8	U	12.5	37.8	370	ug/Kg
88-75-5	2-Nitrophenol	37.8	U	18.3	37.8	370	ug/Kg
105-67-9	2,4-Dimethylphenol	37.8	U	21.4	37.8	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.8	U	21.8	37.8	370	ug/Kg
120-83-2	2,4-Dichlorophenol	37.8	U	14.4	37.8	370	ug/Kg
91-20-3	Naphthalene	37.8	U	13	37.8	370	ug/Kg
106-47-8	4-Chloroaniline	37.8	U	26.6	37.8	370	ug/Kg
87-68-3	Hexachlorobutadiene	37.8	U	13.7	37.8	370	ug/Kg
105-60-2	Caprolactam	75.6	U	17.6	75.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37.8	U	16.8	37.8	370	ug/Kg
91-57-6	2-Methylnaphthalene	37.8	U	9.5	37.8	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	37.8	U	9.2	37.8	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	37.8	U	11.6	37.8	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37.8	U	26.5	37.8	370	ug/Kg
92-52-4	1,1-Biphenyl	37.8	U	14.3	37.8	370	ug/Kg
91-58-7	2-Chloronaphthalene	37.8	U	8.6	37.8	370	ug/Kg
88-74-4	2-Nitroaniline	37.8	U	16.8	37.8	370	ug/Kg
131-11-3	Dimethylphthalate	570		10.2	37.8	370	ug/Kg
208-96-8	Acenaphthylene	37.8	U	9.5	37.8	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.8	U	15.4	37.8	370	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072184.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	75.6	U	24.3	75.6	370	ug/Kg
83-32-9	Acenaphthene	37.8	U	10.7	37.8	370	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	38.4	300	370	ug/Kg
100-02-7	4-Nitrophenol	190	U	70.2	190	370	ug/Kg
132-64-9	Dibenzofuran	37.8	U	14.7	37.8	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	37.8	U	11.3	37.8	370	ug/Kg
84-66-2	Diethylphthalate	37.8	U	5.9	37.8	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	37.8	U	20.5	37.8	370	ug/Kg
86-73-7	Fluorene	37.8	U	14.3	37.8	370	ug/Kg
100-01-6	4-Nitroaniline	75.6	U	49.2	75.6	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	21.7	190	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.8	U	9.1	37.8	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	37.8	U	7.4	37.8	370	ug/Kg
118-74-1	Hexachlorobenzene	37.8	U	15.4	37.8	370	ug/Kg
1912-24-9	Atrazine	37.8	U	20	37.8	370	ug/Kg
87-86-5	Pentachlorophenol	37.8	U	25.8	37.8	370	ug/Kg
85-01-8	Phenanthrene	37.8	U	10.2	37.8	370	ug/Kg
120-12-7	Anthracene	37.8	U	7.7	37.8	370	ug/Kg
86-74-8	Carbazole	37.8	U	8.3	37.8	370	ug/Kg
84-74-2	Di-n-butylphthalate	37.8	U	29.7	37.8	370	ug/Kg
206-44-0	Fluoranthene	37.8	U	7.6	37.8	370	ug/Kg
129-00-0	Pyrene	37.8	U	9.1	37.8	370	ug/Kg
85-68-7	Butylbenzylphthalate	37.8	U	18.1	37.8	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37.8	U	24.3	37.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	37.8	U	18	37.8	370	ug/Kg
218-01-9	Chrysene	37.8	U	17.1	37.8	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	37.8	U	13.4	37.8	370	ug/Kg
117-84-0	Di-n-octyl phthalate	37.8	U	4.3	37.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	37.8	U	12.4	37.8	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	37.8	U	17.8	37.8	370	ug/Kg
50-32-8	Benzo(a)pyrene	37.8	U	8.2	37.8	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37.8	U	12.6	37.8	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37.8	U	10.9	37.8	370	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072184.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	37.8	U	15.3	37.8	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	37.8	U	14.9	37.8	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37.8	U	14.9	37.8	370	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		71%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		76%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.9		31 - 132		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.3		39 - 123		67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		30 - 133		70%	SPK: 150
1718-51-0	Terphenyl-d14	72.1		37 - 115		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46370	7.2				
1146-65-2	Naphthalene-d8	196464	8.78				
15067-26-2	Acenaphthene-d10	93414	10.95				
1517-22-2	Phenanthrene-d10	194655	12.78				
1719-03-5	Chrysene-d12	199601	16.05				
1520-96-3	Perylene-d12	184230	17.74				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	9600	J			1.41	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	750	J			1.68	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	490	A			4.94	ug/Kg
	unknown6.90	2800	J			6.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12
Sample Wt/Vol:	4.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042158.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.69	U	0.69	0.69	6.9	ug/Kg
74-87-3	Chloromethane	0.69	U	0.69	0.69	6.9	ug/Kg
75-01-4	Vinyl Chloride	0.69	U	0.69	0.69	6.9	ug/Kg
74-83-9	Bromomethane	1.4	U	1.4	1.4	6.9	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	0.69	6.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U	0.69	0.69	6.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	0.69	0.69	6.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.69	U	0.69	0.69	6.9	ug/Kg
67-64-1	Acetone	3.4	U	3.4	3.4	34.4	ug/Kg
75-15-0	Carbon Disulfide	0.69	U	0.69	0.69	6.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	0.69	6.9	ug/Kg
79-20-9	Methyl Acetate	1.4	U	1.4	1.4	6.9	ug/Kg
75-09-2	Methylene Chloride	0.69	U	0.69	0.69	6.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	0.69	6.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	0.69	6.9	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	0.69	6.9	ug/Kg
78-93-3	2-Butanone	10.3	U	4.3	10.3	34.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	0.69	6.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	0.69	6.9	ug/Kg
74-97-5	Bromochloromethane	0.69	U	0.69	0.69	6.9	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	0.69	6.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	0.69	6.9	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	0.69	6.9	ug/Kg
71-43-2	Benzene	0.69	U	0.52	0.69	6.9	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	0.69	6.9	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	0.69	6.9	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.36	0.69	6.9	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	0.69	6.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.4	U	3.4	3.4	34.4	ug/Kg
108-88-3	Toluene	0.69	U	0.69	0.69	6.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	0.69	6.9	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12
Sample Wt/Vol:	4.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042158.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.69	U	0.69	0.69	6.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.4	U	1.2	1.4	6.9	ug/Kg
591-78-6	2-Hexanone	3.4	U	3.4	3.4	34.4	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	0.69	6.9	ug/Kg
106-93-4	1,2-Dibromoethane	0.69	U	0.69	0.69	6.9	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	0.69	6.9	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	0.69	6.9	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	0.69	6.9	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	0.99	1.4	13.8	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	0.69	6.9	ug/Kg
100-42-5	Styrene	0.69	U	0.62	0.69	6.9	ug/Kg
75-25-2	Bromoform	2.1	U	1	2.1	6.9	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.66	0.69	6.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.63	0.69	6.9	ug/Kg
103-65-1	n-propylbenzene	0.69	U	0.5	0.69	6.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.69	U	0.62	0.69	6.9	ug/Kg
98-06-6	tert-Butylbenzene	0.69	U	0.69	0.69	6.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.69	U	0.69	0.69	6.9	ug/Kg
135-98-8	sec-Butylbenzene	0.69	U	0.69	0.69	6.9	ug/Kg
99-87-6	p-Isopropyltoluene	0.69	U	0.4	0.69	6.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.69	U	0.51	0.69	6.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.69	U	0.56	0.69	6.9	ug/Kg
104-51-8	n-Butylbenzene	0.69	U	0.63	0.69	6.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.69	U	0.69	0.69	6.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.9	U	1.2	6.9	6.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.69	U	0.69	0.69	6.9	ug/Kg
91-20-3	Naphthalene	0.69	U	0.62	0.69	6.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	0.69	1.4	6.9	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	140	140	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	39.9		56 - 120		80%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)	SDG No.:	F2875
Lab Sample ID:	F2875-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12
Sample Wt/Vol:	4.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042158.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	32.4	*	67 - 123		65%	SPK: 50
460-00-4	4-Bromofluorobenzene	13.6	*	33 - 141		27%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159905	4.88				
540-36-3	1,4-Difluorobenzene	250004	5.59				
3114-55-4	Chlorobenzene-d5	136317	9.75				
3855-82-1	1,4-Dichlorobenzene-d4	19124	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)RE	SDG No.:	F2875
Lab Sample ID:	F2875-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008799.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.56	U	0.56	0.56	5.6	ug/Kg
74-87-3	Chloromethane	0.56	U	0.56	0.56	5.6	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	0.56	5.6	ug/Kg
74-83-9	Bromomethane	1.1	U	1.1	1.1	5.6	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	0.56	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U	0.56	0.56	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	U	0.56	0.56	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.56	U	0.56	0.56	5.6	ug/Kg
67-64-1	Acetone	7	J	2.8	2.8	28	ug/Kg
75-15-0	Carbon Disulfide	0.56	U	0.56	0.56	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	0.56	5.6	ug/Kg
79-20-9	Methyl Acetate	1.1	U	1.1	1.1	5.6	ug/Kg
75-09-2	Methylene Chloride	0.56	U	0.56	0.56	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.56	U	0.56	0.56	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.56	U	0.56	0.56	5.6	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	0.56	5.6	ug/Kg
78-93-3	2-Butanone	8.4	U	3.5	8.4	28	ug/Kg
56-23-5	Carbon Tetrachloride	0.56	U	0.56	0.56	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	0.56	5.6	ug/Kg
74-97-5	Bromochloromethane	0.56	U	0.56	0.56	5.6	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	0.56	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.56	U	0.56	0.56	5.6	ug/Kg
108-87-2	Methylcyclohexane	0.56	U	0.56	0.56	5.6	ug/Kg
71-43-2	Benzene	0.56	U	0.43	0.56	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	U	0.56	0.56	5.6	ug/Kg
79-01-6	Trichloroethene	0.56	U	0.56	0.56	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	0.56	U	0.29	0.56	5.6	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	0.56	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8	U	2.8	2.8	28	ug/Kg
108-88-3	Toluene	0.56	U	0.56	0.56	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	0.56	5.6	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)RE	SDG No.:	F2875
Lab Sample ID:	F2875-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008799.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	0.56	5.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.1	U	1	1.1	5.6	ug/Kg
591-78-6	2-Hexanone	2.8	U	2.8	2.8	28	ug/Kg
124-48-1	Dibromochloromethane	0.56	U	0.56	0.56	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	0.56	U	0.56	0.56	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.56	U	0.56	0.56	5.6	ug/Kg
108-90-7	Chlorobenzene	0.56	U	0.56	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	0.56	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.1	U	0.81	1.1	11.2	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	0.56	5.6	ug/Kg
100-42-5	Styrene	0.56	U	0.5	0.56	5.6	ug/Kg
75-25-2	Bromoform	1.7	U	0.83	1.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.54	0.56	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	0.52	0.56	5.6	ug/Kg
103-65-1	n-propylbenzene	0.56	U	0.4	0.56	5.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.56	U	0.5	0.56	5.6	ug/Kg
98-06-6	tert-Butylbenzene	0.56	U	0.56	0.56	5.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.56	U	0.56	0.56	5.6	ug/Kg
135-98-8	sec-Butylbenzene	0.56	U	0.56	0.56	5.6	ug/Kg
99-87-6	p-Isopropyltoluene	0.56	U	0.32	0.56	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.56	U	0.41	0.56	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.56	U	0.46	0.56	5.6	ug/Kg
104-51-8	n-Butylbenzene	0.56	U	0.52	0.56	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	0.56	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	0.97	5.6	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.56	U	0.56	0.56	5.6	ug/Kg
91-20-3	Naphthalene	0.56	U	0.5	0.56	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	0.56	1.1	5.6	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	110	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50		56 - 120		100%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		57 - 135		110%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-12(0-5)RE	SDG No.:	F2875
Lab Sample ID:	F2875-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008799.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	42.5		67 - 123		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	26		33 - 141		52%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	650664	7.43				
540-36-3	1,4-Difluorobenzene	920614	8.37				
3114-55-4	Chlorobenzene-d5	585788	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	171157	13.15				

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N = Presumptive Evidence of a Compound

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D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14 12:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.22		1	0	0	0	mg/Kg		06/26/14 14:10	9045C
Cyanide	0.141	U	1	0.037	0.141	0.282	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.094	J	1	0.094	0.235	0.47	mg/Kg	06/27/14	06/27/14 16:55	7196A
Ignitability	NO		1	0	0	0	o C	06/30/14	06/30/14 14:00	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	06/26/14	06/30/14 16:06	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	06/26/14	06/27/14 15:15	9034

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

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* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875		
Lab Sample ID:	F2875-10	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	15.5	Decanted:	
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC011939.D	1	06/28/14	06/30/14	PB77512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	4097		985	985	1970	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	19.5		37 - 130		97%	SPK: 20

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875		
Lab Sample ID:	F2875-10	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	15.5	Decanted:	
Sample Wt/Vol:	5.03	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004489.D	1		07/01/14	FB070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	26	U	14	26	53	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	14.5		50 - 150		72%	SPK: 20

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	15.5
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010268.D	1	06/27/14	07/01/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.7	U	15.7	19.7	79.1	ug/Kg
120-36-5	DICHLORPROP	19.7	U	14.6	19.7	79.1	ug/Kg
94-75-7	2,4-D	19.7	U	19.7	19.7	79.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.7	U	12.9	19.7	79.1	ug/Kg
93-76-5	2,4,5-T	19.7	U	12.1	19.7	79.1	ug/Kg
94-82-6	2,4-DB	19.7	U	19.7	19.7	79.1	ug/Kg
88-85-7	DINOSEB	19.7	U	19.7	19.7	79.1	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	198		12 - 189		40%	SPK: 500

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.21	UN	1	0.541	1.21	2.42	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	4.14		1	0.319	0.483	0.966	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	47.1		1	0.386	2.42	4.83	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.686		1	0.058	0.145	0.29	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.145	U	1	0.058	0.145	0.29	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	20.4		1	0.126	0.242	0.483	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	7.39		1	0.551	0.725	1.45	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	7.86	N	1	0.309	0.483	0.966	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	9.84		1	0.116	0.29	0.58	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	264		1	0.184	0.483	0.966	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.039		1	0.005	0.005	0.011	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	13.3		1	0.444	0.966	1.93	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.55	N	1	0.396	0.483	0.966	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	1.1		1	0.145	0.242	0.483	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.966	U	1	0.261	0.966	1.93	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	48.8		1	0.57	0.966	1.93	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	32.3		1	0.676	0.966	1.93	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875		
Lab Sample ID:	F2875-10	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	15.5	Decanted:	
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003575.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.9	U	3.9	3.9	20.1	ug/kg
11104-28-2	Aroclor-1221	3.9	U	3.9	3.9	20.1	ug/kg
11141-16-5	Aroclor-1232	3.9	U	3.9	3.9	20.1	ug/kg
53469-21-9	Aroclor-1242	3.9	U	3.9	3.9	20.1	ug/kg
12672-29-6	Aroclor-1248	3.9	U	3.9	3.9	20.1	ug/kg
11097-69-1	Aroclor-1254	3.9	U	1.8	3.9	20.1	ug/kg
11096-82-5	Aroclor-1260	3.9	U	3.9	3.9	20.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.2		10 - 166		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 125		91%	SPK: 20

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	15.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		uL	
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023147.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.39	U	0.154	0.39	2	ug/kg
319-85-7	beta-BHC	0.39	U	0.213	0.39	2	ug/kg
319-86-8	delta-BHC	0.39	U	0.118	0.39	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.39	U	0.177	0.39	2	ug/kg
76-44-8	Heptachlor	0.39	U	0.166	0.39	2	ug/kg
309-00-2	Aldrin	0.39	U	0.118	0.39	2	ug/kg
1024-57-3	Heptachlor epoxide	0.39	U	0.189	0.39	2	ug/kg
959-98-8	Endosulfan I	0.39	U	0.177	0.39	2	ug/kg
60-57-1	Dieldrin	0.39	U	0.154	0.39	2	ug/kg
72-55-9	4,4-DDE	0.39	U	0.237	0.39	2	ug/kg
72-20-8	Endrin	0.39	U	0.213	0.39	2	ug/kg
33213-65-9	Endosulfan II	0.39	U	0.166	0.39	2	ug/kg
72-54-8	4,4-DDD	0.39	U	0.201	0.39	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.39	U	0.177	0.39	2	ug/kg
50-29-3	4,4-DDT	0.39	U	0.166	0.39	2	ug/kg
72-43-5	Methoxychlor	0.39	U	0.201	0.39	2	ug/kg
53494-70-5	Endrin ketone	0.39	U	0.154	0.39	2	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.177	0.39	2	ug/kg
5103-71-9	alpha-Chlordane	0.39	U	0.166	0.39	2	ug/kg
5103-74-2	gamma-Chlordane	0.39	U	0.154	0.39	2	ug/kg
8001-35-2	Toxaphene	3.9	U	3.9	3.9	20.1	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.6		10 - 169		98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		31 - 151		102%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875		
Lab Sample ID:	F2875-10	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	15.5	Decanted:	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023147.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072185.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	39.4	U	20.6	39.4	390	ug/Kg
108-95-2	Phenol	39.4	U	9.1	39.4	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	39.4	U	18.9	39.4	390	ug/Kg
95-57-8	2-Chlorophenol	39.4	U	20.8	39.4	390	ug/Kg
95-48-7	2-Methylphenol	39.4	U	21.4	39.4	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.4	U	16.3	39.4	390	ug/Kg
98-86-2	Acetophenone	39.4	U	12.1	39.4	390	ug/Kg
65794-96-9	3+4-Methylphenols	39.4	U	20.5	39.4	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.4	U	19.9	39.4	390	ug/Kg
67-72-1	Hexachloroethane	39.4	U	17.6	39.4	390	ug/Kg
98-95-3	Nitrobenzene	39.4	U	14.9	39.4	390	ug/Kg
78-59-1	Isophorone	39.4	U	13	39.4	390	ug/Kg
88-75-5	2-Nitrophenol	39.4	U	19	39.4	390	ug/Kg
105-67-9	2,4-Dimethylphenol	39.4	U	22.4	39.4	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	39.4	U	22.7	39.4	390	ug/Kg
120-83-2	2,4-Dichlorophenol	39.4	U	15	39.4	390	ug/Kg
91-20-3	Naphthalene	39.4	U	13.6	39.4	390	ug/Kg
106-47-8	4-Chloroaniline	39.4	U	27.8	39.4	390	ug/Kg
87-68-3	Hexachlorobutadiene	39.4	U	14.3	39.4	390	ug/Kg
105-60-2	Caprolactam	78.9	U	18.3	78.9	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	39.4	U	17.5	39.4	390	ug/Kg
91-57-6	2-Methylnaphthalene	39.4	U	9.9	39.4	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	39.4	U	9.6	39.4	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	39.4	U	12.1	39.4	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39.4	U	27.7	39.4	390	ug/Kg
92-52-4	1,1-Biphenyl	39.4	U	14.9	39.4	390	ug/Kg
91-58-7	2-Chloronaphthalene	39.4	U	9	39.4	390	ug/Kg
88-74-4	2-Nitroaniline	39.4	U	17.5	39.4	390	ug/Kg
131-11-3	Dimethylphthalate	540		10.6	39.4	390	ug/Kg
208-96-8	Acenaphthylene	39.4	U	9.9	39.4	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.4	U	16.1	39.4	390	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072185.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	78.9	U	25.3	78.9	390	ug/Kg
83-32-9	Acenaphthene	39.4	U	11.1	39.4	390	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	40.1	320	390	ug/Kg
100-02-7	4-Nitrophenol	200	U	73.2	200	390	ug/Kg
132-64-9	Dibenzofuran	39.4	U	15.4	39.4	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	39.4	U	11.8	39.4	390	ug/Kg
84-66-2	Diethylphthalate	39.4	U	6.2	39.4	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	39.4	U	21.4	39.4	390	ug/Kg
86-73-7	Fluorene	39.4	U	14.9	39.4	390	ug/Kg
100-01-6	4-Nitroaniline	78.9	U	51.3	78.9	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	22.6	200	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	9.5	39.4	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	39.4	U	7.7	39.4	390	ug/Kg
118-74-1	Hexachlorobenzene	39.4	U	16.1	39.4	390	ug/Kg
1912-24-9	Atrazine	39.4	U	20.8	39.4	390	ug/Kg
87-86-5	Pentachlorophenol	39.4	U	27	39.4	390	ug/Kg
85-01-8	Phenanthrene	39.4	U	10.6	39.4	390	ug/Kg
120-12-7	Anthracene	39.4	U	8	39.4	390	ug/Kg
86-74-8	Carbazole	39.4	U	8.6	39.4	390	ug/Kg
84-74-2	Di-n-butylphthalate	39.4	U	31	39.4	390	ug/Kg
206-44-0	Fluoranthene	39.4	U	7.9	39.4	390	ug/Kg
129-00-0	Pyrene	39.4	U	9.5	39.4	390	ug/Kg
85-68-7	Butylbenzylphthalate	39.4	U	18.9	39.4	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.4	U	25.3	39.4	390	ug/Kg
56-55-3	Benzo(a)anthracene	39.4	U	18.8	39.4	390	ug/Kg
218-01-9	Chrysene	39.4	U	17.9	39.4	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	39.4	U	14	39.4	390	ug/Kg
117-84-0	Di-n-octyl phthalate	39.4	U	4.5	39.4	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	39.4	U	12.9	39.4	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	39.4	U	18.6	39.4	390	ug/Kg
50-32-8	Benzo(a)pyrene	39.4	U	8.5	39.4	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39.4	U	13.1	39.4	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	39.4	U	11.4	39.4	390	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072185.D	1	06/28/14	06/30/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	39.4	U	16	39.4	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	39.4	U	15.5	39.4	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	39.4	U	15.5	39.4	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.8		28 - 127		57%	SPK: 150
13127-88-3	Phenol-d6	99.7		34 - 127		66%	SPK: 150
4165-60-0	Nitrobenzene-d5	57		31 - 132		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.2		39 - 123		63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.5		30 - 133		58%	SPK: 150
1718-51-0	Terphenyl-d14	57.9		37 - 115		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49936	7.2				
1146-65-2	Naphthalene-d8	209846	8.78				
15067-26-2	Acenaphthene-d10	100784	10.95				
1517-22-2	Phenanthrene-d10	183860	12.78				
1719-03-5	Chrysene-d12	231266	16.05				
1520-96-3	Perylene-d12	216634	17.71				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown1.42	2400	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	850	J			1.69	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	450	A			4.94	ug/Kg
	unknown6.90	2800	J			6.9	ug/Kg
000506-51-4	1-Tetracosanol	240	J			15.96	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.5
Sample Wt/Vol:	11.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042159.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.26	U	0.26	0.26	2.6	ug/Kg
74-87-3	Chloromethane	0.26	U	0.26	0.26	2.6	ug/Kg
75-01-4	Vinyl Chloride	0.26	U	0.26	0.26	2.6	ug/Kg
74-83-9	Bromomethane	0.53	U	0.53	0.53	2.6	ug/Kg
75-00-3	Chloroethane	0.26	U	0.26	0.26	2.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.26	U	0.26	0.26	2.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.26	U	0.26	0.26	2.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.26	U	0.26	0.26	2.6	ug/Kg
67-64-1	Acetone	1.3	U	1.3	1.3	13.2	ug/Kg
75-15-0	Carbon Disulfide	0.26	U	0.26	0.26	2.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26	U	0.26	0.26	2.6	ug/Kg
79-20-9	Methyl Acetate	0.53	U	0.53	0.53	2.6	ug/Kg
75-09-2	Methylene Chloride	0.26	U	0.26	0.26	2.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.26	U	0.26	0.26	2.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.26	U	0.26	0.26	2.6	ug/Kg
110-82-7	Cyclohexane	0.26	U	0.26	0.26	2.6	ug/Kg
78-93-3	2-Butanone	4	U	1.6	4	13.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.26	U	0.26	0.26	2.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.26	U	0.26	0.26	2.6	ug/Kg
74-97-5	Bromochloromethane	0.26	U	0.26	0.26	2.6	ug/Kg
67-66-3	Chloroform	0.26	U	0.26	0.26	2.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.26	U	0.26	0.26	2.6	ug/Kg
108-87-2	Methylcyclohexane	0.26	U	0.26	0.26	2.6	ug/Kg
71-43-2	Benzene	0.26	U	0.2	0.26	2.6	ug/Kg
107-06-2	1,2-Dichloroethane	0.26	U	0.26	0.26	2.6	ug/Kg
79-01-6	Trichloroethene	0.26	U	0.26	0.26	2.6	ug/Kg
78-87-5	1,2-Dichloropropane	0.26	U	0.14	0.26	2.6	ug/Kg
75-27-4	Bromodichloromethane	0.26	U	0.26	0.26	2.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.3	U	1.3	1.3	13.2	ug/Kg
108-88-3	Toluene	0.26	U	0.26	0.26	2.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.26	U	0.26	0.26	2.6	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.5
Sample Wt/Vol:	11.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042159.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.26	U	0.26	0.26	2.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.53	U	0.47	0.53	2.6	ug/Kg
591-78-6	2-Hexanone	1.3	U	1.3	1.3	13.2	ug/Kg
124-48-1	Dibromochloromethane	0.26	U	0.26	0.26	2.6	ug/Kg
106-93-4	1,2-Dibromoethane	0.26	U	0.26	0.26	2.6	ug/Kg
127-18-4	Tetrachloroethene	0.97	J	0.26	0.26	2.6	ug/Kg
108-90-7	Chlorobenzene	0.26	U	0.26	0.26	2.6	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	0.26	0.26	2.6	ug/Kg
179601-23-1	m/p-Xylenes	0.53	U	0.38	0.53	5.3	ug/Kg
95-47-6	o-Xylene	0.26	U	0.26	0.26	2.6	ug/Kg
100-42-5	Styrene	0.26	U	0.24	0.26	2.6	ug/Kg
75-25-2	Bromoform	0.79	U	0.39	0.79	2.6	ug/Kg
98-82-8	Isopropylbenzene	0.26	U	0.25	0.26	2.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.24	0.26	2.6	ug/Kg
103-65-1	n-propylbenzene	0.26	U	0.19	0.26	2.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.26	U	0.24	0.26	2.6	ug/Kg
98-06-6	tert-Butylbenzene	0.26	U	0.26	0.26	2.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.26	U	0.26	0.26	2.6	ug/Kg
135-98-8	sec-Butylbenzene	0.26	U	0.26	0.26	2.6	ug/Kg
99-87-6	p-Isopropyltoluene	0.26	U	0.15	0.26	2.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.26	U	0.2	0.26	2.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.26	U	0.22	0.26	2.6	ug/Kg
104-51-8	n-Butylbenzene	0.26	U	0.24	0.26	2.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.26	U	0.26	0.26	2.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.6	U	0.46	2.6	2.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.26	U	0.26	0.26	2.6	ug/Kg
91-20-3	Naphthalene	0.26	U	0.24	0.26	2.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.53	U	0.26	0.53	2.6	ug/Kg
123-91-1	1,4-Dioxane	52.7	U	52.7	52.7	52.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		56 - 120		95%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		57 - 135		90%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-11(6-23)	SDG No.:	F2875
Lab Sample ID:	F2875-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.5
Sample Wt/Vol:	11.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042159.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	39.9		67 - 123		80%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.6		33 - 141		71%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	162871	4.88				
540-36-3	1,4-Difluorobenzene	267712	5.59				
3114-55-4	Chlorobenzene-d5	195141	9.75				
3855-82-1	1,4-Dichlorobenzene-d4	83642	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14 13:20
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.68		1	0	0	0	mg/Kg		06/26/14 14:12	9045C
Cyanide	0.149	U	1	0.039	0.149	0.297	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.24	U	1	0.096	0.24	0.479	mg/Kg	06/27/14	06/27/14 16:55	7196A
Ignitability	NO		1	0	0	0	o C	06/30/14	06/30/14 14:00	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	06/26/14	06/30/14 16:37	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	06/26/14	06/27/14 15:15	9034

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875		
Lab Sample ID:	F2875-11	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	19	Decanted:	
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC011940.D	1	06/28/14	06/30/14	PB77512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	15391		1030	1030	2050	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	13.8		37 - 130		69%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875		
Lab Sample ID:	F2875-11	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	19	Decanted:	
Sample Wt/Vol:	5.01	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004490.D	1		07/01/14	FB070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	27	U	15	27	55	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	14.2		50 - 150		71%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	19
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010269.D	1	06/27/14	07/01/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	20.6	U	16.4	20.6	82.6	ug/Kg
120-36-5	DICHLORPROP	20.6	U	15.2	20.6	82.6	ug/Kg
94-75-7	2,4-D	20.6	U	20.6	20.6	82.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	20.6	U	13.5	20.6	82.6	ug/Kg
93-76-5	2,4,5-T	20.6	U	12.6	20.6	82.6	ug/Kg
94-82-6	2,4-DB	20.6	U	20.6	20.6	82.6	ug/Kg
88-85-7	DINOSEB	20.6	U	20.6	20.6	82.6	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	70.1		12 - 189		14%	SPK: 500

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	81

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.27	UN	1	0.569	1.27	2.54	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	5.79		1	0.335	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	104		1	0.406	2.54	5.08	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.74		1	0.061	0.152	0.305	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.152	U	1	0.061	0.152	0.305	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	22.5		1	0.132	0.254	0.508	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	13.1		1	0.579	0.762	1.52	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	28.8	N	1	0.325	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	405		1	0.122	0.305	0.61	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	512		1	0.193	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.269		1	0.006	0.006	0.012	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	21		1	0.467	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.9	N	1	0.417	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	1.21		1	0.152	0.254	0.508	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	1.02	U	1	0.274	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	31.3		1	0.6	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	238		1	0.711	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14			
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875			
Lab Sample ID:	F2875-11	Matrix:	SOIL			
Analytical Method:	SW8082A	% Moisture:	19	Decanted:		
Sample Wt/Vol:	30.11	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003578.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.1	U	4.1	4.1	20.9	ug/kg
11104-28-2	Aroclor-1221	4.1	U	4.1	4.1	20.9	ug/kg
11141-16-5	Aroclor-1232	4.1	U	4.1	4.1	20.9	ug/kg
53469-21-9	Aroclor-1242	4.1	U	4.1	4.1	20.9	ug/kg
12672-29-6	Aroclor-1248	4.1	U	4.1	4.1	20.9	ug/kg
11097-69-1	Aroclor-1254	4.1	U	1.8	4.1	20.9	ug/kg
11096-82-5	Aroclor-1260	4.1	U	4.1	4.1	20.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.3		10 - 166		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		60 - 125		104%	SPK: 20

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	19
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023150.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.406	U	0.16	0.406	2.1	ug/kg
319-85-7	beta-BHC	0.406	U	0.222	0.406	2.1	ug/kg
319-86-8	delta-BHC	0.406	U	0.123	0.406	2.1	ug/kg
58-89-9	gamma-BHC (Lindane)	0.406	U	0.185	0.406	2.1	ug/kg
76-44-8	Heptachlor	0.406	U	0.172	0.406	2.1	ug/kg
309-00-2	Aldrin	0.406	U	0.123	0.406	2.1	ug/kg
1024-57-3	Heptachlor epoxide	0.406	U	0.197	0.406	2.1	ug/kg
959-98-8	Endosulfan I	0.406	U	0.185	0.406	2.1	ug/kg
60-57-1	Dieldrin	0.406	U	0.16	0.406	2.1	ug/kg
72-55-9	4,4-DDE	0.406	U	0.246	0.406	2.1	ug/kg
72-20-8	Endrin	0.406	U	0.222	0.406	2.1	ug/kg
33213-65-9	Endosulfan II	0.406	U	0.172	0.406	2.1	ug/kg
72-54-8	4,4-DDD	0.406	U	0.209	0.406	2.1	ug/kg
1031-07-8	Endosulfan Sulfate	0.406	U	0.185	0.406	2.1	ug/kg
50-29-3	4,4-DDT	0.406	U	0.172	0.406	2.1	ug/kg
72-43-5	Methoxychlor	0.406	U	0.209	0.406	2.1	ug/kg
53494-70-5	Endrin ketone	0.406	U	0.16	0.406	2.1	ug/kg
7421-93-4	Endrin aldehyde	0.406	U	0.185	0.406	2.1	ug/kg
5103-71-9	alpha-Chlordane	0.406	U	0.172	0.406	2.1	ug/kg
5103-74-2	gamma-Chlordane	0.406	U	0.16	0.406	2.1	ug/kg
8001-35-2	Toxaphene	4.1	U	4.1	4.1	20.9	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.8		10 - 169		89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		31 - 151		87%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14			
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875			
Lab Sample ID:	F2875-11	Matrix:	SOIL			
Analytical Method:	SW8081	% Moisture:	19	Decanted:		
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023150.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072196.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	41.1	U	21.5	41.1	410	ug/Kg
108-95-2	Phenol	41.1	U	9.5	41.1	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	41.1	U	19.7	41.1	410	ug/Kg
95-57-8	2-Chlorophenol	41.1	U	21.7	41.1	410	ug/Kg
95-48-7	2-Methylphenol	41.1	U	22.3	41.1	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.1	U	17	41.1	410	ug/Kg
98-86-2	Acetophenone	41.1	U	12.6	41.1	410	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	21.3	41.1	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.1	U	20.7	41.1	410	ug/Kg
67-72-1	Hexachloroethane	41.1	U	18.4	41.1	410	ug/Kg
98-95-3	Nitrobenzene	41.1	U	15.5	41.1	410	ug/Kg
78-59-1	Isophorone	41.1	U	13.6	41.1	410	ug/Kg
88-75-5	2-Nitrophenol	41.1	U	19.9	41.1	410	ug/Kg
105-67-9	2,4-Dimethylphenol	41.1	U	23.3	41.1	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	41.1	U	23.7	41.1	410	ug/Kg
120-83-2	2,4-Dichlorophenol	41.1	U	15.7	41.1	410	ug/Kg
91-20-3	Naphthalene	41.1	U	14.2	41.1	410	ug/Kg
106-47-8	4-Chloroaniline	41.1	U	29	41.1	410	ug/Kg
87-68-3	Hexachlorobutadiene	41.1	U	14.9	41.1	410	ug/Kg
105-60-2	Caprolactam	82.2	U	19.1	82.2	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41.1	U	18.2	41.1	410	ug/Kg
91-57-6	2-Methylnaphthalene	41.1	U	10.4	41.1	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	41.1	U	10	41.1	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	41.1	U	12.6	41.1	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	41.1	U	28.9	41.1	410	ug/Kg
92-52-4	1,1-Biphenyl	41.1	U	15.5	41.1	410	ug/Kg
91-58-7	2-Chloronaphthalene	41.1	U	9.4	41.1	410	ug/Kg
88-74-4	2-Nitroaniline	41.1	U	18.2	41.1	410	ug/Kg
131-11-3	Dimethylphthalate	650		11.1	41.1	410	ug/Kg
208-96-8	Acenaphthylene	41.1	U	10.4	41.1	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.1	U	16.8	41.1	410	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072196.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	82.2	U	26.4	82.2	410	ug/Kg
83-32-9	Acenaphthene	41.1	U	11.6	41.1	410	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	41.8	330	410	ug/Kg
100-02-7	4-Nitrophenol	210	U	76.3	210	410	ug/Kg
132-64-9	Dibenzofuran	41.1	U	16	41.1	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	41.1	U	12.3	41.1	410	ug/Kg
84-66-2	Diethylphthalate	41.1	U	6.4	41.1	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	41.1	U	22.3	41.1	410	ug/Kg
86-73-7	Fluorene	41.1	U	15.5	41.1	410	ug/Kg
100-01-6	4-Nitroaniline	82.2	U	53.5	82.2	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	23.5	210	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	41.1	U	9.9	41.1	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	41.1	U	8	41.1	410	ug/Kg
118-74-1	Hexachlorobenzene	41.1	U	16.8	41.1	410	ug/Kg
1912-24-9	Atrazine	41.1	U	21.7	41.1	410	ug/Kg
87-86-5	Pentachlorophenol	41.1	U	28.1	41.1	410	ug/Kg
85-01-8	Phenanthrene	740		11.1	41.1	410	ug/Kg
120-12-7	Anthracene	110	J	8.4	41.1	410	ug/Kg
86-74-8	Carbazole	41.1	U	9	41.1	410	ug/Kg
84-74-2	Di-n-butylphthalate	41.1	U	32.3	41.1	410	ug/Kg
206-44-0	Fluoranthene	970		8.3	41.1	410	ug/Kg
129-00-0	Pyrene	980		9.9	41.1	410	ug/Kg
85-68-7	Butylbenzylphthalate	41.1	U	19.7	41.1	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.1	U	26.4	41.1	410	ug/Kg
56-55-3	Benzo(a)anthracene	580		19.6	41.1	410	ug/Kg
218-01-9	Chrysene	560		18.6	41.1	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	41.1	U	14.5	41.1	410	ug/Kg
117-84-0	Di-n-octyl phthalate	41.1	U	4.7	41.1	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	530		13.4	41.1	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	J	19.4	41.1	410	ug/Kg
50-32-8	Benzo(a)pyrene	470		8.9	41.1	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300	J	13.7	41.1	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41.1	U	11.8	41.1	410	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072196.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	370	J	16.6	41.1	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41.1	U	16.2	41.1	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41.1	U	16.2	41.1	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.7		28 - 127		64%	SPK: 150
13127-88-3	Phenol-d6	100		34 - 127		68%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.7		31 - 132		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.9		39 - 123		59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.9		30 - 133		59%	SPK: 150
1718-51-0	Terphenyl-d14	49.6		37 - 115		50%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51221	7.2				
1146-65-2	Naphthalene-d8	209596	8.78				
15067-26-2	Acenaphthene-d10	109858	10.95				
1517-22-2	Phenanthrene-d10	199989	12.78				
1719-03-5	Chrysene-d12	226663	16.05				
1520-96-3	Perylene-d12	212610	17.69				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown1.42	9900	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	680	J			1.69	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	450	A			4.94	ug/Kg
	unknown6.90	2900	J			6.9	ug/Kg
	unknown13.53	250	J			13.53	ug/Kg
000084-65-1	9,10-Anthracenedione	230	J			13.8	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J			14.09	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	130	J			14.17	ug/Kg
000195-19-7	Benzo[c]phenanthrene	94.5	J			15.77	ug/Kg
025276-70-4	1-Pentadecanethiol	190	J			15.96	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J			17.58	ug/Kg
000215-58-7	Benzo[b]triphenylene	100	J			18.87	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072196.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19
Sample Wt/Vol:	12.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008782.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.24	U	0.24	0.24	2.4	ug/Kg
74-87-3	Chloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-01-4	Vinyl Chloride	0.24	U	0.24	0.24	2.4	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	0.49	2.4	ug/Kg
75-00-3	Chloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.24	U	0.24	0.24	2.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
67-64-1	Acetone	1.2	U	1.2	1.2	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.24	U	0.24	0.24	2.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.24	U	0.24	0.24	2.4	ug/Kg
79-20-9	Methyl Acetate	0.49	U	0.49	0.49	2.4	ug/Kg
75-09-2	Methylene Chloride	0.24	U	0.24	0.24	2.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
110-82-7	Cyclohexane	0.24	U	0.24	0.24	2.4	ug/Kg
78-93-3	2-Butanone	3.7	U	1.5	3.7	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.24	U	0.24	0.24	2.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
74-97-5	Bromochloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
67-66-3	Chloroform	0.24	U	0.24	0.24	2.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
108-87-2	Methylcyclohexane	0.24	U	0.24	0.24	2.4	ug/Kg
71-43-2	Benzene	0.24	U	0.19	0.24	2.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
79-01-6	Trichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.24	U	0.13	0.24	2.4	ug/Kg
75-27-4	Bromodichloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.2	U	1.2	1.2	12.2	ug/Kg
108-88-3	Toluene	0.24	U	0.24	0.24	2.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.24	U	0.24	0.24	2.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19
Sample Wt/Vol:	12.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008782.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	0.24	2.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.49	U	0.44	0.49	2.4	ug/Kg
591-78-6	2-Hexanone	1.2	U	1.2	1.2	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.24	U	0.24	0.24	2.4	ug/Kg
127-18-4	Tetrachloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
108-90-7	Chlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
100-41-4	Ethyl Benzene	0.24	U	0.24	0.24	2.4	ug/Kg
179601-23-1	m/p-Xylenes	0.49	U	0.35	0.49	4.9	ug/Kg
95-47-6	o-Xylene	0.24	U	0.24	0.24	2.4	ug/Kg
100-42-5	Styrene	0.24	U	0.22	0.24	2.4	ug/Kg
75-25-2	Bromoform	0.73	U	0.36	0.73	2.4	ug/Kg
98-82-8	Isopropylbenzene	0.24	U	0.23	0.24	2.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.24	U	0.22	0.24	2.4	ug/Kg
103-65-1	n-propylbenzene	0.24	U	0.18	0.24	2.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.24	U	0.22	0.24	2.4	ug/Kg
98-06-6	tert-Butylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
135-98-8	sec-Butylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.24	U	0.14	0.24	2.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	0.18	0.24	2.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.24	U	0.2	0.24	2.4	ug/Kg
104-51-8	n-Butylbenzene	0.24	U	0.22	0.24	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.4	U	0.43	2.4	2.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
91-20-3	Naphthalene	0.24	U	0.22	0.24	2.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.49	U	0.24	0.49	2.4	ug/Kg
123-91-1	1,4-Dioxane	48.9	U	48.9	48.9	48.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.6		56 - 120		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		57 - 135		96%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-10(6-19)	SDG No.:	F2875
Lab Sample ID:	F2875-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19
Sample Wt/Vol:	12.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008782.D	1		06/26/14	VT062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	40.1		67 - 123		80%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.7		33 - 141		57%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	597075	7.42				
540-36-3	1,4-Difluorobenzene	821777	8.37				
3114-55-4	Chlorobenzene-d5	576118	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	223022	13.15				

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N = Presumptive Evidence of a Compound

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D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14 11:25
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.75		1	0	0	0	mg/Kg		06/26/14 14:13	9045C
Cyanide	1.82		1	0.037	0.142	0.283	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.229	U	1	0.092	0.229	0.458	mg/Kg	06/27/14	06/27/14 16:56	7196A
Ignitability	NO		1	0	0	0	o C	06/30/14	06/30/14 14:00	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	06/26/14	06/30/14 16:10	9012B
Reactive Sulfide	11		1	10	10	10	mg/Kg	06/26/14	06/27/14 15:15	9034

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875		
Lab Sample ID:	F2875-12	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC011941.D	1	06/28/14	06/30/14	PB77512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	31052		960	960	1920	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	19.8		37 - 130		99%	SPK: 20

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875		
Lab Sample ID:	F2875-12	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	5.04	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004491.D	1		07/01/14	FB070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	25	U	14	25	51	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	12		50 - 150		60%	SPK: 20

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14			
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875			
Lab Sample ID:	F2875-12	Matrix:	SOIL			
Analytical Method:	SW8151A	% Moisture:	13.3	Decanted:		
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010270.D	1	06/27/14	07/01/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.2	U	15.3	19.2	77.1	ug/Kg
120-36-5	DICHLORPROP	19.2	U	14.2	19.2	77.1	ug/Kg
94-75-7	2,4-D	19.2	U	19.2	19.2	77.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.2	U	12.6	19.2	77.1	ug/Kg
93-76-5	2,4,5-T	19.2	U	11.8	19.2	77.1	ug/Kg
94-82-6	2,4-DB	19.2	U	19.2	19.2	77.1	ug/Kg
88-85-7	DINOSEB	19.2	U	19.2	19.2	77.1	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	239		12 - 189		48%	SPK: 500

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.68	JN	1	0.523	1.17	2.33	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	7.81		1	0.308	0.467	0.934	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	286		1	0.374	2.33	4.67	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.754		1	0.056	0.14	0.28	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	0.679		1	0.056	0.14	0.28	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	28.3		1	0.121	0.233	0.467	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	17		1	0.532	0.7	1.4	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	82.6	N	1	0.299	0.467	0.934	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	461		1	0.112	0.28	0.56	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	398		1	0.177	0.467	0.934	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.006	J	1	0.005	0.005	0.01	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	31.2		1	0.43	0.934	1.87	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	1.96	N	1	0.383	0.467	0.934	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	2.27		1	0.14	0.233	0.467	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	0.934	U	1	0.252	0.934	1.87	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	36.5		1	0.551	0.934	1.87	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	447		1	0.654	0.934	1.87	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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 MDL = Method Detection Limit
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 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

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 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875		
Lab Sample ID:	F2875-12	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003579.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.8	U	3.8	3.8	19.6	ug/kg
11104-28-2	Aroclor-1221	3.8	U	3.8	3.8	19.6	ug/kg
11141-16-5	Aroclor-1232	3.8	U	3.8	3.8	19.6	ug/kg
53469-21-9	Aroclor-1242	3.8	U	3.8	3.8	19.6	ug/kg
12672-29-6	Aroclor-1248	3.8	U	3.8	3.8	19.6	ug/kg
11097-69-1	Aroclor-1254	3.8	U	1.7	3.8	19.6	ug/kg
11096-82-5	Aroclor-1260	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19		10 - 166		95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 125		102%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14			
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875			
Lab Sample ID:	F2875-12	Matrix:	SOIL			
Analytical Method:	SW8081	% Moisture:	13.3	Decanted:		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023151.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.38	U	0.15	0.38	2	ug/kg
319-85-7	beta-BHC	0.38	U	0.207	0.38	2	ug/kg
319-86-8	delta-BHC	0.38	U	0.115	0.38	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.38	U	0.173	0.38	2	ug/kg
76-44-8	Heptachlor	0.38	U	0.161	0.38	2	ug/kg
309-00-2	Aldrin	0.38	U	0.115	0.38	2	ug/kg
1024-57-3	Heptachlor epoxide	0.38	U	0.184	0.38	2	ug/kg
959-98-8	Endosulfan I	0.38	U	0.173	0.38	2	ug/kg
60-57-1	Dieldrin	0.38	U	0.15	0.38	2	ug/kg
72-55-9	4,4-DDE	0.38	U	0.23	0.38	2	ug/kg
72-20-8	Endrin	0.38	U	0.207	0.38	2	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.161	0.38	2	ug/kg
72-54-8	4,4-DDD	0.38	U	0.196	0.38	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.38	U	0.173	0.38	2	ug/kg
50-29-3	4,4-DDT	0.38	U	0.161	0.38	2	ug/kg
72-43-5	Methoxychlor	0.38	U	0.196	0.38	2	ug/kg
53494-70-5	Endrin ketone	0.38	U	0.15	0.38	2	ug/kg
7421-93-4	Endrin aldehyde	0.38	U	0.173	0.38	2	ug/kg
5103-71-9	alpha-Chlordane	0.38	U	0.161	0.38	2	ug/kg
5103-74-2	gamma-Chlordane	0.38	U	0.15	0.38	2	ug/kg
8001-35-2	Toxaphene	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.2		10 - 169		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		31 - 151		87%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875		
Lab Sample ID:	F2875-12	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023151.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072197.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	38.3	U	20	38.3	380	ug/Kg
108-95-2	Phenol	38.3	U	8.9	38.3	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.3	U	18.4	38.3	380	ug/Kg
95-57-8	2-Chlorophenol	38.3	U	20.2	38.3	380	ug/Kg
95-48-7	2-Methylphenol	38.3	U	20.8	38.3	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.3	U	15.9	38.3	380	ug/Kg
98-86-2	Acetophenone	38.3	U	11.7	38.3	380	ug/Kg
65794-96-9	3+4-Methylphenols	38.3	U	19.9	38.3	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.3	U	19.3	38.3	380	ug/Kg
67-72-1	Hexachloroethane	38.3	U	17.1	38.3	380	ug/Kg
98-95-3	Nitrobenzene	38.3	U	14.5	38.3	380	ug/Kg
78-59-1	Isophorone	38.3	U	12.7	38.3	380	ug/Kg
88-75-5	2-Nitrophenol	38.3	U	18.5	38.3	380	ug/Kg
105-67-9	2,4-Dimethylphenol	38.3	U	21.7	38.3	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.3	U	22.1	38.3	380	ug/Kg
120-83-2	2,4-Dichlorophenol	38.3	U	14.6	38.3	380	ug/Kg
91-20-3	Naphthalene	38.3	U	13.2	38.3	380	ug/Kg
106-47-8	4-Chloroaniline	38.3	U	27	38.3	380	ug/Kg
87-68-3	Hexachlorobutadiene	38.3	U	13.9	38.3	380	ug/Kg
105-60-2	Caprolactam	76.7	U	17.8	76.7	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	38.3	U	17	38.3	380	ug/Kg
91-57-6	2-Methylnaphthalene	38.3	U	9.7	38.3	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	38.3	U	9.3	38.3	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	38.3	U	11.7	38.3	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.3	U	26.9	38.3	380	ug/Kg
92-52-4	1,1-Biphenyl	38.3	U	14.5	38.3	380	ug/Kg
91-58-7	2-Chloronaphthalene	38.3	U	8.7	38.3	380	ug/Kg
88-74-4	2-Nitroaniline	38.3	U	17	38.3	380	ug/Kg
131-11-3	Dimethylphthalate	660		10.4	38.3	380	ug/Kg
208-96-8	Acenaphthylene	38.3	U	9.7	38.3	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.3	U	15.6	38.3	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072197.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	76.7	U	24.6	76.7	380	ug/Kg
83-32-9	Acenaphthene	38.3	U	10.8	38.3	380	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	39	310	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	71.2	190	380	ug/Kg
132-64-9	Dibenzofuran	38.3	U	15	38.3	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	38.3	U	11.5	38.3	380	ug/Kg
84-66-2	Diethylphthalate	38.3	U	6	38.3	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	38.3	U	20.8	38.3	380	ug/Kg
86-73-7	Fluorene	38.3	U	14.5	38.3	380	ug/Kg
100-01-6	4-Nitroaniline	76.7	U	49.9	76.7	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	22	190	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.3	U	9.2	38.3	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38.3	U	7.5	38.3	380	ug/Kg
118-74-1	Hexachlorobenzene	38.3	U	15.6	38.3	380	ug/Kg
1912-24-9	Atrazine	38.3	U	20.2	38.3	380	ug/Kg
87-86-5	Pentachlorophenol	38.3	U	26.2	38.3	380	ug/Kg
85-01-8	Phenanthrene	240	J	10.4	38.3	380	ug/Kg
120-12-7	Anthracene	38.3	U	7.8	38.3	380	ug/Kg
86-74-8	Carbazole	38.3	U	8.4	38.3	380	ug/Kg
84-74-2	Di-n-butylphthalate	38.3	U	30.1	38.3	380	ug/Kg
206-44-0	Fluoranthene	610		7.7	38.3	380	ug/Kg
129-00-0	Pyrene	520		9.2	38.3	380	ug/Kg
85-68-7	Butylbenzylphthalate	38.3	U	18.4	38.3	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.3	U	24.6	38.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	360	J	18.3	38.3	380	ug/Kg
218-01-9	Chrysene	310	J	17.4	38.3	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	J	13.6	38.3	380	ug/Kg
117-84-0	Di-n-octyl phthalate	38.3	U	4.4	38.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	370	J	12.5	38.3	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	18.1	38.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	320	J	8.3	38.3	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	J	12.8	38.3	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38.3	U	11	38.3	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072197.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	230	J	15.5	38.3	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38.3	U	15.1	38.3	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38.3	U	15.1	38.3	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		74%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		75%	SPK: 150
4165-60-0	Nitrobenzene-d5	62		31 - 132		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.8		39 - 123		67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		71%	SPK: 150
1718-51-0	Terphenyl-d14	68.4		37 - 115		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48831	7.2				
1146-65-2	Naphthalene-d8	212406	8.78				
15067-26-2	Acenaphthene-d10	114857	10.95				
1517-22-2	Phenanthrene-d10	208148	12.78				
1719-03-5	Chrysene-d12	238730	16.05				
1520-96-3	Perylene-d12	225095	17.69				
TENTATIVE IDENTIFIED COMPOUNDS							
000096-37-7	Cyclopentane, methyl-	370	J			1.21	ug/Kg
	unknown1.42	10100	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	620	J			1.69	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	490	A			4.94	ug/Kg
	unknown6.90	3000	J			6.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	310	J			13.53	ug/Kg
093327-56-1	6-Phenylbenzocyclohepten-7-one	80.1	J			13.79	ug/Kg
006971-40-0	17-Pentatriacontene	240	J			15.96	ug/Kg
	unknown16.93	150	J			16.93	ug/Kg
006448-90-4	9,10-Anthracenedione, 1,5-dimethox	140	J			17.49	ug/Kg
	unknown17.85	120	J			17.85	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072197.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	12.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042161.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.23	U	0.23	0.23	2.3	ug/Kg
74-87-3	Chloromethane	0.23	U	0.23	0.23	2.3	ug/Kg
75-01-4	Vinyl Chloride	0.23	U	0.23	0.23	2.3	ug/Kg
74-83-9	Bromomethane	0.46	U	0.46	0.46	2.3	ug/Kg
75-00-3	Chloroethane	0.23	U	0.23	0.23	2.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.23	U	0.23	0.23	2.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.23	U	0.23	0.23	2.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.23	U	0.23	0.23	2.3	ug/Kg
67-64-1	Acetone	1.1	U	1.1	1.1	11.4	ug/Kg
75-15-0	Carbon Disulfide	0.23	U	0.23	0.23	2.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.23	U	0.23	0.23	2.3	ug/Kg
79-20-9	Methyl Acetate	0.46	U	0.46	0.46	2.3	ug/Kg
75-09-2	Methylene Chloride	0.23	U	0.23	0.23	2.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	0.23	2.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.23	U	0.23	0.23	2.3	ug/Kg
110-82-7	Cyclohexane	0.23	U	0.23	0.23	2.3	ug/Kg
78-93-3	2-Butanone	3.4	U	1.4	3.4	11.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.23	U	0.23	0.23	2.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.23	U	0.23	0.23	2.3	ug/Kg
74-97-5	Bromochloromethane	0.23	U	0.23	0.23	2.3	ug/Kg
67-66-3	Chloroform	0.23	U	0.23	0.23	2.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.23	U	0.23	0.23	2.3	ug/Kg
108-87-2	Methylcyclohexane	0.23	U	0.23	0.23	2.3	ug/Kg
71-43-2	Benzene	0.23	U	0.17	0.23	2.3	ug/Kg
107-06-2	1,2-Dichloroethane	0.23	U	0.23	0.23	2.3	ug/Kg
79-01-6	Trichloroethene	0.23	U	0.23	0.23	2.3	ug/Kg
78-87-5	1,2-Dichloropropane	0.23	U	0.12	0.23	2.3	ug/Kg
75-27-4	Bromodichloromethane	0.23	U	0.23	0.23	2.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.1	U	1.1	1.1	11.4	ug/Kg
108-88-3	Toluene	0.23	U	0.23	0.23	2.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.23	U	0.23	0.23	2.3	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	12.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042161.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.23	U	0.23	0.23	2.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.46	U	0.41	0.46	2.3	ug/Kg
591-78-6	2-Hexanone	1.1	U	1.1	1.1	11.4	ug/Kg
124-48-1	Dibromochloromethane	0.23	U	0.23	0.23	2.3	ug/Kg
106-93-4	1,2-Dibromoethane	0.23	U	0.23	0.23	2.3	ug/Kg
127-18-4	Tetrachloroethene	4.4		0.23	0.23	2.3	ug/Kg
108-90-7	Chlorobenzene	0.23	U	0.23	0.23	2.3	ug/Kg
100-41-4	Ethyl Benzene	0.23	U	0.23	0.23	2.3	ug/Kg
179601-23-1	m/p-Xylenes	0.46	U	0.33	0.46	4.6	ug/Kg
95-47-6	o-Xylene	0.23	U	0.23	0.23	2.3	ug/Kg
100-42-5	Styrene	0.23	U	0.21	0.23	2.3	ug/Kg
75-25-2	Bromoform	0.68	U	0.34	0.68	2.3	ug/Kg
98-82-8	Isopropylbenzene	0.23	U	0.22	0.23	2.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.23	U	0.21	0.23	2.3	ug/Kg
103-65-1	n-propylbenzene	0.23	U	0.16	0.23	2.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.23	U	0.21	0.23	2.3	ug/Kg
98-06-6	tert-Butylbenzene	0.23	U	0.23	0.23	2.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.23	U	0.23	0.23	2.3	ug/Kg
135-98-8	sec-Butylbenzene	0.23	U	0.23	0.23	2.3	ug/Kg
99-87-6	p-Isopropyltoluene	0.23	U	0.13	0.23	2.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	0.17	0.23	2.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.23	U	0.19	0.23	2.3	ug/Kg
104-51-8	n-Butylbenzene	0.23	U	0.21	0.23	2.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.23	U	0.23	0.23	2.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.3	U	0.4	2.3	2.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.23	U	0.23	0.23	2.3	ug/Kg
91-20-3	Naphthalene	0.23	U	0.21	0.23	2.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.46	U	0.23	0.46	2.3	ug/Kg
123-91-1	1,4-Dioxane	45.7	U	45.7	45.7	45.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.9		56 - 120		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45		57 - 135		90%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	12.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042161.D	1		06/26/14	VF062614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	40.1		67 - 123		80%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.4		33 - 141		65%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130499	4.86				
540-36-3	1,4-Difluorobenzene	215708	5.59				
3114-55-4	Chlorobenzene-d5	160249	9.75				
3855-82-1	1,4-Dichlorobenzene-d4	54423	12.53				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)RE	SDG No.:	F2875
Lab Sample ID:	F2875-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	11.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008800.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.24	U	0.24	0.24	2.4	ug/Kg
74-87-3	Chloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-01-4	Vinyl Chloride	0.24	U	0.24	0.24	2.4	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	0.49	2.4	ug/Kg
75-00-3	Chloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.24	U	0.24	0.24	2.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
67-64-1	Acetone	1.2	U	1.2	1.2	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.24	U	0.24	0.24	2.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.24	U	0.24	0.24	2.4	ug/Kg
79-20-9	Methyl Acetate	0.49	U	0.49	0.49	2.4	ug/Kg
75-09-2	Methylene Chloride	0.24	U	0.24	0.24	2.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
110-82-7	Cyclohexane	0.24	U	0.24	0.24	2.4	ug/Kg
78-93-3	2-Butanone	3.7	U	1.5	3.7	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.24	U	0.24	0.24	2.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
74-97-5	Bromochloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
67-66-3	Chloroform	0.24	U	0.24	0.24	2.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
108-87-2	Methylcyclohexane	0.24	U	0.24	0.24	2.4	ug/Kg
71-43-2	Benzene	0.24	U	0.19	0.24	2.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
79-01-6	Trichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.24	U	0.13	0.24	2.4	ug/Kg
75-27-4	Bromodichloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.2	U	1.2	1.2	12.2	ug/Kg
108-88-3	Toluene	0.24	U	0.24	0.24	2.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.24	U	0.24	0.24	2.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)RE	SDG No.:	F2875
Lab Sample ID:	F2875-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	11.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008800.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	0.24	2.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.49	U	0.44	0.49	2.4	ug/Kg
591-78-6	2-Hexanone	1.2	U	1.2	1.2	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.24	U	0.24	0.24	2.4	ug/Kg
127-18-4	Tetrachloroethene	10.9		0.24	0.24	2.4	ug/Kg
108-90-7	Chlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
100-41-4	Ethyl Benzene	0.24	U	0.24	0.24	2.4	ug/Kg
179601-23-1	m/p-Xylenes	0.49	U	0.35	0.49	4.9	ug/Kg
95-47-6	o-Xylene	0.24	U	0.24	0.24	2.4	ug/Kg
100-42-5	Styrene	0.24	U	0.22	0.24	2.4	ug/Kg
75-25-2	Bromoform	0.73	U	0.36	0.73	2.4	ug/Kg
98-82-8	Isopropylbenzene	0.24	U	0.23	0.24	2.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.24	U	0.22	0.24	2.4	ug/Kg
103-65-1	n-propylbenzene	0.24	U	0.18	0.24	2.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.24	U	0.22	0.24	2.4	ug/Kg
98-06-6	tert-Butylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
135-98-8	sec-Butylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.24	U	0.14	0.24	2.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	0.18	0.24	2.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.24	U	0.2	0.24	2.4	ug/Kg
104-51-8	n-Butylbenzene	0.24	U	0.22	0.24	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.4	U	0.42	2.4	2.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
91-20-3	Naphthalene	0.24	U	0.22	0.24	2.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.49	U	0.24	0.49	2.4	ug/Kg
123-91-1	1,4-Dioxane	48.8	U	48.8	48.8	48.8	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.4		56 - 120		119%	SPK: 50
1868-53-7	Dibromofluoromethane	64.9		57 - 135		130%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-3(6-18)RE	SDG No.:	F2875
Lab Sample ID:	F2875-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	11.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008800.D	1		06/27/14	VT062714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.2		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	26		33 - 141		52%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	515490	7.43				
540-36-3	1,4-Difluorobenzene	680448	8.37				
3114-55-4	Chlorobenzene-d5	398215	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	113569	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14 14:35
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
		% Solid:	81.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.639		1	0.039	0.15	0.299	mg/Kg	06/26/14	06/30/14 13:59	9012B
Hexavalent Chromium	0.245	U	1	0.098	0.245	0.49	mg/Kg	06/27/14	06/27/14 16:56	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	18.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010271.D	1	06/27/14	07/01/14	PB77475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	20.5	U	16.3	20.5	82.3	ug/Kg
120-36-5	DICHLORPROP	20.5	U	15.2	20.5	82.3	ug/Kg
94-75-7	2,4-D	20.5	U	20.5	20.5	82.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	20.5	U	13.4	20.5	82.3	ug/Kg
93-76-5	2,4,5-T	20.5	U	12.6	20.5	82.3	ug/Kg
94-82-6	2,4-DB	20.5	U	20.5	20.5	82.3	ug/Kg
88-85-7	DINOSEB	20.5	U	20.5	20.5	82.3	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	161		12 - 189		32%	SPK: 500

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.883	JN	1	0.569	1.27	2.54	mg/Kg	06/27/14	06/27/14	SW6010
7440-38-2	Arsenic	22.6		1	0.335	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7440-39-3	Barium	1410		1	0.407	2.54	5.08	mg/Kg	06/27/14	06/27/14	SW6010
7440-41-7	Beryllium	0.906		1	0.061	0.152	0.305	mg/Kg	06/27/14	06/27/14	SW6010
7440-43-9	Cadmium	5.77		1	0.061	0.152	0.305	mg/Kg	06/27/14	06/27/14	SW6010
7440-47-3	Chromium	60.1		1	0.132	0.254	0.508	mg/Kg	06/27/14	06/27/14	SW6010
7440-48-4	Cobalt	13.3		1	0.579	0.762	1.52	mg/Kg	06/27/14	06/27/14	SW6010
7440-50-8	Copper	82.5	N	1	0.325	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7439-92-1	Lead	1060		1	0.122	0.305	0.61	mg/Kg	06/27/14	06/27/14	SW6010
7439-96-5	Manganese	644		1	0.193	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7439-97-6	Mercury	0.382		1	0.005	0.005	0.011	mg/Kg	06/27/14	06/30/14	SW7471A
7440-02-0	Nickel	34.5		1	0.468	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010
7782-49-2	Selenium	2.74	N	1	0.417	0.508	1.02	mg/Kg	06/27/14	06/27/14	SW6010
7440-22-4	Silver	2.6		1	0.152	0.254	0.508	mg/Kg	06/27/14	06/27/14	SW6010
7440-28-0	Thallium	1.02	U	1	0.274	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010
7440-62-2	Vanadium	36		1	0.6	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010
7440-66-6	Zinc	1710		1	0.712	1.02	2.03	mg/Kg	06/27/14	06/27/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003580.D	1	06/28/14	06/30/14	PB77506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.1	U	4.1	4.1	20.9	ug/kg
11104-28-2	Aroclor-1221	4.1	U	4.1	4.1	20.9	ug/kg
11141-16-5	Aroclor-1232	4.1	U	4.1	4.1	20.9	ug/kg
53469-21-9	Aroclor-1242	4.1	U	4.1	4.1	20.9	ug/kg
12672-29-6	Aroclor-1248	4.1	U	4.1	4.1	20.9	ug/kg
11097-69-1	Aroclor-1254	4.1	U	1.8	4.1	20.9	ug/kg
11096-82-5	Aroclor-1260	4.1	U	4.1	4.1	20.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.4		10 - 166		92%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		60 - 125		82%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	18.7
Sample Wt/Vol:	30.11	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023152.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.404	U	0.159	0.404	2.1	ug/kg
319-85-7	beta-BHC	0.404	U	0.221	0.404	2.1	ug/kg
319-86-8	delta-BHC	0.404	U	0.123	0.404	2.1	ug/kg
58-89-9	gamma-BHC (Lindane)	0.404	U	0.184	0.404	2.1	ug/kg
76-44-8	Heptachlor	0.404	U	0.172	0.404	2.1	ug/kg
309-00-2	Aldrin	0.404	U	0.123	0.404	2.1	ug/kg
1024-57-3	Heptachlor epoxide	0.404	U	0.196	0.404	2.1	ug/kg
959-98-8	Endosulfan I	0.404	U	0.184	0.404	2.1	ug/kg
60-57-1	Dieldrin	0.404	U	0.159	0.404	2.1	ug/kg
72-55-9	4,4-DDE	4.7		0.245	0.404	2.1	ug/kg
72-20-8	Endrin	0.404	U	0.221	0.404	2.1	ug/kg
33213-65-9	Endosulfan II	0.404	U	0.172	0.404	2.1	ug/kg
72-54-8	4,4-DDD	0.404	U	0.208	0.404	2.1	ug/kg
1031-07-8	Endosulfan Sulfate	0.404	U	0.184	0.404	2.1	ug/kg
50-29-3	4,4-DDT	2.2		0.172	0.404	2.1	ug/kg
72-43-5	Methoxychlor	0.404	U	0.208	0.404	2.1	ug/kg
53494-70-5	Endrin ketone	0.404	U	0.159	0.404	2.1	ug/kg
7421-93-4	Endrin aldehyde	0.404	U	0.184	0.404	2.1	ug/kg
5103-71-9	alpha-Chlordane	0.404	U	0.172	0.404	2.1	ug/kg
5103-74-2	gamma-Chlordane	0.404	U	0.159	0.404	2.1	ug/kg
8001-35-2	Toxaphene	4.1	U	4.1	4.1	20.8	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.8		10 - 169		84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		31 - 151		87%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14		
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875		
Lab Sample ID:	F2875-13	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	18.7	Decanted:	
Sample Wt/Vol:	30.11	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023152.D	1	06/28/14	06/30/14	PB77509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072198.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	41	U	21.4	41	410	ug/Kg
108-95-2	Phenol	41	U	9.5	41	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	41	U	19.7	41	410	ug/Kg
95-57-8	2-Chlorophenol	41	U	21.6	41	410	ug/Kg
95-48-7	2-Methylphenol	41	U	22.2	41	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41	U	17	41	410	ug/Kg
98-86-2	Acetophenone	41	U	12.5	41	410	ug/Kg
65794-96-9	3+4-Methylphenols	41	U	21.3	41	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41	U	20.6	41	410	ug/Kg
67-72-1	Hexachloroethane	41	U	18.3	41	410	ug/Kg
98-95-3	Nitrobenzene	41	U	15.5	41	410	ug/Kg
78-59-1	Isophorone	41	U	13.5	41	410	ug/Kg
88-75-5	2-Nitrophenol	41	U	19.8	41	410	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	23.2	41	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	41	U	23.6	41	410	ug/Kg
120-83-2	2,4-Dichlorophenol	41	U	15.6	41	410	ug/Kg
91-20-3	Naphthalene	41	U	14.1	41	410	ug/Kg
106-47-8	4-Chloroaniline	41	U	28.9	41	410	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	14.9	41	410	ug/Kg
105-60-2	Caprolactam	81.9	U	19	81.9	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	18.2	41	410	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	10.3	41	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	41	U	10	41	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	41	U	12.5	41	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	41	U	28.8	41	410	ug/Kg
92-52-4	1,1-Biphenyl	41	U	15.5	41	410	ug/Kg
91-58-7	2-Chloronaphthalene	41	U	9.3	41	410	ug/Kg
88-74-4	2-Nitroaniline	41	U	18.2	41	410	ug/Kg
131-11-3	Dimethylphthalate	590		11.1	41	410	ug/Kg
208-96-8	Acenaphthylene	41	U	10.3	41	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	41	U	16.7	41	410	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072198.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	81.9	U	26.3	81.9	410	ug/Kg
83-32-9	Acenaphthene	41	U	11.6	41	410	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	41.7	330	410	ug/Kg
100-02-7	4-Nitrophenol	200	U	76.1	200	410	ug/Kg
132-64-9	Dibenzofuran	41	U	16	41	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	41	U	12.3	41	410	ug/Kg
84-66-2	Diethylphthalate	41	U	6.4	41	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	41	U	22.2	41	410	ug/Kg
86-73-7	Fluorene	41	U	15.5	41	410	ug/Kg
100-01-6	4-Nitroaniline	81.9	U	53.3	81.9	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	23.5	200	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	41	U	9.8	41	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	41	U	8	41	410	ug/Kg
118-74-1	Hexachlorobenzene	41	U	16.7	41	410	ug/Kg
1912-24-9	Atrazine	41	U	21.6	41	410	ug/Kg
87-86-5	Pentachlorophenol	41	U	28	41	410	ug/Kg
85-01-8	Phenanthrene	800		11.1	41	410	ug/Kg
120-12-7	Anthracene	160	J	8.4	41	410	ug/Kg
86-74-8	Carbazole	41	U	9	41	410	ug/Kg
84-74-2	Di-n-butylphthalate	41	U	32.2	41	410	ug/Kg
206-44-0	Fluoranthene	920		8.2	41	410	ug/Kg
129-00-0	Pyrene	880		9.8	41	410	ug/Kg
85-68-7	Butylbenzylphthalate	41	U	19.7	41	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41	U	26.3	41	410	ug/Kg
56-55-3	Benzo(a)anthracene	510		19.5	41	410	ug/Kg
218-01-9	Chrysene	470		18.6	41	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	350	J	14.5	41	410	ug/Kg
117-84-0	Di-n-octyl phthalate	41	U	4.7	41	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	480		13.4	41	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	J	19.3	41	410	ug/Kg
50-32-8	Benzo(a)pyrene	400	J	8.8	41	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	J	13.6	41	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41	U	11.8	41	410	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072198.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	280	J	16.6	41	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	16.1	41	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	16.1	41	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97		28 - 127		65%	SPK: 150
13127-88-3	Phenol-d6	99.2		34 - 127		66%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.4		31 - 132		55%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.9		39 - 123		57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90		30 - 133		60%	SPK: 150
1718-51-0	Terphenyl-d14	52.9		37 - 115		53%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52277	7.2				
1146-65-2	Naphthalene-d8	226273	8.78				
15067-26-2	Acenaphthene-d10	115881	10.95				
1517-22-2	Phenanthrene-d10	204325	12.78				
1719-03-5	Chrysene-d12	225578	16.05				
1520-96-3	Perylene-d12	217894	17.71				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	13100	J			1.42	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	680	J			1.69	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	430	A			4.94	ug/Kg
	unknown6.90	2800	J			6.9	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	270	J			12.16	ug/Kg
094573-50-9	Anthracene, 1,2,3,4-tetrahydro-9,1	110	J			12.94	ug/Kg
	unknown13.66	120	J			13.66	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	270	J			13.79	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	170	J			14.09	ug/Kg
	unknown16.94	220	J			16.94	ug/Kg
	unknown17.50	110	J			17.5	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072198.D	1	06/28/14	07/01/14	PB77511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	9.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD042574.D	1		07/02/14	VD070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.33	U	0.33	0.33	3.3	ug/Kg
74-87-3	Chloromethane	0.33	U	0.33	0.33	3.3	ug/Kg
75-01-4	Vinyl Chloride	0.33	U	0.33	0.33	3.3	ug/Kg
74-83-9	Bromomethane	0.65	U	0.65	0.65	3.3	ug/Kg
75-00-3	Chloroethane	0.33	U	0.33	0.33	3.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.33	U	0.33	0.33	3.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.33	U	0.33	0.33	3.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.33	U	0.33	0.33	3.3	ug/Kg
67-64-1	Acetone	1.6	U	1.6	1.6	16.3	ug/Kg
75-15-0	Carbon Disulfide	0.33	U	0.33	0.33	3.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.33	U	0.33	0.33	3.3	ug/Kg
79-20-9	Methyl Acetate	0.65	U	0.65	0.65	3.3	ug/Kg
75-09-2	Methylene Chloride	1.4	J	0.33	0.33	3.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.33	U	0.33	0.33	3.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.33	U	0.33	0.33	3.3	ug/Kg
110-82-7	Cyclohexane	0.33	U	0.33	0.33	3.3	ug/Kg
78-93-3	2-Butanone	4.9	U	2	4.9	16.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	0.33	0.33	3.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	0.33	3.3	ug/Kg
74-97-5	Bromochloromethane	0.33	U	0.33	0.33	3.3	ug/Kg
67-66-3	Chloroform	1.6	J	0.33	0.33	3.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.33	U	0.33	0.33	3.3	ug/Kg
108-87-2	Methylcyclohexane	0.33	U	0.33	0.33	3.3	ug/Kg
71-43-2	Benzene	0.33	U	0.25	0.33	3.3	ug/Kg
107-06-2	1,2-Dichloroethane	0.33	U	0.33	0.33	3.3	ug/Kg
79-01-6	Trichloroethene	1.9	J	0.33	0.33	3.3	ug/Kg
78-87-5	1,2-Dichloropropane	0.33	U	0.17	0.33	3.3	ug/Kg
75-27-4	Bromodichloromethane	0.33	U	0.33	0.33	3.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.6	U	1.6	1.6	16.3	ug/Kg
108-88-3	Toluene	0.33	U	0.33	0.33	3.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.33	U	0.33	0.33	3.3	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	9.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD042574.D	1		07/02/14	VD070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.33	U	0.33	0.33	3.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.65	U	0.59	0.65	3.3	ug/Kg
591-78-6	2-Hexanone	1.6	U	1.6	1.6	16.3	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	0.33	0.33	3.3	ug/Kg
106-93-4	1,2-Dibromoethane	0.33	U	0.33	0.33	3.3	ug/Kg
127-18-4	Tetrachloroethene	530	E	0.33	0.33	3.3	ug/Kg
108-90-7	Chlorobenzene	0.33	U	0.33	0.33	3.3	ug/Kg
100-41-4	Ethyl Benzene	0.33	U	0.33	0.33	3.3	ug/Kg
179601-23-1	m/p-Xylenes	0.65	U	0.47	0.65	6.5	ug/Kg
95-47-6	o-Xylene	0.33	U	0.33	0.33	3.3	ug/Kg
100-42-5	Styrene	0.33	U	0.29	0.33	3.3	ug/Kg
75-25-2	Bromoform	0.98	U	0.48	0.98	3.3	ug/Kg
98-82-8	Isopropylbenzene	0.33	U	0.31	0.33	3.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.33	U	0.3	0.33	3.3	ug/Kg
103-65-1	n-propylbenzene	0.33	U	0.24	0.33	3.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.33	U	0.29	0.33	3.3	ug/Kg
98-06-6	tert-Butylbenzene	0.33	U	0.33	0.33	3.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.33	U	0.33	0.33	3.3	ug/Kg
135-98-8	sec-Butylbenzene	0.33	U	0.33	0.33	3.3	ug/Kg
99-87-6	p-Isopropyltoluene	0.33	U	0.19	0.33	3.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.33	U	0.24	0.33	3.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.33	U	0.27	0.33	3.3	ug/Kg
104-51-8	n-Butylbenzene	0.33	U	0.3	0.33	3.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.33	U	0.33	0.33	3.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	0.57	3.3	3.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.33	U	0.33	0.33	3.3	ug/Kg
91-20-3	Naphthalene	0.33	U	0.29	0.33	3.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.33	0.65	3.3	ug/Kg
123-91-1	1,4-Dioxane	65.4	U	65.4	65.4	65.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.8		56 - 120		114%	SPK: 50
1868-53-7	Dibromofluoromethane	58		57 - 135		116%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)	SDG No.:	F2875
Lab Sample ID:	F2875-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	9.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD042574.D	1		07/02/14	VD070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	52.5		67 - 123		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.1		33 - 141		60%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	36945	6.48				
540-36-3	1,4-Difluorobenzene	48537	7.61				
3114-55-4	Chlorobenzene-d5	33219	11.72				
3855-82-1	1,4-Dichlorobenzene-d4	8225	14.05				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)DL	SDG No.:	F2875
Lab Sample ID:	F2875-13DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	10.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013910.D	1		07/01/14	VR070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	14.5	UD	14.5	14.5	150	ug/Kg
74-87-3	Chloromethane	14.5	UD	14.5	14.5	150	ug/Kg
75-01-4	Vinyl Chloride	14.5	UD	14.5	14.5	150	ug/Kg
74-83-9	Bromomethane	29.1	UD	29.1	29.1	150	ug/Kg
75-00-3	Chloroethane	14.5	UD	14.5	14.5	150	ug/Kg
75-69-4	Trichlorofluoromethane	14.5	UD	14.5	14.5	150	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	14.5	UD	14.5	14.5	150	ug/Kg
75-35-4	1,1-Dichloroethene	14.5	UD	14.5	14.5	150	ug/Kg
67-64-1	Acetone	72.7	UD	72.7	72.7	730	ug/Kg
75-15-0	Carbon Disulfide	14.5	UD	14.5	14.5	150	ug/Kg
1634-04-4	Methyl tert-butyl Ether	14.5	UD	14.5	14.5	150	ug/Kg
79-20-9	Methyl Acetate	29.1	UD	29.1	29.1	150	ug/Kg
75-09-2	Methylene Chloride	14.5	UD	14.5	14.5	150	ug/Kg
156-60-5	trans-1,2-Dichloroethene	14.5	UD	14.5	14.5	150	ug/Kg
75-34-3	1,1-Dichloroethane	14.5	UD	14.5	14.5	150	ug/Kg
110-82-7	Cyclohexane	14.5	UD	14.5	14.5	150	ug/Kg
78-93-3	2-Butanone	220	UD	90.4	220	730	ug/Kg
56-23-5	Carbon Tetrachloride	14.5	UD	14.5	14.5	150	ug/Kg
156-59-2	cis-1,2-Dichloroethene	14.5	UD	14.5	14.5	150	ug/Kg
74-97-5	Bromochloromethane	14.5	UD	14.5	14.5	150	ug/Kg
67-66-3	Chloroform	14.5	UD	14.5	14.5	150	ug/Kg
71-55-6	1,1,1-Trichloroethane	14.5	UD	14.5	14.5	150	ug/Kg
108-87-2	Methylcyclohexane	14.5	UD	14.5	14.5	150	ug/Kg
71-43-2	Benzene	14.5	UD	11	14.5	150	ug/Kg
107-06-2	1,2-Dichloroethane	14.5	UD	14.5	14.5	150	ug/Kg
79-01-6	Trichloroethene	14.5	UD	14.5	14.5	150	ug/Kg
78-87-5	1,2-Dichloropropane	14.5	UD	7.6	14.5	150	ug/Kg
75-27-4	Bromodichloromethane	14.5	UD	14.5	14.5	150	ug/Kg
108-10-1	4-Methyl-2-Pentanone	72.7	UD	72.7	72.7	730	ug/Kg
108-88-3	Toluene	14.5	UD	14.5	14.5	150	ug/Kg
10061-02-6	t-1,3-Dichloropropene	14.5	UD	14.5	14.5	150	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)DL	SDG No.:	F2875
Lab Sample ID:	F2875-13DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	10.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013910.D	1		07/01/14	VR070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	14.5	UD	14.5	14.5	150	ug/Kg
79-00-5	1,1,2-Trichloroethane	29.1	UD	26.2	29.1	150	ug/Kg
591-78-6	2-Hexanone	72.7	UD	72.7	72.7	730	ug/Kg
124-48-1	Dibromochloromethane	14.5	UD	14.5	14.5	150	ug/Kg
106-93-4	1,2-Dibromoethane	14.5	UD	14.5	14.5	150	ug/Kg
127-18-4	Tetrachloroethene	3700	ED	14.5	14.5	150	ug/Kg
108-90-7	Chlorobenzene	14.5	UD	14.5	14.5	150	ug/Kg
100-41-4	Ethyl Benzene	14.5	UD	14.5	14.5	150	ug/Kg
179601-23-1	m/p-Xylenes	29.1	UD	20.9	29.1	290	ug/Kg
95-47-6	o-Xylene	14.5	UD	14.5	14.5	150	ug/Kg
100-42-5	Styrene	14.5	UD	13.1	14.5	150	ug/Kg
75-25-2	Bromoform	43.6	UD	21.5	43.6	150	ug/Kg
98-82-8	Isopropylbenzene	14.5	UD	14	14.5	150	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	14.5	UD	13.4	14.5	150	ug/Kg
103-65-1	n-propylbenzene	14.5	UD	10.5	14.5	150	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	14.5	UD	13.1	14.5	150	ug/Kg
98-06-6	tert-Butylbenzene	14.5	UD	14.5	14.5	150	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	14.5	UD	14.5	14.5	150	ug/Kg
135-98-8	sec-Butylbenzene	14.5	UD	14.5	14.5	150	ug/Kg
99-87-6	p-Isopropyltoluene	14.5	UD	8.4	14.5	150	ug/Kg
541-73-1	1,3-Dichlorobenzene	14.5	UD	10.8	14.5	150	ug/Kg
106-46-7	1,4-Dichlorobenzene	14.5	UD	11.9	14.5	150	ug/Kg
104-51-8	n-Butylbenzene	14.5	UD	13.4	14.5	150	ug/Kg
95-50-1	1,2-Dichlorobenzene	14.5	UD	14.5	14.5	150	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	150	UD	25.3	150	150	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	14.5	UD	14.5	14.5	150	ug/Kg
91-20-3	Naphthalene	14.5	UD	13.1	14.5	150	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	29.1	UD	14.5	29.1	150	ug/Kg
123-91-1	1,4-Dioxane	2900	UD	2900	2900	2900	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.4		56 - 120		113%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		57 - 135		98%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)DL	SDG No.:	F2875
Lab Sample ID:	F2875-13DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	10.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013910.D	1		07/01/14	VR070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	56		67 - 123		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	56		33 - 141		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1183470	7.49				
540-36-3	1,4-Difluorobenzene	2078990	8.43				
3114-55-4	Chlorobenzene-d5	1929580	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	704542	13.22				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)DL2	SDG No.:	F2875
Lab Sample ID:	F2875-13DL2	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	10.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013912.D	5		07/01/14	VR070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	72.7	UD	72.7	72.7	730	ug/Kg
74-87-3	Chloromethane	72.7	UD	72.7	72.7	730	ug/Kg
75-01-4	Vinyl Chloride	72.7	UD	72.7	72.7	730	ug/Kg
74-83-9	Bromomethane	150	UD	150	150	730	ug/Kg
75-00-3	Chloroethane	72.7	UD	72.7	72.7	730	ug/Kg
75-69-4	Trichlorofluoromethane	72.7	UD	72.7	72.7	730	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	72.7	UD	72.7	72.7	730	ug/Kg
75-35-4	1,1-Dichloroethene	72.7	UD	72.7	72.7	730	ug/Kg
67-64-1	Acetone	360	UD	360	360	3600	ug/Kg
75-15-0	Carbon Disulfide	72.7	UD	72.7	72.7	730	ug/Kg
1634-04-4	Methyl tert-butyl Ether	72.7	UD	72.7	72.7	730	ug/Kg
79-20-9	Methyl Acetate	150	UD	150	150	730	ug/Kg
75-09-2	Methylene Chloride	72.7	UD	72.7	72.7	730	ug/Kg
156-60-5	trans-1,2-Dichloroethene	72.7	UD	72.7	72.7	730	ug/Kg
75-34-3	1,1-Dichloroethane	72.7	UD	72.7	72.7	730	ug/Kg
110-82-7	Cyclohexane	72.7	UD	72.7	72.7	730	ug/Kg
78-93-3	2-Butanone	1100	UD	450	1100	3600	ug/Kg
56-23-5	Carbon Tetrachloride	72.7	UD	72.7	72.7	730	ug/Kg
156-59-2	cis-1,2-Dichloroethene	72.7	UD	72.7	72.7	730	ug/Kg
74-97-5	Bromochloromethane	72.7	UD	72.7	72.7	730	ug/Kg
67-66-3	Chloroform	72.7	UD	72.7	72.7	730	ug/Kg
71-55-6	1,1,1-Trichloroethane	72.7	UD	72.7	72.7	730	ug/Kg
108-87-2	Methylcyclohexane	72.7	UD	72.7	72.7	730	ug/Kg
71-43-2	Benzene	72.7	UD	55.2	72.7	730	ug/Kg
107-06-2	1,2-Dichloroethane	72.7	UD	72.7	72.7	730	ug/Kg
79-01-6	Trichloroethene	72.7	UD	72.7	72.7	730	ug/Kg
78-87-5	1,2-Dichloropropane	72.7	UD	37.8	72.7	730	ug/Kg
75-27-4	Bromodichloromethane	72.7	UD	72.7	72.7	730	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	UD	360	360	3600	ug/Kg
108-88-3	Toluene	72.7	UD	72.7	72.7	730	ug/Kg
10061-02-6	t-1,3-Dichloropropene	72.7	UD	72.7	72.7	730	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)DL2	SDG No.:	F2875
Lab Sample ID:	F2875-13DL2	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	10.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013912.D	5		07/01/14	VR070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	72.7	UD	72.7	72.7	730	ug/Kg
79-00-5	1,1,2-Trichloroethane	150	UD	130	150	730	ug/Kg
591-78-6	2-Hexanone	360	UD	360	360	3600	ug/Kg
124-48-1	Dibromochloromethane	72.7	UD	72.7	72.7	730	ug/Kg
106-93-4	1,2-Dibromoethane	72.7	UD	72.7	72.7	730	ug/Kg
127-18-4	Tetrachloroethene	3300	D	72.7	72.7	730	ug/Kg
108-90-7	Chlorobenzene	72.7	UD	72.7	72.7	730	ug/Kg
100-41-4	Ethyl Benzene	72.7	UD	72.7	72.7	730	ug/Kg
179601-23-1	m/p-Xylenes	150	UD	100	150	1500	ug/Kg
95-47-6	o-Xylene	72.7	UD	72.7	72.7	730	ug/Kg
100-42-5	Styrene	72.7	UD	65.4	72.7	730	ug/Kg
75-25-2	Bromoform	220	UD	110	220	730	ug/Kg
98-82-8	Isopropylbenzene	72.7	UD	69.8	72.7	730	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	72.7	UD	66.8	72.7	730	ug/Kg
103-65-1	n-propylbenzene	72.7	UD	52.3	72.7	730	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	72.7	UD	65.4	72.7	730	ug/Kg
98-06-6	tert-Butylbenzene	72.7	UD	72.7	72.7	730	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	72.7	UD	72.7	72.7	730	ug/Kg
135-98-8	sec-Butylbenzene	72.7	UD	72.7	72.7	730	ug/Kg
99-87-6	p-Isopropyltoluene	72.7	UD	42.1	72.7	730	ug/Kg
541-73-1	1,3-Dichlorobenzene	72.7	UD	53.8	72.7	730	ug/Kg
106-46-7	1,4-Dichlorobenzene	72.7	UD	59.6	72.7	730	ug/Kg
104-51-8	n-Butylbenzene	72.7	UD	66.8	72.7	730	ug/Kg
95-50-1	1,2-Dichlorobenzene	72.7	UD	72.7	72.7	730	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	730	UD	130	730	730	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	72.7	UD	72.7	72.7	730	ug/Kg
91-20-3	Naphthalene	72.7	UD	65.4	72.7	730	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	150	UD	72.7	150	730	ug/Kg
123-91-1	1,4-Dioxane	14500	UD	14500	14500	14500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.2		56 - 120		112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		57 - 135		98%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/24/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GP-8(6-18)DL2	SDG No.:	F2875
Lab Sample ID:	F2875-13DL2	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.7
Sample Wt/Vol:	10.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013912.D	5		07/01/14	VR070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	55.8		67 - 123		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		33 - 141		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1152920	7.49				
540-36-3	1,4-Difluorobenzene	2018910	8.43				
3114-55-4	Chlorobenzene-d5	1809170	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	683186	13.22				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/23/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/24/14
Client Sample ID:	GW-5	SDG No.:	F2875
Lab Sample ID:	F2875-25	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.219	J	1	0.14	1.0	2	ug/L	06/27/14	06/30/14	SW6020
7440-38-2	Arsenic	0.758	J	1	0.18	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-39-3	Barium	124		1	0.1	5.0	10	ug/L	06/27/14	06/30/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-43-9	Cadmium	0.5	U	1	0.13	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-47-3	Chromium	2.62		1	0.04	1.0	2	ug/L	06/27/14	06/30/14	SW6020
7440-48-4	Cobalt	4.23		1	0.05	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-50-8	Copper	1.55	J	1	0.04	1.0	2	ug/L	06/27/14	06/30/14	SW6020
7439-92-1	Lead	4.32	N*	1	0.04	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7439-96-5	Manganese	3460		1	0.05	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	06/27/14	06/30/14	SW7470A
7440-02-0	Nickel	5.12	*	1	0.06	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7782-49-2	Selenium	0.859	J	1	0.7	2.5	5	ug/L	06/27/14	06/30/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-28-0	Thallium	0.062	J*	1	0.02	0.5	1	ug/L	06/27/14	06/30/14	SW6020
7440-62-2	Vanadium	0.428	J	1	0.15	2.5	5	ug/L	06/27/14	06/30/14	SW6020
7440-66-6	Zinc	15.3		1	0.09	1.0	2	ug/L	06/27/14	06/30/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX TO-15

DVIRKA & BARTILUCCI

330 Crossways Park Drive

Woodbury, NY - 11797

Phone No: 516-364-9890

ORDER ID : F2890

ATTENTION : MARIA WRIGHT



DoD ELAP

Hit Summary Sheet SW-846

SDG No.: F2890

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	SV-1								
F2890-01	SV-1	Air	Dichlorodifluoromethane	2.82	Q	0.2	0.49	2.47	ug/m3
F2890-01	SV-1	Air	Chloromethane	1.14		0.21	0.21	1.03	ug/m3
F2890-01	SV-1	Air	Trichlorofluoromethane	1.29	J	0.22	0.56	2.81	ug/m3
F2890-01	SV-1	Air	Heptane	3.03		0.41	0.41	2.05	ug/m3
F2890-01	SV-1	Air	Acetone	74.10	EB	0.24	0.24	1.19	ug/m3
F2890-01	SV-1	Air	Carbon Disulfide	1.31	J	0.16	0.31	1.56	ug/m3
F2890-01	SV-1	Air	Methylene Chloride	5.91	B	0.17	0.35	1.74	ug/m3
F2890-01	SV-1	Air	Cyclohexane	1.38	J	0.34	0.34	1.72	ug/m3
F2890-01	SV-1	Air	2-Butanone	2.68		0.29	0.29	1.47	ug/m3
F2890-01	SV-1	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3
F2890-01	SV-1	Air	2,2,4-Trimethylpentane	6.07		0.19	0.47	2.34	ug/m3
F2890-01	SV-1	Air	Benzene	1.73		0.13	0.32	1.6	ug/m3
F2890-01	SV-1	Air	Toluene	15.80		0.19	0.38	1.88	ug/m3
F2890-01	SV-1	Air	Tetrachloroethene	0.75		0.2	0.2	0.2	ug/m3
F2890-01	SV-1	Air	Ethyl Benzene	1.87	J	0.43	0.43	2.17	ug/m3
F2890-01	SV-1	Air	m/p-Xylene	5.65		0.43	0.87	4.34	ug/m3
F2890-01	SV-1	Air	o-Xylene	2.13	J	0.43	0.43	2.17	ug/m3
F2890-01	SV-1	Air	1,3,5-Trimethylbenzene	0.64	J	0.49	0.49	2.46	ug/m3
F2890-01	SV-1	Air	1,2,4-Trimethylbenzene	2.36	J	0.49	0.49	2.46	ug/m3
F2890-01	SV-1	Air	4-Ethyltoluene	0.88	J	0.49	0.49	2.46	ug/m3
F2890-01	SV-1	Air	Hexane	6.70		0.14	0.35	1.76	ug/m3
Total Voc :				138.62					
Total Concentration:				138.62					
Client ID:	SV-1DL								
F2890-01DL	SV-1DL	Air	Acetone	75.10	DB	2.38	2.38	11.9	ug/m3
F2890-01DL	SV-1DL	Air	Toluene	13.20	JD	1.88	3.77	18.8	ug/m3
F2890-01DL	SV-1DL	Air	Hexane	5.99	JD	1.41	3.52	17.6	ug/m3
Total Voc :				94.29					
Total Concentration:				94.29					
Client ID:	SV-2								
F2890-02	SV-2	Air	Dichlorodifluoromethane	1.88	JQ	0.2	0.49	2.47	ug/m3
F2890-02	SV-2	Air	Chloromethane	1.16		0.21	0.21	1.03	ug/m3
F2890-02	SV-2	Air	Tetrahydrofuran	1.65		0.29	0.29	1.47	ug/m3
F2890-02	SV-2	Air	Trichlorofluoromethane	3.99		0.22	0.56	2.81	ug/m3
F2890-02	SV-2	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F2890-02	SV-2	Air	Heptane	5.74		0.41	0.41	2.05	ug/m3
F2890-02	SV-2	Air	Acetone	52.30	E	0.24	0.24	1.19	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2890

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-02	SV-2	Air	Carbon Disulfide	191.00	E	0.16	0.31	1.56	ug/m3
F2890-02	SV-2	Air	Methylene Chloride	3.20	B	0.17	0.35	1.74	ug/m3
F2890-02	SV-2	Air	Cyclohexane	4.13		0.34	0.34	1.72	ug/m3
F2890-02	SV-2	Air	2-Butanone	4.42		0.29	0.29	1.47	ug/m3
F2890-02	SV-2	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3
F2890-02	SV-2	Air	Chloroform	66.90		0.1	0.49	2.44	ug/m3
F2890-02	SV-2	Air	1,1,1-Trichloroethane	0.76		0.16	0.16	0.16	ug/m3
F2890-02	SV-2	Air	2,2,4-Trimethylpentane	4.48		0.19	0.47	2.34	ug/m3
F2890-02	SV-2	Air	Benzene	7.99		0.13	0.32	1.6	ug/m3
F2890-02	SV-2	Air	Trichloroethene	0.48		0.11	0.16	0.16	ug/m3
F2890-02	SV-2	Air	Toluene	11.30		0.19	0.38	1.88	ug/m3
F2890-02	SV-2	Air	Tetrachloroethene	45.40		0.2	0.2	0.2	ug/m3
F2890-02	SV-2	Air	Ethyl Benzene	3.65		0.43	0.43	2.17	ug/m3
F2890-02	SV-2	Air	m/p-Xylene	11.70		0.43	0.87	4.34	ug/m3
F2890-02	SV-2	Air	o-Xylene	4.34		0.43	0.43	2.17	ug/m3
F2890-02	SV-2	Air	1,3,5-Trimethylbenzene	2.21	J	0.49	0.49	2.46	ug/m3
F2890-02	SV-2	Air	1,2,4-Trimethylbenzene	5.41		0.49	0.49	2.46	ug/m3
F2890-02	SV-2	Air	4-Ethyltoluene	2.36	J	0.49	0.49	2.46	ug/m3
F2890-02	SV-2	Air	Hexane	9.52		0.14	0.35	1.76	ug/m3
			Total Voc :	447.12					
			Total Concentration:	447.12					
Client ID:	SV-2DL								
F2890-02DL	SV-2DL	Air	Acetone	63.70	DB	2.38	2.38	11.9	ug/m3
F2890-02DL	SV-2DL	Air	Carbon Disulfide	175.00	D	1.56	3.11	15.6	ug/m3
F2890-02DL	SV-2DL	Air	Chloroform	71.80	D	0.98	4.88	24.4	ug/m3
F2890-02DL	SV-2DL	Air	Benzene	7.99	JD	1.28	3.19	16.0	ug/m3
F2890-02DL	SV-2DL	Air	Toluene	9.04	JD	1.88	3.77	18.8	ug/m3
F2890-02DL	SV-2DL	Air	Tetrachloroethene	42.00	D	2.03	2.03	2.03	ug/m3
F2890-02DL	SV-2DL	Air	m/p-Xylene	9.56	JD	4.34	8.69	43.4	ug/m3
			Total Voc :	379.09					
			Total Concentration:	379.09					
Client ID:	SV-4								
F2890-03	SV-4	Air	Dichlorodifluoromethane	1.78	JQ	0.2	0.49	2.47	ug/m3
F2890-03	SV-4	Air	Tetrahydrofuran	1.36	J	0.29	0.29	1.47	ug/m3
F2890-03	SV-4	Air	Trichlorofluoromethane	2.14	J	0.22	0.56	2.81	ug/m3
F2890-03	SV-4	Air	tert-Butyl alcohol	6.67	Q	0.3	0.3	1.52	ug/m3
F2890-03	SV-4	Air	Heptane	18.40		0.41	0.41	2.05	ug/m3
F2890-03	SV-4	Air	Acetone	71.30	E	0.24	0.24	1.19	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2890
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-03	SV-4	Air	Carbon Disulfide	60.70	E	0.16	0.31	1.56	ug/m3
F2890-03	SV-4	Air	Methylene Chloride	1.29	JB	0.17	0.35	1.74	ug/m3
F2890-03	SV-4	Air	Cyclohexane	8.26		0.34	0.34	1.72	ug/m3
F2890-03	SV-4	Air	2-Butanone	6.19		0.29	0.29	1.47	ug/m3
F2890-03	SV-4	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3
F2890-03	SV-4	Air	Chloroform	3.03		0.1	0.49	2.44	ug/m3
F2890-03	SV-4	Air	2,2,4-Trimethylpentane	22.00		0.19	0.47	2.34	ug/m3
F2890-03	SV-4	Air	Benzene	10.90		0.13	0.32	1.6	ug/m3
F2890-03	SV-4	Air	Trichloroethene	0.70		0.11	0.16	0.16	ug/m3
F2890-03	SV-4	Air	Toluene	128.00	E	0.19	0.38	1.88	ug/m3
F2890-03	SV-4	Air	Tetrachloroethene	54.20		0.2	0.2	0.2	ug/m3
F2890-03	SV-4	Air	Ethyl Benzene	38.20		0.43	0.43	2.17	ug/m3
F2890-03	SV-4	Air	m/p-Xylene	142.00	E	0.43	0.87	4.34	ug/m3
F2890-03	SV-4	Air	o-Xylene	61.20		0.43	0.43	2.17	ug/m3
F2890-03	SV-4	Air	Styrene	2.30		0.43	0.43	2.13	ug/m3
F2890-03	SV-4	Air	1,3,5-Trimethylbenzene	24.10		0.49	0.49	2.46	ug/m3
F2890-03	SV-4	Air	1,2,4-Trimethylbenzene	99.30	E	0.49	0.49	2.46	ug/m3
F2890-03	SV-4	Air	Naphthalene	120.00	E	0.21	0.52	2.62	ug/m3
F2890-03	SV-4	Air	4-Ethyltoluene	31.00		0.49	0.49	2.46	ug/m3
F2890-03	SV-4	Air	Hexane	25.70		0.14	0.35	1.76	ug/m3
Total Voc :				941.1					
Total Concentration:				941.1					
Client ID:	SV-4DL								
F2890-03DL	SV-4DL	Air	tert-Butyl alcohol	12.40	JD	3.03	3.03	15.2	ug/m3
F2890-03DL	SV-4DL	Air	Heptane	16.40	JD	4.1	4.1	20.5	ug/m3
F2890-03DL	SV-4DL	Air	Acetone	75.10	DB	2.38	2.38	11.9	ug/m3
F2890-03DL	SV-4DL	Air	Carbon Disulfide	46.40	D	1.56	3.11	15.6	ug/m3
F2890-03DL	SV-4DL	Air	Cyclohexane	7.92	JD	3.44	3.44	17.2	ug/m3
F2890-03DL	SV-4DL	Air	2-Butanone	6.78	JD	2.95	2.95	14.8	ug/m3
F2890-03DL	SV-4DL	Air	2,2,4-Trimethylpentane	22.00	JD	1.87	4.67	23.4	ug/m3
F2890-03DL	SV-4DL	Air	Benzene	10.50	JD	1.28	3.19	16.0	ug/m3
F2890-03DL	SV-4DL	Air	Toluene	118.00	D	1.88	3.77	18.8	ug/m3
F2890-03DL	SV-4DL	Air	Tetrachloroethene	48.80	D	2.03	2.03	2.03	ug/m3
F2890-03DL	SV-4DL	Air	Ethyl Benzene	36.00	D	4.34	4.34	21.7	ug/m3
F2890-03DL	SV-4DL	Air	m/p-Xylene	143.00	D	4.34	8.69	43.4	ug/m3
F2890-03DL	SV-4DL	Air	o-Xylene	61.70	D	4.34	4.34	21.7	ug/m3
F2890-03DL	SV-4DL	Air	1,3,5-Trimethylbenzene	23.60	JD	4.92	4.92	24.6	ug/m3
F2890-03DL	SV-4DL	Air	1,2,4-Trimethylbenzene	89.00	D	4.92	4.92	24.6	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2890
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-03DL	SV-4DL	Air	Naphthalene	66.60	D	2.1	5.24	26.2	ug/m3
F2890-03DL	SV-4DL	Air	4-Ethyltoluene	25.60	D	4.92	4.92	24.6	ug/m3
F2890-03DL	SV-4DL	Air	Hexane	23.60	D	1.41	3.52	17.6	ug/m3
Total Voc :				833.4					
Total Concentration:				833.4					
Client ID:	SV-5								
F2890-04	SV-5	Air	Trichlorofluoromethane	6.74	J	2.25	5.62	28.1	ug/m3
F2890-04	SV-5	Air	Heptane	3,032.00	E	4.1	4.1	20.5	ug/m3
F2890-04	SV-5	Air	Cyclohexane	8,949.00	E	3.44	3.44	17.2	ug/m3
F2890-04	SV-5	Air	2,2,4-Trimethylpentane	5,137.00	E	1.87	4.67	23.4	ug/m3
F2890-04	SV-5	Air	Benzene	734.00	E	1.28	3.19	16.0	ug/m3
F2890-04	SV-5	Air	Toluene	26.40		1.88	3.77	18.8	ug/m3
F2890-04	SV-5	Air	Tetrachloroethene	456.00		2.03	2.03	2.03	ug/m3
F2890-04	SV-5	Air	Ethyl Benzene	127.00		4.34	4.34	21.7	ug/m3
F2890-04	SV-5	Air	m/p-Xylene	68.60		4.34	8.69	43.4	ug/m3
F2890-04	SV-5	Air	o-Xylene	9.99	J	4.34	4.34	21.7	ug/m3
F2890-04	SV-5	Air	1,3,5-Trimethylbenzene	27.00		4.92	4.92	24.6	ug/m3
F2890-04	SV-5	Air	1,2,4-Trimethylbenzene	107.00		4.92	4.92	24.6	ug/m3
F2890-04	SV-5	Air	Naphthalene	15.20	J	2.1	5.24	26.2	ug/m3
F2890-04	SV-5	Air	4-Ethyltoluene	17.70	J	4.92	4.92	24.6	ug/m3
F2890-04	SV-5	Air	Hexane	11,277.00	E	1.41	3.52	17.6	ug/m3
Total Voc :				29990.63					
Total Concentration:				29990.63					
Client ID:	SV-5DL								
F2890-04DL	SV-5DL	Air	Heptane	2,663.00	D	491	491	2458	ug/m3
F2890-04DL	SV-5DL	Air	Cyclohexane	7,916.00	D	413	413	2065	ug/m3
F2890-04DL	SV-5DL	Air	2,2,4-Trimethylpentane	16,814.00	D	224	560	2802	ug/m3
F2890-04DL	SV-5DL	Air	Benzene	862.00	JD	153	383	1916	ug/m3
F2890-04DL	SV-5DL	Air	Tetrachloroethene	569.00	D	244	244	244	ug/m3
F2890-04DL	SV-5DL	Air	Hexane	14,449.00	D	169	422	2114	ug/m3
Total Voc :				43273					
Total Concentration:				43273					
Client ID:	SV-13								
F2890-05	SV-13	Air	Dichlorodifluoromethane	1.34	JQ	0.2	0.49	2.47	ug/m3
F2890-05	SV-13	Air	Trichlorofluoromethane	3.03		0.22	0.56	2.81	ug/m3
F2890-05	SV-13	Air	Acetone	38.50	E	0.24	0.24	1.19	ug/m3
F2890-05	SV-13	Air	Methylene Chloride	20.50	B	0.17	0.35	1.74	ug/m3
F2890-05	SV-13	Air	2-Butanone	1.68		0.29	0.29	1.47	ug/m3
F2890-05	SV-13	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2890
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-05	SV-13	Air	Chloroform	5.86		0.1	0.49	2.44	ug/m3
F2890-05	SV-13	Air	2,2,4-Trimethylpentane	560.00	E	0.19	0.47	2.34	ug/m3
F2890-05	SV-13	Air	Trichloroethene	0.43		0.11	0.16	0.16	ug/m3
F2890-05	SV-13	Air	Toluene	5.65		0.19	0.38	1.88	ug/m3
F2890-05	SV-13	Air	Tetrachloroethene	65.80		0.2	0.2	0.2	ug/m3
F2890-05	SV-13	Air	o-Xylene	0.61	J	0.43	0.43	2.17	ug/m3
F2890-05	SV-13	Air	1,2,4-Trimethylbenzene	1.87	J	0.49	0.49	2.46	ug/m3
F2890-05	SV-13	Air	Naphthalene	5.77		0.21	0.52	2.62	ug/m3
F2890-05	SV-13	Air	Hexane	1.76		0.14	0.35	1.76	ug/m3
			Total Voc :	713.18					
			Total Concentration:	713.18					
Client ID:	SV-13DL								
F2890-05DL	SV-13DL	Air	Acetone	63.20	DB	9.5	9.5	47.5	ug/m3
F2890-05DL	SV-13DL	Air	2,2,4-Trimethylpentane	1,354.00	D	7.47	18.7	93.4	ug/m3
F2890-05DL	SV-13DL	Air	Tetrachloroethene	76.00	D	8.14	8.14	8.14	ug/m3
			Total Voc :	1493.2					
			Total Concentration:	1493.2					
Client ID:	SV-8								
F2890-06	SV-8	Air	Heptane	34.80		4.1	4.1	20.5	ug/m3
F2890-06	SV-8	Air	Acetone	207.00	B	2.38	2.38	11.9	ug/m3
F2890-06	SV-8	Air	Methylene Chloride	167.00	B	1.74	3.47	17.4	ug/m3
F2890-06	SV-8	Air	Cyclohexane	38.20		3.44	3.44	17.2	ug/m3
F2890-06	SV-8	Air	Chloroform	154.00		0.98	4.88	24.4	ug/m3
F2890-06	SV-8	Air	2,2,4-Trimethylpentane	114.00		1.87	4.67	23.4	ug/m3
F2890-06	SV-8	Air	Benzene	46.00		1.28	3.19	16.0	ug/m3
F2890-06	SV-8	Air	Trichloroethene	128.00		0.81	1.61	1.61	ug/m3
F2890-06	SV-8	Air	Toluene	166.00		1.88	3.77	18.8	ug/m3
F2890-06	SV-8	Air	Tetrachloroethene	31,871.00	E	2.03	2.03	2.03	ug/m3
F2890-06	SV-8	Air	Ethyl Benzene	133.00		4.34	4.34	21.7	ug/m3
F2890-06	SV-8	Air	m/p-Xylene	477.00		4.34	8.69	43.4	ug/m3
F2890-06	SV-8	Air	o-Xylene	117.00		4.34	4.34	21.7	ug/m3
F2890-06	SV-8	Air	1,3,5-Trimethylbenzene	70.30		4.92	4.92	24.6	ug/m3
F2890-06	SV-8	Air	1,2,4-Trimethylbenzene	147.00		4.92	4.92	24.6	ug/m3
F2890-06	SV-8	Air	4-Ethyltoluene	75.20		4.92	4.92	24.6	ug/m3
			Total Voc :	33945.5					
			Total Concentration:	33945.5					
Client ID:	SV-8DL								
F2890-06DL	SV-8DL	Air	Tetrachloroethene	31,193.00	D	122	122	122	ug/m3
F2890-06DL	SV-8DL	Air	m/p-Xylene	477.00	JD	260	521	2606	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2890

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				31670					
Total Concentration:				31670					
Client ID:	SV-10								
F2890-07	SV-10	Air	Dichlorodifluoromethane	1.14	JQ	0.2	0.49	2.47	ug/m3
F2890-07	SV-10	Air	Trichlorofluoromethane	1.46	J	0.22	0.56	2.81	ug/m3
F2890-07	SV-10	Air	tert-Butyl alcohol	2.94		0.3	0.3	1.52	ug/m3
F2890-07	SV-10	Air	Heptane	2.83		0.41	0.41	2.05	ug/m3
F2890-07	SV-10	Air	Acetone	30.20	B	0.24	0.24	1.19	ug/m3
F2890-07	SV-10	Air	Carbon Disulfide	6.23		0.16	0.31	1.56	ug/m3
F2890-07	SV-10	Air	Methylene Chloride	2.26	B	0.17	0.35	1.74	ug/m3
F2890-07	SV-10	Air	Cyclohexane	4.13		0.34	0.34	1.72	ug/m3
F2890-07	SV-10	Air	2-Butanone	3.54		0.29	0.29	1.47	ug/m3
F2890-07	SV-10	Air	Carbon Tetrachloride	0.44		0.19	0.19	0.19	ug/m3
F2890-07	SV-10	Air	Chloroform	0.59	J	0.1	0.49	2.44	ug/m3
F2890-07	SV-10	Air	2,2,4-Trimethylpentane	9.34		0.19	0.47	2.34	ug/m3
F2890-07	SV-10	Air	Benzene	4.15		0.13	0.32	1.6	ug/m3
F2890-07	SV-10	Air	1,2-Dichloroethane	0.65	J	0.4	0.4	2.02	ug/m3
F2890-07	SV-10	Air	Trichloroethene	0.16		0.11	0.16	0.16	ug/m3
F2890-07	SV-10	Air	Toluene	26.00		0.19	0.38	1.88	ug/m3
F2890-07	SV-10	Air	Tetrachloroethene	7.46		0.2	0.2	0.2	ug/m3
F2890-07	SV-10	Air	Ethyl Benzene	6.08		0.43	0.43	2.17	ug/m3
F2890-07	SV-10	Air	m/p-Xylene	23.00		0.43	0.87	4.34	ug/m3
F2890-07	SV-10	Air	o-Xylene	10.90		0.43	0.43	2.17	ug/m3
F2890-07	SV-10	Air	Styrene	0.85	J	0.43	0.43	2.13	ug/m3
F2890-07	SV-10	Air	1,3,5-Trimethylbenzene	3.15		0.49	0.49	2.46	ug/m3
F2890-07	SV-10	Air	1,2,4-Trimethylbenzene	12.80		0.49	0.49	2.46	ug/m3
F2890-07	SV-10	Air	1,4-Dichlorobenzene	0.78	J	0.6	0.6	3.01	ug/m3
F2890-07	SV-10	Air	Naphthalene	3.46		0.21	0.52	2.62	ug/m3
F2890-07	SV-10	Air	4-Ethyltoluene	3.64		0.49	0.49	2.46	ug/m3
F2890-07	SV-10	Air	Hexane	8.11		0.14	0.35	1.76	ug/m3
Total Voc :				176.29					
Total Concentration:				176.29					
Client ID:	SV-11								
F2890-08	SV-11	Air	Dichlorodifluoromethane	1.78	JQ	0.2	0.49	2.47	ug/m3
F2890-08	SV-11	Air	Chloromethane	1.67		0.21	0.21	1.03	ug/m3
F2890-08	SV-11	Air	Trichlorofluoromethane	1.69	J	0.22	0.56	2.81	ug/m3
F2890-08	SV-11	Air	Heptane	25.80		0.41	0.41	2.05	ug/m3
F2890-08	SV-11	Air	Acetone	91.00	EB	0.24	0.24	1.19	ug/m3

Hit Summary Sheet

SW-846

SDG No.:	<u>F2890</u>
Client:	Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-08	SV-11	Air	Carbon Disulfide	16.20		0.16	0.31	1.56	ug/m3
F2890-08	SV-11	Air	Methylene Chloride	11.10	B	0.17	0.35	1.74	ug/m3
F2890-08	SV-11	Air	Cyclohexane	16.20		0.34	0.34	1.72	ug/m3
F2890-08	SV-11	Air	2-Butanone	3.54		0.29	0.29	1.47	ug/m3
F2890-08	SV-11	Air	Carbon Tetrachloride	0.44		0.19	0.19	0.19	ug/m3
F2890-08	SV-11	Air	Chloroform	1.51	J	0.1	0.49	2.44	ug/m3
F2890-08	SV-11	Air	2,2,4-Trimethylpentane	43.40		0.19	0.47	2.34	ug/m3
F2890-08	SV-11	Air	Benzene	20.40		0.13	0.32	1.6	ug/m3
F2890-08	SV-11	Air	Toluene	86.70	E	0.19	0.38	1.88	ug/m3
F2890-08	SV-11	Air	Tetrachloroethene	4.48		0.2	0.2	0.2	ug/m3
F2890-08	SV-11	Air	Ethyl Benzene	16.10		0.43	0.43	2.17	ug/m3
F2890-08	SV-11	Air	m/p-Xylene	52.10		0.43	0.87	4.34	ug/m3
F2890-08	SV-11	Air	o-Xylene	22.20		0.43	0.43	2.17	ug/m3
F2890-08	SV-11	Air	Styrene	2.38		0.43	0.43	2.13	ug/m3
F2890-08	SV-11	Air	1,3,5-Trimethylbenzene	6.39		0.49	0.49	2.46	ug/m3
F2890-08	SV-11	Air	1,2,4-Trimethylbenzene	23.60		0.49	0.49	2.46	ug/m3
F2890-08	SV-11	Air	1,4-Dichlorobenzene	4.09		0.6	0.6	3.01	ug/m3
F2890-08	SV-11	Air	Naphthalene	5.24		0.21	0.52	2.62	ug/m3
F2890-08	SV-11	Air	4-Ethyltoluene	7.87		0.49	0.49	2.46	ug/m3
F2890-08	SV-11	Air	Hexane	49.30		0.14	0.35	1.76	ug/m3
			Total Voc :	515.18					
			Total Concentration:	515.18					
Client ID:	SV-11								
F2890-08DL	SV-11	Air	Heptane	26.60	D	4.1	4.1	20.5	ug/m3
F2890-08DL	SV-11	Air	Acetone	102.00	DB	2.38	2.38	11.9	ug/m3
F2890-08DL	SV-11	Air	Carbon Disulfide	13.70	JD	1.56	3.11	15.6	ug/m3
F2890-08DL	SV-11	Air	2,2,4-Trimethylpentane	45.30	D	1.87	4.67	23.4	ug/m3
F2890-08DL	SV-11	Air	Benzene	22.00	D	1.28	3.19	16.0	ug/m3
F2890-08DL	SV-11	Air	Toluene	91.20	D	1.88	3.77	18.8	ug/m3
F2890-08DL	SV-11	Air	Tetrachloroethene	4.75	D	2.03	2.03	2.03	ug/m3
F2890-08DL	SV-11	Air	m/p-Xylene	52.10	D	4.34	8.69	43.4	ug/m3
F2890-08DL	SV-11	Air	o-Xylene	21.30	JD	4.34	4.34	21.7	ug/m3
F2890-08DL	SV-11	Air	1,2,4-Trimethylbenzene	23.60	JD	4.92	4.92	24.6	ug/m3
F2890-08DL	SV-11	Air	Naphthalene	7.86	JD	2.1	5.24	26.2	ug/m3
F2890-08DL	SV-11	Air	Hexane	55.00	D	1.41	3.52	17.6	ug/m3
			Total Voc :	465.41					
			Total Concentration:	465.41					
Client ID:	SV-3								

Hit Summary Sheet SW-846

SDG No.: F2890
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-09	SV-3	Air	Dichlorodifluoromethane	1.53	JQ	0.2	0.49	2.47	ug/m3
F2890-09	SV-3	Air	Chloromethane	0.70	J	0.21	0.21	1.03	ug/m3
F2890-09	SV-3	Air	Vinyl Chloride	0.18		0.08	0.08	0.08	ug/m3
F2890-09	SV-3	Air	Trichlorofluoromethane	3.71		0.22	0.56	2.81	ug/m3
F2890-09	SV-3	Air	Heptane	90.20	E	0.41	0.41	2.05	ug/m3
F2890-09	SV-3	Air	Acetone	96.70	E	0.24	0.24	1.19	ug/m3
F2890-09	SV-3	Air	Carbon Disulfide	9.03		0.16	0.31	1.56	ug/m3
F2890-09	SV-3	Air	Cyclohexane	17.90		0.34	0.34	1.72	ug/m3
F2890-09	SV-3	Air	2-Butanone	3.24		0.29	0.29	1.47	ug/m3
F2890-09	SV-3	Air	Chloroform	4.88		0.1	0.49	2.44	ug/m3
F2890-09	SV-3	Air	1,1,1-Trichloroethane	0.98		0.16	0.16	0.16	ug/m3
F2890-09	SV-3	Air	2,2,4-Trimethylpentane	233.00	E	0.19	0.47	2.34	ug/m3
F2890-09	SV-3	Air	Benzene	40.60		0.13	0.32	1.6	ug/m3
F2890-09	SV-3	Air	Trichloroethene	0.27		0.11	0.16	0.16	ug/m3
F2890-09	SV-3	Air	Toluene	307.00	E	0.19	0.38	1.88	ug/m3
F2890-09	SV-3	Air	Tetrachloroethene	949.00	E	0.2	0.2	0.2	ug/m3
F2890-09	SV-3	Air	Ethyl Benzene	140.00	E	0.43	0.43	2.17	ug/m3
F2890-09	SV-3	Air	m/p-Xylene	382.00	E	0.43	0.87	4.34	ug/m3
F2890-09	SV-3	Air	o-Xylene	129.00	E	0.43	0.43	2.17	ug/m3
F2890-09	SV-3	Air	1,3,5-Trimethylbenzene	33.90		0.49	0.49	2.46	ug/m3
F2890-09	SV-3	Air	1,2,4-Trimethylbenzene	64.90		0.49	0.49	2.46	ug/m3
F2890-09	SV-3	Air	Naphthalene	1.63	J	0.21	0.52	2.62	ug/m3
F2890-09	SV-3	Air	4-Ethyltoluene	31.00		0.49	0.49	2.46	ug/m3
F2890-09	SV-3	Air	Hexane	36.30		0.14	0.35	1.76	ug/m3
Total Voc :				2577.65					
Total Concentration:				2577.65					
Client ID:	SV-3DL								
F2890-09DL	SV-3DL	Air	Heptane	86.10	D	4.1	4.1	20.5	ug/m3
F2890-09DL	SV-3DL	Air	Acetone	99.50	DB	2.38	2.38	11.9	ug/m3
F2890-09DL	SV-3DL	Air	2,2,4-Trimethylpentane	235.00	D	1.87	4.67	23.4	ug/m3
F2890-09DL	SV-3DL	Air	Benzene	39.60	D	1.28	3.19	16.0	ug/m3
F2890-09DL	SV-3DL	Air	Toluene	274.00	D	1.88	3.77	18.8	ug/m3
F2890-09DL	SV-3DL	Air	Tetrachloroethene	745.00	D	2.03	2.03	2.03	ug/m3
F2890-09DL	SV-3DL	Air	Ethyl Benzene	137.00	D	4.34	4.34	21.7	ug/m3
F2890-09DL	SV-3DL	Air	m/p-Xylene	380.00	D	4.34	8.69	43.4	ug/m3
F2890-09DL	SV-3DL	Air	o-Xylene	133.00	D	4.34	4.34	21.7	ug/m3
F2890-09DL	SV-3DL	Air	1,3,5-Trimethylbenzene	35.40	D	4.92	4.92	24.6	ug/m3
F2890-09DL	SV-3DL	Air	1,2,4-Trimethylbenzene	66.90	D	4.92	4.92	24.6	ug/m3



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: F2890
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2890-09DL	SV-3DL	Air	4-Ethyltoluene	32.00	D	4.92	4.92	24.6	ug/m3
Total Voc :				2263.5					
Total Concentration:				2263.5					

DATA FOR
VOLATILE ORGANICS
SEMI-VOLATILE ORGANICS
GC SEMI-VOLATILES
METALS
GENERAL CHEMISTRY

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX

DVIRKA & BARTILUCCI
330 Crossways Park Drive

Woodbury, NY - 11797
Phone No: 516-364-9890

ORDER ID : F2918
ATTENTION : MARIA WRIGHT



DoD ELAP



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date : 07/07/2014

Dear MARIA WRIGHT,

10 water and **14** soil samples for the **NYCSCA Unionport Road Bronx** project were received on **06/27/2014**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Corey J. Petitt

Corey@chemtech.net

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 031799

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION												
COMPANY: DVI/Ka + Be/Alhaji Engineers ADDRESS: 330 Crossways Park Drive CITY: Woodbury STATE: NJ ZIP: 11797 ATTENTION: 516 364-9840 PHONE: Mike Hofgren FAX: 516 364-9845			PROJECT NAME: DVI/Ka + Be/Alhaji Engineers PROJECT NO: 3415 LOCATION: Unimort Brown PROJECT MANAGER: Mike Hofgren e-mail: MHofgren@db-ny.com PHONE: 516 364-9890 FAX: 516 364-9845			BILL TO: DVI/Ka + Be/Alhaji Engineers ADDRESS: 330 Crossways Park Drive CITY: Woodbury STATE: NJ ZIP: 11797 ATTENTION: Mike Hofgren PHONE: 516 364-9890												
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION			ANALYSIS												
FAX: _____ DAYS: * HARD COPY: 5 days DAYS: * EDD: _____ DAYS: * PREAPPROVED TAT: <input type="checkbox"/> YES <input type="checkbox"/> NO * STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			<input type="checkbox"/> LEVEL 1: Results only <input type="checkbox"/> Others _____ <input type="checkbox"/> LEVEL 2: Results + QC <input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC <input type="checkbox"/> LEVEL 4: Results + QC (all raw data) <input type="checkbox"/> EDD Format: _____			TEL: VOCs + CP-51 TEL: SVOCs + CP-51 PCBs TEL: 4 metals both and G TEL: 5 metals, Car, Fe, Ni, Mg, Pb TEL: 6 TCL Pesticides/Herbicides TEL: 8 Hexavalent Chromium TEL: Cyanide TEL: 10 metals soil TEL: 12 metals soil												
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	GP-16 (0-5')	Soil	-	✓	6/26/14	10:45 am	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold TCLP Filter in Lab for metals
2.	GW-16	Water	-	✓	6/26/14	11:30 am	6	✓	✓	✓	✓	-	-	-	-	-	-	
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY										
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments: Filter in Lab for dissolved metals							Cooler Temp. 5°C
1. Keith J. Jeter	6/26/14 6:00 pm	J. Jeter								
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	Comments: 2 2							Ice in Cooler?: yes
2. A. Jeter	10:45 am	2.								
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:	SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT CHEMTECH <input type="checkbox"/> PICKED UP <input type="checkbox"/> OVERNIGHT.							Shipment Complete: <input type="checkbox"/> YES <input type="checkbox"/> NO
3. A. Jeter	6-26-14	3. RSJ								

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	TRIPBLANK-6-25-14	SDG No.:	F2918
Lab Sample ID:	F2918-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016993.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	TRIPBLANK-6-25-14	SDG No.:	F2918
Lab Sample ID:	F2918-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016993.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.4		61 - 141		97%	SPK: 50
1868-53-7	Dibromofluoromethane	43.4		69 - 133		87%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	TRIPBLANK-6-25-14	SDG No.:	F2918
Lab Sample ID:	F2918-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016993.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.2		65 - 126		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.1		58 - 135		116%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	232703	7.87				
540-36-3	1,4-Difluorobenzene	388148	8.79				
3114-55-4	Chlorobenzene-d5	419133	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	190985	13.56				

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E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 09:55
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
		% Solid:	81.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.146	U	1	0.038	0.146	0.291	mg/Kg	07/01/14	07/02/14 12:40	9012B
Hexavalent Chromium	0.096	J	1	0.096	0.241	0.482	mg/Kg	07/02/14	07/02/14 15:13	7196A

Comments:

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918		
Lab Sample ID:	F2918-02	Matrix:	SOIL		
Analytical Method:	SW8151A	% Moisture:	18.3	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Herbicide
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010324.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	20.4	U	16.2	20.4	81.9	ug/Kg
120-36-5	DICHLORPROP	20.4	U	15.1	20.4	81.9	ug/Kg
94-75-7	2,4-D	20.4	U	20.4	20.4	81.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	20.4	U	13.3	20.4	81.9	ug/Kg
93-76-5	2,4,5-T	20.4	U	12.5	20.4	81.9	ug/Kg
94-82-6	2,4-DB	20.4	U	20.4	20.4	81.9	ug/Kg
88-85-7	DINOSEB	20.4	U	20.4	20.4	81.9	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	254		12 - 189		51%	SPK: 500

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.627	JN	1	0.591	1.32	2.64	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	3.08		1	0.348	0.528	1.06	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	68.4		1	0.422	2.64	5.28	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.773		1	0.063	0.158	0.317	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.158	U	1	0.063	0.158	0.317	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	28.9		1	0.137	0.264	0.528	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	15.4		1	0.601	0.791	1.58	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	25.3		1	0.338	0.528	1.06	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	26.2	N	1	0.127	0.317	0.633	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	277		1	0.2	0.528	1.06	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.074		1	0.006	0.006	0.011	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	23.5		1	0.485	1.06	2.11	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	1.46		1	0.433	0.528	1.06	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	1.28		1	0.158	0.264	0.528	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	1.06	U	1	0.285	1.06	2.11	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	37.2		1	0.623	1.06	2.11	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	61.3		1	0.739	1.06	2.11	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003679.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.1	U	4.1	4.1	20.8	ug/kg
11104-28-2	Aroclor-1221	4.1	U	4.1	4.1	20.8	ug/kg
11141-16-5	Aroclor-1232	4.1	U	4.1	4.1	20.8	ug/kg
53469-21-9	Aroclor-1242	4.1	U	4.1	4.1	20.8	ug/kg
12672-29-6	Aroclor-1248	4.1	U	4.1	4.1	20.8	ug/kg
11097-69-1	Aroclor-1254	4.1	U	1.8	4.1	20.8	ug/kg
11096-82-5	Aroclor-1260	4.1	U	4.1	4.1	20.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.3		10 - 166		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.5		60 - 125		73%	SPK: 20

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* = Values outside of QC limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	18.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023216.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.403	U	0.159	0.403	2.1	ug/kg
319-85-7	beta-BHC	0.403	U	0.22	0.403	2.1	ug/kg
319-86-8	delta-BHC	0.403	U	0.122	0.403	2.1	ug/kg
58-89-9	gamma-BHC (Lindane)	0.403	U	0.183	0.403	2.1	ug/kg
76-44-8	Heptachlor	0.403	U	0.171	0.403	2.1	ug/kg
309-00-2	Aldrin	0.403	U	0.122	0.403	2.1	ug/kg
1024-57-3	Heptachlor epoxide	0.403	U	0.196	0.403	2.1	ug/kg
959-98-8	Endosulfan I	0.403	U	0.183	0.403	2.1	ug/kg
60-57-1	Dieldrin	0.403	U	0.159	0.403	2.1	ug/kg
72-55-9	4,4-DDE	0.403	U	0.244	0.403	2.1	ug/kg
72-20-8	Endrin	0.403	U	0.22	0.403	2.1	ug/kg
33213-65-9	Endosulfan II	0.403	U	0.171	0.403	2.1	ug/kg
72-54-8	4,4-DDD	0.403	U	0.208	0.403	2.1	ug/kg
1031-07-8	Endosulfan Sulfate	0.403	U	0.183	0.403	2.1	ug/kg
50-29-3	4,4-DDT	0.403	U	0.171	0.403	2.1	ug/kg
72-43-5	Methoxychlor	0.403	U	0.208	0.403	2.1	ug/kg
53494-70-5	Endrin ketone	0.403	U	0.159	0.403	2.1	ug/kg
7421-93-4	Endrin aldehyde	0.403	U	0.183	0.403	2.1	ug/kg
5103-71-9	alpha-Chlordane	0.403	U	0.171	0.403	2.1	ug/kg
5103-74-2	gamma-Chlordane	0.403	U	0.159	0.403	2.1	ug/kg
8001-35-2	Toxaphene	4.1	U	4.1	4.1	20.8	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17		10 - 169		85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		31 - 151		112%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918		
Lab Sample ID:	F2918-02	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	18.3	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023216.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072266.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	40.7	U	21.2	40.7	400	ug/Kg
108-95-2	Phenol	40.7	U	9.4	40.7	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	40.7	U	19.5	40.7	400	ug/Kg
95-57-8	2-Chlorophenol	40.7	U	21.5	40.7	400	ug/Kg
95-48-7	2-Methylphenol	40.7	U	22.1	40.7	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.7	U	16.8	40.7	400	ug/Kg
98-86-2	Acetophenone	40.7	U	12.5	40.7	400	ug/Kg
65794-96-9	3+4-Methylphenols	40.7	U	21.1	40.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.7	U	20.5	40.7	400	ug/Kg
67-72-1	Hexachloroethane	40.7	U	18.2	40.7	400	ug/Kg
98-95-3	Nitrobenzene	40.7	U	15.4	40.7	400	ug/Kg
78-59-1	Isophorone	40.7	U	13.4	40.7	400	ug/Kg
88-75-5	2-Nitrophenol	40.7	U	19.7	40.7	400	ug/Kg
105-67-9	2,4-Dimethylphenol	40.7	U	23.1	40.7	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40.7	U	23.4	40.7	400	ug/Kg
120-83-2	2,4-Dichlorophenol	40.7	U	15.5	40.7	400	ug/Kg
91-20-3	Naphthalene	40.7	U	14	40.7	400	ug/Kg
106-47-8	4-Chloroaniline	40.7	U	28.7	40.7	400	ug/Kg
87-68-3	Hexachlorobutadiene	40.7	U	14.8	40.7	400	ug/Kg
105-60-2	Caprolactam	81.4	U	18.9	81.4	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40.7	U	18.1	40.7	400	ug/Kg
91-57-6	2-Methylnaphthalene	40.7	U	10.3	40.7	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	40.7	U	9.9	40.7	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	40.7	U	12.5	40.7	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40.7	U	28.6	40.7	400	ug/Kg
92-52-4	1,1-Biphenyl	40.7	U	15.4	40.7	400	ug/Kg
91-58-7	2-Chloronaphthalene	40.7	U	9.3	40.7	400	ug/Kg
88-74-4	2-Nitroaniline	40.7	U	18.1	40.7	400	ug/Kg
131-11-3	Dimethylphthalate	780		11	40.7	400	ug/Kg
208-96-8	Acenaphthylene	40.7	U	10.3	40.7	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.7	U	16.6	40.7	400	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072266.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	81.4	U	26.1	81.4	400	ug/Kg
83-32-9	Acenaphthene	40.7	U	11.5	40.7	400	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	41.4	330	400	ug/Kg
100-02-7	4-Nitrophenol	200	U	75.6	200	400	ug/Kg
132-64-9	Dibenzofuran	40.7	U	15.9	40.7	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	40.7	U	12.2	40.7	400	ug/Kg
84-66-2	Diethylphthalate	40.7	U	6.3	40.7	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	40.7	U	22.1	40.7	400	ug/Kg
86-73-7	Fluorene	40.7	U	15.4	40.7	400	ug/Kg
100-01-6	4-Nitroaniline	81.4	U	53	81.4	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	23.3	200	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.7	U	9.8	40.7	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	40.7	U	7.9	40.7	400	ug/Kg
118-74-1	Hexachlorobenzene	40.7	U	16.6	40.7	400	ug/Kg
1912-24-9	Atrazine	40.7	U	21.5	40.7	400	ug/Kg
87-86-5	Pentachlorophenol	40.7	U	27.8	40.7	400	ug/Kg
85-01-8	Phenanthrene	40.7	U	11	40.7	400	ug/Kg
120-12-7	Anthracene	40.7	U	8.3	40.7	400	ug/Kg
86-74-8	Carbazole	40.7	U	8.9	40.7	400	ug/Kg
84-74-2	Di-n-butylphthalate	40.7	U	32	40.7	400	ug/Kg
206-44-0	Fluoranthene	40.7	U	8.2	40.7	400	ug/Kg
129-00-0	Pyrene	40.7	U	9.8	40.7	400	ug/Kg
85-68-7	Butylbenzylphthalate	40.7	U	19.5	40.7	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.7	U	26.1	40.7	400	ug/Kg
56-55-3	Benzo(a)anthracene	40.7	U	19.4	40.7	400	ug/Kg
218-01-9	Chrysene	40.7	U	18.4	40.7	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	40.7	U	14.4	40.7	400	ug/Kg
117-84-0	Di-n-octyl phthalate	40.7	U	4.6	40.7	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	40.7	U	13.3	40.7	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	40.7	U	19.2	40.7	400	ug/Kg
50-32-8	Benzo(a)pyrene	40.7	U	8.8	40.7	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40.7	U	13.6	40.7	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	40.7	U	11.7	40.7	400	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072266.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	40.7	U	16.5	40.7	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40.7	U	16	40.7	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40.7	U	16	40.7	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130		28 - 127		84%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127		88%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.1		31 - 132		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		39 - 123		65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		71%	SPK: 150
1718-51-0	Terphenyl-d14	61.9		37 - 115		62%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	42115	7.16				
1146-65-2	Naphthalene-d8	178096	8.73				
15067-26-2	Acenaphthene-d10	96372	10.91				
1517-22-2	Phenanthrene-d10	174944	12.73				
1719-03-5	Chrysene-d12	206209	16				
1520-96-3	Perylene-d12	186930	17.64				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	15500	J			1.38	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	720	A			4.89	ug/Kg
	unknown6.87	3700	J			6.87	ug/Kg
039546-80-0	Neopentylidenecyclohexane	130	J			10.8	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	180	J			11.79	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	350	J			12.12	ug/Kg
000057-10-3	n-Hexadecanoic acid	250	J			13.48	ug/Kg
1000282-97-2	4-Heptafluorobutyryloxyhexadecane	200	J			14.12	ug/Kg
074685-29-3	9-Eicosene, (E)-	500	J			15.91	ug/Kg
007683-64-9	Squalene	180	J			17.16	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072266.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.3
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008866.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.52	U	0.52	0.52	5.2	ug/Kg
74-87-3	Chloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	0.52	5.2	ug/Kg
74-83-9	Bromomethane	1	U	1	1	5.2	ug/Kg
75-00-3	Chloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.52	U	0.52	0.52	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	0.52	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
67-64-1	Acetone	57.6		2.6	2.6	25.8	ug/Kg
75-15-0	Carbon Disulfide	1.2	J	0.52	0.52	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.52	U	0.52	0.52	5.2	ug/Kg
79-20-9	Methyl Acetate	1	U	1	1	5.2	ug/Kg
75-09-2	Methylene Chloride	2.1	J	0.52	0.52	5.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	0.52	5.2	ug/Kg
78-93-3	2-Butanone	7.8	U	3.2	7.8	25.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.52	U	0.52	0.52	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
74-97-5	Bromochloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
67-66-3	Chloroform	0.52	U	0.52	0.52	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
108-87-2	Methylcyclohexane	0.52	U	0.52	0.52	5.2	ug/Kg
71-43-2	Benzene	0.52	U	0.39	0.52	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
79-01-6	Trichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.27	0.52	5.2	ug/Kg
75-27-4	Bromodichloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.6	U	2.6	2.6	25.8	ug/Kg
108-88-3	Toluene	0.52	U	0.52	0.52	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	0.52	5.2	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.3
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008866.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	0.52	5.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	1	U	0.93	1	5.2	ug/Kg
591-78-6	2-Hexanone	2.6	U	2.6	2.6	25.8	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	0.52	U	0.52	0.52	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
108-90-7	Chlorobenzene	0.52	U	0.52	0.52	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	0.52	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1	U	0.74	1	10.3	ug/Kg
95-47-6	o-Xylene	0.52	U	0.52	0.52	5.2	ug/Kg
100-42-5	Styrene	0.52	U	0.47	0.52	5.2	ug/Kg
75-25-2	Bromoform	1.6	U	0.76	1.6	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.52	U	0.5	0.52	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	0.48	0.52	5.2	ug/Kg
103-65-1	n-propylbenzene	0.52	U	0.37	0.52	5.2	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.52	U	0.47	0.52	5.2	ug/Kg
98-06-6	tert-Butylbenzene	0.52	U	0.52	0.52	5.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.52	U	0.52	0.52	5.2	ug/Kg
135-98-8	sec-Butylbenzene	4.1	J	0.52	0.52	5.2	ug/Kg
99-87-6	p-Isopropyltoluene	0.52	U	0.3	0.52	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.52	U	0.38	0.52	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.52	U	0.42	0.52	5.2	ug/Kg
104-51-8	n-Butylbenzene	0.52	U	0.48	0.52	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	0.52	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	0.9	5.2	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.52	U	0.52	0.52	5.2	ug/Kg
91-20-3	Naphthalene	0.52	U	0.47	0.52	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1	U	0.52	1	5.2	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.7		56 - 120		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		57 - 135		99%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.3
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008866.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	38.5		67 - 123		77%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		33 - 141		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	649968	7.43				
540-36-3	1,4-Difluorobenzene	971311	8.37				
3114-55-4	Chlorobenzene-d5	796146	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	462108	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:20
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
		% Solid:	72.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.162	U	1	0.043	0.162	0.324	mg/Kg	07/01/14	07/02/14 12:40	9012B
Hexavalent Chromium	0.488	J	1	0.108	0.271	0.542	mg/Kg	07/02/14	07/02/14 15:15	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	27.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010325.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	22.8	U	18.2	22.8	91.7	ug/Kg
120-36-5	DICHLORPROP	22.8	U	16.9	22.8	91.7	ug/Kg
94-75-7	2,4-D	22.8	U	22.8	22.8	91.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	22.8	U	14.9	22.8	91.7	ug/Kg
93-76-5	2,4,5-T	22.8	U	14	22.8	91.7	ug/Kg
94-82-6	2,4-DB	22.8	U	22.8	22.8	91.7	ug/Kg
88-85-7	DINOSEB	22.8	U	22.8	22.8	91.7	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	280		12 - 189		56%	SPK: 500

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	72.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.08	JN	1	0.668	1.49	2.98	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	1.44		1	0.394	0.596	1.19	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	167		1	0.477	2.98	5.96	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	5.08		1	0.072	0.179	0.358	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.384		1	0.072	0.179	0.358	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	102		1	0.155	0.298	0.596	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	47		1	0.68	0.895	1.79	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	14.3		1	0.382	0.596	1.19	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	16.2	N	1	0.143	0.358	0.716	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	596		1	0.227	0.596	1.19	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.014		1	0.007	0.007	0.013	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	80.8		1	0.549	1.19	2.39	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	2.16		1	0.489	0.596	1.19	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	1.77		1	0.179	0.298	0.596	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	1.19	U	1	0.322	1.19	2.39	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	49		1	0.704	1.19	2.39	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	191		1	0.835	1.19	2.39	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918		
Lab Sample ID:	F2918-03	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	27.1	Decanted:	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003680.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.6	U	4.6	4.6	23.3	ug/kg
11104-28-2	Aroclor-1221	4.6	U	4.6	4.6	23.3	ug/kg
11141-16-5	Aroclor-1232	4.6	U	4.6	4.6	23.3	ug/kg
53469-21-9	Aroclor-1242	4.6	U	4.6	4.6	23.3	ug/kg
12672-29-6	Aroclor-1248	4.6	U	4.6	4.6	23.3	ug/kg
11097-69-1	Aroclor-1254	4.6	U	2	4.6	23.3	ug/kg
11096-82-5	Aroclor-1260	4.6	U	4.6	4.6	23.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.8		10 - 166		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		60 - 125		83%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	27.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023219.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.452	U	0.178	0.452	2.3	ug/kg
319-85-7	beta-BHC	0.452	U	0.247	0.452	2.3	ug/kg
319-86-8	delta-BHC	0.452	U	0.137	0.452	2.3	ug/kg
58-89-9	gamma-BHC (Lindane)	0.452	U	0.206	0.452	2.3	ug/kg
76-44-8	Heptachlor	0.452	U	0.192	0.452	2.3	ug/kg
309-00-2	Aldrin	0.452	U	0.137	0.452	2.3	ug/kg
1024-57-3	Heptachlor epoxide	0.452	U	0.219	0.452	2.3	ug/kg
959-98-8	Endosulfan I	0.452	U	0.206	0.452	2.3	ug/kg
60-57-1	Dieldrin	0.452	U	0.178	0.452	2.3	ug/kg
72-55-9	4,4-DDE	0.452	U	0.274	0.452	2.3	ug/kg
72-20-8	Endrin	0.452	U	0.247	0.452	2.3	ug/kg
33213-65-9	Endosulfan II	0.452	U	0.192	0.452	2.3	ug/kg
72-54-8	4,4-DDD	0.452	U	0.233	0.452	2.3	ug/kg
1031-07-8	Endosulfan Sulfate	0.452	U	0.206	0.452	2.3	ug/kg
50-29-3	4,4-DDT	0.452	U	0.192	0.452	2.3	ug/kg
72-43-5	Methoxychlor	0.452	U	0.233	0.452	2.3	ug/kg
53494-70-5	Endrin ketone	0.452	U	0.178	0.452	2.3	ug/kg
7421-93-4	Endrin aldehyde	0.452	U	0.206	0.452	2.3	ug/kg
5103-71-9	alpha-Chlordane	0.452	U	0.192	0.452	2.3	ug/kg
5103-74-2	gamma-Chlordane	0.452	U	0.178	0.452	2.3	ug/kg
8001-35-2	Toxaphene	4.6	U	4.6	4.6	23.3	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.6		10 - 169		88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		31 - 151		106%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918		
Lab Sample ID:	F2918-03	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	27.1	Decanted:	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023219.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072268.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	45.6	U	23.8	45.6	450	ug/Kg
108-95-2	Phenol	45.6	U	10.5	45.6	450	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	45.6	U	21.9	45.6	450	ug/Kg
95-57-8	2-Chlorophenol	45.6	U	24.1	45.6	450	ug/Kg
95-48-7	2-Methylphenol	45.6	U	24.8	45.6	450	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.6	U	18.9	45.6	450	ug/Kg
98-86-2	Acetophenone	45.6	U	13.9	45.6	450	ug/Kg
65794-96-9	3+4-Methylphenols	45.6	U	23.7	45.6	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.6	U	23	45.6	450	ug/Kg
67-72-1	Hexachloroethane	45.6	U	20.4	45.6	450	ug/Kg
98-95-3	Nitrobenzene	45.6	U	17.2	45.6	450	ug/Kg
78-59-1	Isophorone	45.6	U	15	45.6	450	ug/Kg
88-75-5	2-Nitrophenol	45.6	U	22	45.6	450	ug/Kg
105-67-9	2,4-Dimethylphenol	45.6	U	25.8	45.6	450	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	45.6	U	26.3	45.6	450	ug/Kg
120-83-2	2,4-Dichlorophenol	45.6	U	17.4	45.6	450	ug/Kg
91-20-3	Naphthalene	45.6	U	15.7	45.6	450	ug/Kg
106-47-8	4-Chloroaniline	45.6	U	32.1	45.6	450	ug/Kg
87-68-3	Hexachlorobutadiene	45.6	U	16.5	45.6	450	ug/Kg
105-60-2	Caprolactam	91.2	U	21.2	91.2	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45.6	U	20.2	45.6	450	ug/Kg
91-57-6	2-Methylnaphthalene	45.6	U	11.5	45.6	450	ug/Kg
77-47-4	Hexachlorocyclopentadiene	45.6	U	11.1	45.6	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.6	U	13.9	45.6	450	ug/Kg
95-95-4	2,4,5-Trichlorophenol	45.6	U	32	45.6	450	ug/Kg
92-52-4	1,1-Biphenyl	45.6	U	17.2	45.6	450	ug/Kg
91-58-7	2-Chloronaphthalene	45.6	U	10.4	45.6	450	ug/Kg
88-74-4	2-Nitroaniline	45.6	U	20.2	45.6	450	ug/Kg
131-11-3	Dimethylphthalate	500		12.3	45.6	450	ug/Kg
208-96-8	Acenaphthylene	45.6	U	11.5	45.6	450	ug/Kg
606-20-2	2,6-Dinitrotoluene	45.6	U	18.6	45.6	450	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072268.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	91.2	U	29.3	91.2	450	ug/Kg
83-32-9	Acenaphthene	45.6	U	12.9	45.6	450	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	46.4	360	450	ug/Kg
100-02-7	4-Nitrophenol	230	U	84.7	230	450	ug/Kg
132-64-9	Dibenzofuran	45.6	U	17.8	45.6	450	ug/Kg
121-14-2	2,4-Dinitrotoluene	45.6	U	13.7	45.6	450	ug/Kg
84-66-2	Diethylphthalate	45.6	U	7.1	45.6	450	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	45.6	U	24.8	45.6	450	ug/Kg
86-73-7	Fluorene	45.6	U	17.2	45.6	450	ug/Kg
100-01-6	4-Nitroaniline	91.2	U	59.4	91.2	450	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	26.1	230	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	45.6	U	10.9	45.6	450	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45.6	U	8.9	45.6	450	ug/Kg
118-74-1	Hexachlorobenzene	45.6	U	18.6	45.6	450	ug/Kg
1912-24-9	Atrazine	45.6	U	24.1	45.6	450	ug/Kg
87-86-5	Pentachlorophenol	45.6	U	31.2	45.6	450	ug/Kg
85-01-8	Phenanthrene	45.6	U	12.3	45.6	450	ug/Kg
120-12-7	Anthracene	45.6	U	9.3	45.6	450	ug/Kg
86-74-8	Carbazole	45.6	U	10	45.6	450	ug/Kg
84-74-2	Di-n-butylphthalate	45.6	U	35.8	45.6	450	ug/Kg
206-44-0	Fluoranthene	45.6	U	9.2	45.6	450	ug/Kg
129-00-0	Pyrene	45.6	U	10.9	45.6	450	ug/Kg
85-68-7	Butylbenzylphthalate	45.6	U	21.9	45.6	450	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.6	U	29.3	45.6	450	ug/Kg
56-55-3	Benzo(a)anthracene	45.6	U	21.7	45.6	450	ug/Kg
218-01-9	Chrysene	45.6	U	20.7	45.6	450	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	45.6	U	16.1	45.6	450	ug/Kg
117-84-0	Di-n-octyl phthalate	45.6	U	5.2	45.6	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	45.6	U	14.9	45.6	450	ug/Kg
207-08-9	Benzo(k)fluoranthene	45.6	U	21.5	45.6	450	ug/Kg
50-32-8	Benzo(a)pyrene	45.6	U	9.8	45.6	450	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	45.6	U	15.2	45.6	450	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45.6	U	13.1	45.6	450	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072268.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	45.6	U	18.5	45.6	450	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	45.6	U	17.9	45.6	450	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.6	U	17.9	45.6	450	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	66.6		28 - 127		44%	SPK: 150
13127-88-3	Phenol-d6	69.1		34 - 127		46%	SPK: 150
4165-60-0	Nitrobenzene-d5	40		31 - 132		40%	SPK: 100
321-60-8	2-Fluorobiphenyl	33	*	39 - 123		33%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57		30 - 133		38%	SPK: 150
1718-51-0	Terphenyl-d14	28.3	*	37 - 115		28%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	42267		7.17			
1146-65-2	Naphthalene-d8	178873		8.73			
15067-26-2	Acenaphthene-d10	96941		10.91			
1517-22-2	Phenanthrene-d10	174064		12.73			
1719-03-5	Chrysene-d12	206418		16			
1520-96-3	Perylene-d12	201436		17.64			
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	11700	J			1.37	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	590	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	A			4.89	ug/Kg
	unknown6.87	2200	J			6.87	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.1
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008867.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.59	U	0.59	0.59	5.9	ug/Kg
74-87-3	Chloromethane	0.59	U	0.59	0.59	5.9	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	0.59	5.9	ug/Kg
74-83-9	Bromomethane	1.2	U	1.2	1.2	5.9	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	0.59	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	0.59	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.59	U	0.59	0.59	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.59	U	0.59	0.59	5.9	ug/Kg
67-64-1	Acetone	3	U	3	3	29.6	ug/Kg
75-15-0	Carbon Disulfide	0.59	U	0.59	0.59	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	0.59	5.9	ug/Kg
79-20-9	Methyl Acetate	1.2	U	1.2	1.2	5.9	ug/Kg
75-09-2	Methylene Chloride	0.59	U	0.59	0.59	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.59	U	0.59	0.59	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	0.59	5.9	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	0.59	5.9	ug/Kg
78-93-3	2-Butanone	8.9	U	3.7	8.9	29.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.59	U	0.59	0.59	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	0.59	5.9	ug/Kg
74-97-5	Bromochloromethane	0.59	U	0.59	0.59	5.9	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	0.59	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.59	U	0.59	0.59	5.9	ug/Kg
108-87-2	Methylcyclohexane	0.59	U	0.59	0.59	5.9	ug/Kg
71-43-2	Benzene	0.59	U	0.45	0.59	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	0.59	5.9	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	0.59	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	0.59	U	0.31	0.59	5.9	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	0.59	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3	U	3	3	29.6	ug/Kg
108-88-3	Toluene	0.59	U	0.59	0.59	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	0.59	5.9	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.1
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008867.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	0.59	5.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.2	U	1.1	1.2	5.9	ug/Kg
591-78-6	2-Hexanone	3	U	3	3	29.6	ug/Kg
124-48-1	Dibromochloromethane	0.59	U	0.59	0.59	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	0.59	U	0.59	0.59	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.59	U	0.59	0.59	5.9	ug/Kg
108-90-7	Chlorobenzene	0.59	U	0.59	0.59	5.9	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	0.59	5.9	ug/Kg
179601-23-1	m/p-Xylenes	1.2	U	0.85	1.2	11.8	ug/Kg
95-47-6	o-Xylene	0.59	U	0.59	0.59	5.9	ug/Kg
100-42-5	Styrene	0.59	U	0.53	0.59	5.9	ug/Kg
75-25-2	Bromoform	1.8	U	0.88	1.8	5.9	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.57	0.59	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	0.54	0.59	5.9	ug/Kg
103-65-1	n-propylbenzene	0.59	U	0.43	0.59	5.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.53	0.59	5.9	ug/Kg
98-06-6	tert-Butylbenzene	0.59	U	0.59	0.59	5.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.59	U	0.59	0.59	5.9	ug/Kg
135-98-8	sec-Butylbenzene	0.59	U	0.59	0.59	5.9	ug/Kg
99-87-6	p-Isopropyltoluene	0.59	U	0.34	0.59	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.59	U	0.44	0.59	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.59	U	0.49	0.59	5.9	ug/Kg
104-51-8	n-Butylbenzene	0.59	U	0.54	0.59	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	0.59	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	1	5.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.59	U	0.59	0.59	5.9	ug/Kg
91-20-3	Naphthalene	0.59	U	0.53	0.59	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	0.59	1.2	5.9	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	120	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40		56 - 120		80%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		57 - 135		104%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.1
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008867.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	24.4	*	67 - 123		49%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		33 - 141		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	735438	7.43				
540-36-3	1,4-Difluorobenzene	900488	8.37				
3114-55-4	Chlorobenzene-d5	560255	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	478627	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)RE	SDG No.:	F2918
Lab Sample ID:	F2918-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.1
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008915.D	1		07/02/14	VT070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.58	U	0.58	0.58	5.8	ug/Kg
74-87-3	Chloromethane	0.58	U	0.58	0.58	5.8	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	0.58	5.8	ug/Kg
74-83-9	Bromomethane	1.2	U	1.2	1.2	5.8	ug/Kg
75-00-3	Chloroethane	0.58	U	0.58	0.58	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.58	U	0.58	0.58	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.58	U	0.58	0.58	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.58	U	0.58	0.58	5.8	ug/Kg
67-64-1	Acetone	2.9	U	2.9	2.9	28.9	ug/Kg
75-15-0	Carbon Disulfide	0.58	U	0.58	0.58	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	0.58	5.8	ug/Kg
79-20-9	Methyl Acetate	1.2	U	1.2	1.2	5.8	ug/Kg
75-09-2	Methylene Chloride	0.58	U	0.58	0.58	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	0.58	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	0.58	5.8	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	0.58	5.8	ug/Kg
78-93-3	2-Butanone	8.7	U	3.6	8.7	28.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.58	U	0.58	0.58	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	0.58	5.8	ug/Kg
74-97-5	Bromochloromethane	0.58	U	0.58	0.58	5.8	ug/Kg
67-66-3	Chloroform	0.58	U	0.58	0.58	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.58	U	0.58	0.58	5.8	ug/Kg
108-87-2	Methylcyclohexane	0.58	U	0.58	0.58	5.8	ug/Kg
71-43-2	Benzene	0.58	U	0.44	0.58	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	0.58	5.8	ug/Kg
79-01-6	Trichloroethene	0.58	U	0.58	0.58	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	U	0.3	0.58	5.8	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	0.58	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.9	U	2.9	2.9	28.9	ug/Kg
108-88-3	Toluene	0.58	U	0.58	0.58	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	0.58	5.8	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)RE	SDG No.:	F2918
Lab Sample ID:	F2918-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.1
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008915.D	1		07/02/14	VT070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	0.58	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.2	U	1	1.2	5.8	ug/Kg
591-78-6	2-Hexanone	2.9	U	2.9	2.9	28.9	ug/Kg
124-48-1	Dibromochloromethane	0.58	U	0.58	0.58	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	0.58	U	0.58	0.58	5.8	ug/Kg
127-18-4	Tetrachloroethene	0.58	U	0.58	0.58	5.8	ug/Kg
108-90-7	Chlorobenzene	0.58	U	0.58	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	0.58	5.8	ug/Kg
179601-23-1	m/p-Xylenes	1.2	U	0.83	1.2	11.5	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	0.58	5.8	ug/Kg
100-42-5	Styrene	0.58	U	0.52	0.58	5.8	ug/Kg
75-25-2	Bromoform	1.7	U	0.85	1.7	5.8	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.55	0.58	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.58	U	0.53	0.58	5.8	ug/Kg
103-65-1	n-propylbenzene	0.58	U	0.42	0.58	5.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.58	U	0.52	0.58	5.8	ug/Kg
98-06-6	tert-Butylbenzene	0.58	U	0.58	0.58	5.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.58	U	0.58	0.58	5.8	ug/Kg
135-98-8	sec-Butylbenzene	0.58	U	0.58	0.58	5.8	ug/Kg
99-87-6	p-Isopropyltoluene	0.58	U	0.33	0.58	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.58	U	0.43	0.58	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.58	U	0.47	0.58	5.8	ug/Kg
104-51-8	n-Butylbenzene	0.58	U	0.53	0.58	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	0.58	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	1	5.8	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.58	U	0.58	0.58	5.8	ug/Kg
91-20-3	Naphthalene	0.58	U	0.52	0.58	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	0.58	1.2	5.8	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	120	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.9		56 - 120		86%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		57 - 135		104%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)RE	SDG No.:	F2918
Lab Sample ID:	F2918-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.1
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008915.D	1		07/02/14	VT070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	23.2	*	67 - 123		46%	SPK: 50
460-00-4	4-Bromofluorobenzene	44		33 - 141		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	735764	7.43				
540-36-3	1,4-Difluorobenzene	961378	8.37				
3114-55-4	Chlorobenzene-d5	569829	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	404664	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 12:10
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
		% Solid:	91.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.126	U	1	0.033	0.126	0.252	mg/Kg	07/01/14	07/02/14 12:40	9012B
Hexavalent Chromium	0.218	U	1	0.087	0.218	0.436	mg/Kg	07/02/14	07/02/14 15:16	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	8.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010328.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	18.3	U	14.6	18.3	73.5	ug/Kg
120-36-5	DICHLORPROP	18.3	U	13.5	18.3	73.5	ug/Kg
94-75-7	2,4-D	18.3	U	18.3	18.3	73.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	18.3	U	12	18.3	73.5	ug/Kg
93-76-5	2,4,5-T	18.3	U	11.2	18.3	73.5	ug/Kg
94-82-6	2,4-DB	18.3	U	18.3	18.3	73.5	ug/Kg
88-85-7	DINOSEB	18.3	U	18.3	18.3	73.5	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	308		12 - 189		62%	SPK: 500

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P = Indicates >25% difference for detected concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.16	UN	1	0.519	1.16	2.32	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	3.94		1	0.306	0.463	0.926	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	359		1	0.371	2.32	4.63	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.595		1	0.056	0.139	0.278	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.224	J	1	0.056	0.139	0.278	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	28.6		1	0.12	0.232	0.463	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	11		1	0.528	0.695	1.39	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	29.9		1	0.296	0.463	0.926	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	827	N	1	0.111	0.278	0.556	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	288		1	0.176	0.463	0.926	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.239		1	0.005	0.005	0.011	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	25		1	0.426	0.926	1.85	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	0.729	J	1	0.38	0.463	0.926	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.807		1	0.139	0.232	0.463	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.926	U	1	0.25	0.926	1.85	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	29.3		1	0.547	0.926	1.85	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	265		1	0.648	0.926	1.85	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
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 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	8.9
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003685.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.6	U	3.6	3.6	18.6	ug/kg
11104-28-2	Aroclor-1221	3.6	U	3.6	3.6	18.6	ug/kg
11141-16-5	Aroclor-1232	3.6	U	3.6	3.6	18.6	ug/kg
53469-21-9	Aroclor-1242	3.6	U	3.6	3.6	18.6	ug/kg
12672-29-6	Aroclor-1248	3.6	U	3.6	3.6	18.6	ug/kg
11097-69-1	Aroclor-1254	3.6	U	1.6	3.6	18.6	ug/kg
11096-82-5	Aroclor-1260	3.6	U	3.6	3.6	18.6	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18		10 - 166		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		60 - 125		71%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	8.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023220.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.362	U	0.142	0.362	1.9	ug/kg
319-85-7	beta-BHC	0.362	U	0.197	0.362	1.9	ug/kg
319-86-8	delta-BHC	0.362	U	0.11	0.362	1.9	ug/kg
58-89-9	gamma-BHC (Lindane)	0.362	U	0.164	0.362	1.9	ug/kg
76-44-8	Heptachlor	0.362	U	0.153	0.362	1.9	ug/kg
309-00-2	Aldrin	0.362	U	0.11	0.362	1.9	ug/kg
1024-57-3	Heptachlor epoxide	0.362	U	0.175	0.362	1.9	ug/kg
959-98-8	Endosulfan I	0.362	U	0.164	0.362	1.9	ug/kg
60-57-1	Dieldrin	0.362	U	0.142	0.362	1.9	ug/kg
72-55-9	4,4-DDE	0.362	U	0.219	0.362	1.9	ug/kg
72-20-8	Endrin	0.362	U	0.197	0.362	1.9	ug/kg
33213-65-9	Endosulfan II	0.362	U	0.153	0.362	1.9	ug/kg
72-54-8	4,4-DDD	0.362	U	0.186	0.362	1.9	ug/kg
1031-07-8	Endosulfan Sulfate	0.362	U	0.164	0.362	1.9	ug/kg
50-29-3	4,4-DDT	0.362	U	0.153	0.362	1.9	ug/kg
72-43-5	Methoxychlor	0.362	U	0.186	0.362	1.9	ug/kg
53494-70-5	Endrin ketone	0.362	U	0.142	0.362	1.9	ug/kg
7421-93-4	Endrin aldehyde	0.362	U	0.164	0.362	1.9	ug/kg
5103-71-9	alpha-Chlordane	0.362	U	0.153	0.362	1.9	ug/kg
5103-74-2	gamma-Chlordane	0.362	U	0.142	0.362	1.9	ug/kg
8001-35-2	Toxaphene	3.6	U	3.6	3.6	18.6	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.5		10 - 169		82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		31 - 151		104%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918		
Lab Sample ID:	F2918-04	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	8.9	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023220.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072267.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	36.6	U	19.1	36.6	360	ug/Kg
108-95-2	Phenol	36.6	U	8.4	36.6	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	36.6	U	17.6	36.6	360	ug/Kg
95-57-8	2-Chlorophenol	36.6	U	19.3	36.6	360	ug/Kg
95-48-7	2-Methylphenol	36.6	U	19.9	36.6	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	36.6	U	15.1	36.6	360	ug/Kg
98-86-2	Acetophenone	36.6	U	11.2	36.6	360	ug/Kg
65794-96-9	3+4-Methylphenols	36.6	U	19	36.6	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	36.6	U	18.4	36.6	360	ug/Kg
67-72-1	Hexachloroethane	36.6	U	16.4	36.6	360	ug/Kg
98-95-3	Nitrobenzene	36.6	U	13.8	36.6	360	ug/Kg
78-59-1	Isophorone	36.6	U	12.1	36.6	360	ug/Kg
88-75-5	2-Nitrophenol	36.6	U	17.7	36.6	360	ug/Kg
105-67-9	2,4-Dimethylphenol	36.6	U	20.7	36.6	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.6	U	21.1	36.6	360	ug/Kg
120-83-2	2,4-Dichlorophenol	36.6	U	13.9	36.6	360	ug/Kg
91-20-3	Naphthalene	36.6	U	12.6	36.6	360	ug/Kg
106-47-8	4-Chloroaniline	36.6	U	25.8	36.6	360	ug/Kg
87-68-3	Hexachlorobutadiene	36.6	U	13.3	36.6	360	ug/Kg
105-60-2	Caprolactam	73.2	U	17	73.2	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	36.6	U	16.2	36.6	360	ug/Kg
91-57-6	2-Methylnaphthalene	36.6	U	9.2	36.6	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	36.6	U	8.9	36.6	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	36.6	U	11.2	36.6	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	36.6	U	25.7	36.6	360	ug/Kg
92-52-4	1,1-Biphenyl	36.6	U	13.8	36.6	360	ug/Kg
91-58-7	2-Chloronaphthalene	36.6	U	8.3	36.6	360	ug/Kg
88-74-4	2-Nitroaniline	36.6	U	16.2	36.6	360	ug/Kg
131-11-3	Dimethylphthalate	610		9.9	36.6	360	ug/Kg
208-96-8	Acenaphthylene	36.6	U	9.2	36.6	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.6	U	14.9	36.6	360	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072267.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	73.2	U	23.5	73.2	360	ug/Kg
83-32-9	Acenaphthene	36.6	U	10.3	36.6	360	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	37.2	290	360	ug/Kg
100-02-7	4-Nitrophenol	180	U	67.9	180	360	ug/Kg
132-64-9	Dibenzofuran	36.6	U	14.3	36.6	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	36.6	U	11	36.6	360	ug/Kg
84-66-2	Diethylphthalate	36.6	U	5.7	36.6	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	36.6	U	19.9	36.6	360	ug/Kg
86-73-7	Fluorene	36.6	U	13.8	36.6	360	ug/Kg
100-01-6	4-Nitroaniline	73.2	U	47.6	73.2	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	21	180	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.6	U	8.8	36.6	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	36.6	U	7.1	36.6	360	ug/Kg
118-74-1	Hexachlorobenzene	36.6	U	14.9	36.6	360	ug/Kg
1912-24-9	Atrazine	36.6	U	19.3	36.6	360	ug/Kg
87-86-5	Pentachlorophenol	36.6	U	25	36.6	360	ug/Kg
85-01-8	Phenanthrene	110	J	9.9	36.6	360	ug/Kg
120-12-7	Anthracene	36.6	U	7.5	36.6	360	ug/Kg
86-74-8	Carbazole	36.6	U	8	36.6	360	ug/Kg
84-74-2	Di-n-butylphthalate	36.6	U	28.8	36.6	360	ug/Kg
206-44-0	Fluoranthene	140	J	7.4	36.6	360	ug/Kg
129-00-0	Pyrene	92.2	J	8.8	36.6	360	ug/Kg
85-68-7	Butylbenzylphthalate	36.6	U	17.6	36.6	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.6	U	23.5	36.6	360	ug/Kg
56-55-3	Benzo(a)anthracene	36.6	U	17.4	36.6	360	ug/Kg
218-01-9	Chrysene	36.6	U	16.6	36.6	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	36.6	U	12.9	36.6	360	ug/Kg
117-84-0	Di-n-octyl phthalate	36.6	U	4.2	36.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	36.6	U	12	36.6	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	36.6	U	17.2	36.6	360	ug/Kg
50-32-8	Benzo(a)pyrene	36.6	U	7.9	36.6	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	36.6	U	12.2	36.6	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	36.6	U	10.5	36.6	360	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072267.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	36.6	U	14.8	36.6	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	36.6	U	14.4	36.6	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36.6	U	14.4	36.6	360	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		75%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.2		31 - 132		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.1		39 - 123		60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.7		30 - 133		66%	SPK: 150
1718-51-0	Terphenyl-d14	50.1		37 - 115		50%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37616	7.16				
1146-65-2	Naphthalene-d8	157688	8.73				
15067-26-2	Acenaphthene-d10	84933	10.9				
1517-22-2	Phenanthrene-d10	157663	12.73				
1719-03-5	Chrysene-d12	202510	16				
1520-96-3	Perylene-d12	190650	17.65				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	14600	J			1.37	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	840	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	400	A			4.89	ug/Kg
	unknown6.87	2900	J			6.87	ug/Kg
000112-37-8	Undecanoic acid	170	J			13.48	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	91.1	J			14.59	ug/Kg
074685-33-9	3-Eicosene, (E)-	240	J			15.91	ug/Kg
000192-97-2	Benzo[e]pyrene	110	J			17.24	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072267.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008868.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.47	U	0.47	0.47	4.7	ug/Kg
74-87-3	Chloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
75-01-4	Vinyl Chloride	0.47	U	0.47	0.47	4.7	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	0.94	4.7	ug/Kg
75-00-3	Chloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.47	U	0.47	0.47	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.47	U	0.47	0.47	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
67-64-1	Acetone	8.7	J	2.4	2.4	23.6	ug/Kg
75-15-0	Carbon Disulfide	0.47	U	0.47	0.47	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.47	U	0.47	0.47	4.7	ug/Kg
79-20-9	Methyl Acetate	0.94	U	0.94	0.94	4.7	ug/Kg
75-09-2	Methylene Chloride	0.47	U	0.47	0.47	4.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	0.47	4.7	ug/Kg
78-93-3	2-Butanone	7.1	U	2.9	7.1	23.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	0.47	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
74-97-5	Bromochloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
67-66-3	Chloroform	0.47	U	0.47	0.47	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	0.47	4.7	ug/Kg
71-43-2	Benzene	0.47	U	0.36	0.47	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
79-01-6	Trichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	0.47	U	0.25	0.47	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.4	U	2.4	2.4	23.6	ug/Kg
108-88-3	Toluene	0.47	U	0.47	0.47	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	0.47	4.7	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008868.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	0.47	4.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.85	0.94	4.7	ug/Kg
591-78-6	2-Hexanone	2.4	U	2.4	2.4	23.6	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	0.47	0.47	4.7	ug/Kg
127-18-4	Tetrachloroethene	1.1	J	0.47	0.47	4.7	ug/Kg
108-90-7	Chlorobenzene	0.47	U	0.47	0.47	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.47	U	0.47	0.47	4.7	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.68	0.94	9.4	ug/Kg
95-47-6	o-Xylene	0.47	U	0.47	0.47	4.7	ug/Kg
100-42-5	Styrene	0.47	U	0.42	0.47	4.7	ug/Kg
75-25-2	Bromoform	1.4	U	0.7	1.4	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.47	U	0.45	0.47	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.47	U	0.43	0.47	4.7	ug/Kg
103-65-1	n-propylbenzene	0.47	U	0.34	0.47	4.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.47	U	0.42	0.47	4.7	ug/Kg
98-06-6	tert-Butylbenzene	0.47	U	0.47	0.47	4.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.47	U	0.47	0.47	4.7	ug/Kg
135-98-8	sec-Butylbenzene	0.47	U	0.47	0.47	4.7	ug/Kg
99-87-6	p-Isopropyltoluene	0.47	U	0.27	0.47	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.47	U	0.35	0.47	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.47	U	0.39	0.47	4.7	ug/Kg
104-51-8	n-Butylbenzene	0.47	U	0.43	0.47	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	0.47	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.7	U	0.82	4.7	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.47	U	0.47	0.47	4.7	ug/Kg
91-20-3	Naphthalene	1	J	0.42	0.47	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.94	U	0.47	0.94	4.7	ug/Kg
123-91-1	1,4-Dioxane	94.3	U	94.3	94.3	94.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	38.9		56 - 120		78%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		57 - 135		91%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008868.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	35.1		67 - 123		70%	SPK: 50
460-00-4	4-Bromofluorobenzene	17.7		33 - 141		35%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	604344	7.42				
540-36-3	1,4-Difluorobenzene	879009	8.37				
3114-55-4	Chlorobenzene-d5	535790	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	116276	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)RE	SDG No.:	F2918
Lab Sample ID:	F2918-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008916.D	1		07/02/14	VT070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	0.44	4.4	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-01-4	Vinyl Chloride	0.44	U	0.44	0.44	4.4	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	0.88	4.4	ug/Kg
75-00-3	Chloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.44	U	0.44	0.44	4.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
67-64-1	Acetone	4.9	J	2.2	2.2	21.9	ug/Kg
75-15-0	Carbon Disulfide	0.44	U	0.44	0.44	4.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.44	U	0.44	0.44	4.4	ug/Kg
79-20-9	Methyl Acetate	0.88	U	0.88	0.88	4.4	ug/Kg
75-09-2	Methylene Chloride	0.44	U	0.44	0.44	4.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
110-82-7	Cyclohexane	0.44	U	0.44	0.44	4.4	ug/Kg
78-93-3	2-Butanone	6.6	U	2.7	6.6	21.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.44	U	0.44	0.44	4.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
74-97-5	Bromochloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
67-66-3	Chloroform	0.44	U	0.44	0.44	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
108-87-2	Methylcyclohexane	0.44	U	0.44	0.44	4.4	ug/Kg
71-43-2	Benzene	0.44	U	0.33	0.44	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
79-01-6	Trichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.44	U	0.23	0.44	4.4	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.2	U	2.2	2.2	21.9	ug/Kg
108-88-3	Toluene	0.44	U	0.44	0.44	4.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	0.44	4.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)RE	SDG No.:	F2918
Lab Sample ID:	F2918-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008916.D	1		07/02/14	VT070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	0.44	4.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.88	U	0.79	0.88	4.4	ug/Kg
591-78-6	2-Hexanone	2.2	U	2.2	2.2	21.9	ug/Kg
124-48-1	Dibromochloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.44	U	0.44	0.44	4.4	ug/Kg
127-18-4	Tetrachloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
108-90-7	Chlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	0.44	4.4	ug/Kg
179601-23-1	m/p-Xylenes	0.88	U	0.63	0.88	8.8	ug/Kg
95-47-6	o-Xylene	0.44	U	0.44	0.44	4.4	ug/Kg
100-42-5	Styrene	0.44	U	0.39	0.44	4.4	ug/Kg
75-25-2	Bromoform	1.3	U	0.65	1.3	4.4	ug/Kg
98-82-8	Isopropylbenzene	0.44	U	0.42	0.44	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.4	0.44	4.4	ug/Kg
103-65-1	n-propylbenzene	0.44	U	0.32	0.44	4.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.44	U	0.39	0.44	4.4	ug/Kg
98-06-6	tert-Butylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
135-98-8	sec-Butylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.44	U	0.25	0.44	4.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.44	U	0.32	0.44	4.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	0.36	0.44	4.4	ug/Kg
104-51-8	n-Butylbenzene	0.44	U	0.4	0.44	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	0.76	4.4	4.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
91-20-3	Naphthalene	0.44	U	0.39	0.44	4.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.44	0.88	4.4	ug/Kg
123-91-1	1,4-Dioxane	87.5	U	87.5	87.5	87.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	38.7		56 - 120		77%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		57 - 135		89%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)RE	SDG No.:	F2918
Lab Sample ID:	F2918-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008916.D	1		07/02/14	VT070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	36.7		67 - 123		73%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.1		33 - 141		42%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	540081	7.43				
540-36-3	1,4-Difluorobenzene	739764	8.37				
3114-55-4	Chlorobenzene-d5	474876	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	132967	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.53	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.42	J	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	31.3		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.11	J	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.24	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	9.9	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	7.7		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	5.4	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	31.4		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	532		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	27.6	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	15.5		1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.54	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.19	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	0.35	J	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	159	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC017829.D	1	07/01/14	07/02/14	PB77540

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.101	U	0.097	0.101	0.505	ug/L
11104-28-2	Aroclor-1221	0.101	U	0.101	0.101	0.505	ug/L
11141-16-5	Aroclor-1232	0.101	U	0.101	0.101	0.505	ug/L
53469-21-9	Aroclor-1242	0.101	U	0.09	0.101	0.505	ug/L
12672-29-6	Aroclor-1248	0.101	U	0.101	0.101	0.505	ug/L
11097-69-1	Aroclor-1254	0.101	U	0.044	0.101	0.505	ug/L
11096-82-5	Aroclor-1260	0.101	U	0.082	0.101	0.505	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	13.7		35 - 137		68%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		40 - 135		71%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072272.D	1	07/01/14	07/03/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.79	1	10.2	ug/L
108-95-2	Phenol	1	U	0.21	1	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.56	1	10.2	ug/L
95-57-8	2-Chlorophenol	1	U	0.55	1	10.2	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10.2	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10.2	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.39	1	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10.2	ug/L
67-72-1	Hexachloroethane	1	U	0.26	1	10.2	ug/L
98-95-3	Nitrobenzene	1	U	0.69	1	10.2	ug/L
78-59-1	Isophorone	1	U	0.31	1	10.2	ug/L
88-75-5	2-Nitrophenol	1	U	0.53	1	10.2	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.72	1	10.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.56	1	10.2	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.67	1	10.2	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10.2	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10.2	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.26	1	10.2	ug/L
105-60-2	Caprolactam	1	U	1	1	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.41	1	10.2	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.33	1	10.2	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.57	1	10.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.41	1	10.2	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10.2	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10.2	ug/L
88-74-4	2-Nitroaniline	1	U	0.5	1	10.2	ug/L
131-11-3	Dimethylphthalate	3.8	J	0.22	1	10.2	ug/L
208-96-8	Acenaphthylene	1	U	0.71	1	10.2	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.33	1	10.2	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072272.D	1	07/01/14	07/03/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10.2	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10.2	ug/L
51-28-5	2,4-Dinitrophenol	8.2	U	2.1	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	5.1	U	2	5.1	10.2	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10.2	ug/L
84-66-2	Diethylphthalate	1	U	0.39	1	10.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10.2	ug/L
86-73-7	Fluorene	1	U	0.32	1	10.2	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.76	2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.61	1	10.2	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10.2	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10.2	ug/L
1912-24-9	Atrazine	1	U	0.41	1	10.2	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10.2	ug/L
85-01-8	Phenanthrene	1	U	0.27	1	10.2	ug/L
120-12-7	Anthracene	1	U	0.16	1	10.2	ug/L
86-74-8	Carbazole	1	U	0.22	1	10.2	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10.2	ug/L
206-44-0	Fluoranthene	1	U	0.41	1	10.2	ug/L
129-00-0	Pyrene	1	U	0.2	1	10.2	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10.2	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10.2	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10.2	ug/L
218-01-9	Chrysene	1	U	0.18	1	10.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10.2	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.52	1	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.3	1	10.2	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10.2	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.43	1	10.2	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072272.D	1	07/01/14	07/03/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.3	1	10.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	60.1		10 - 130		40%	SPK: 150
13127-88-3	Phenol-d6	36.2		10 - 130		24%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.8		36 - 131		83%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		39 - 131		78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		25 - 155		88%	SPK: 150
1718-51-0	Terphenyl-d14	81.6		23 - 130		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43171		7.16			
1146-65-2	Naphthalene-d8	185547		8.73			
15067-26-2	Acenaphthene-d10	97736		10.9			
1517-22-2	Phenanthrene-d10	178449		12.73			
1719-03-5	Chrysene-d12	204975		16			
1520-96-3	Perylene-d12	188317		17.64			
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	84.2	J			1.65	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.7	A			4.89	ug/L
	unknown6.87	78.1	J			6.87	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	3.9	J			8.66	ug/L
000143-07-7	Dodecanoic acid	3.4	J			13.48	ug/L
000544-63-8	Tetradecanoic acid	2.6	J			14.46	ug/L
052078-56-5	11-Tricosene	3.5	J			15.91	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016999.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1.6		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016999.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		69 - 133		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016999.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.9		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.5		58 - 135		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	234303	7.87				
540-36-3	1,4-Difluorobenzene	386245	8.79				
3114-55-4	Chlorobenzene-d5	416812	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	191399	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.51	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	2.3		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	735		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	1.1		1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	1	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	37.7	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	44.6		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	43.3	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	521		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	3340		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.955		1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	54.5	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	4	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	1.1		1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.68	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	28.6		1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	396	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC017830.D	1	07/01/14	07/02/14	PB77540

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.102	U	0.098	0.102	0.51	ug/L
11104-28-2	Aroclor-1221	0.102	U	0.102	0.102	0.51	ug/L
11141-16-5	Aroclor-1232	0.102	U	0.102	0.102	0.51	ug/L
53469-21-9	Aroclor-1242	0.102	U	0.091	0.102	0.51	ug/L
12672-29-6	Aroclor-1248	0.102	U	0.102	0.102	0.51	ug/L
11097-69-1	Aroclor-1254	0.102	U	0.045	0.102	0.51	ug/L
11096-82-5	Aroclor-1260	0.102	U	0.083	0.102	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	13.6		35 - 137		68%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		40 - 135		79%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086578.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.77	1	10	ug/L
108-95-2	Phenol	1	U	0.21	1	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.55	1	10	ug/L
95-57-8	2-Chlorophenol	1	U	0.54	1	10	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.38	1	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10	ug/L
67-72-1	Hexachloroethane	1	U	0.25	1	10	ug/L
98-95-3	Nitrobenzene	1	U	0.68	1	10	ug/L
78-59-1	Isophorone	1	U	0.3	1	10	ug/L
88-75-5	2-Nitrophenol	1	U	0.52	1	10	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.71	1	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.55	1	10	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.66	1	10	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.25	1	10	ug/L
105-60-2	Caprolactam	1	U	1	1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.4	1	10	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.32	1	10	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.56	1	10	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.4	1	10	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10	ug/L
88-74-4	2-Nitroaniline	1	U	0.49	1	10	ug/L
131-11-3	Dimethylphthalate	4.4	J	0.22	1	10	ug/L
208-96-8	Acenaphthylene	1	U	0.7	1	10	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.32	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086578.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10	ug/L
51-28-5	2,4-Dinitrophenol	8	U	2.1	8	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10	ug/L
84-66-2	Diethylphthalate	1	U	0.38	1	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10	ug/L
86-73-7	Fluorene	1	U	0.31	1	10	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.74	2	10	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.6	1	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10	ug/L
1912-24-9	Atrazine	1	U	0.4	1	10	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10	ug/L
85-01-8	Phenanthrene	1	U	0.26	1	10	ug/L
120-12-7	Anthracene	1	U	0.16	1	10	ug/L
86-74-8	Carbazole	1	U	0.22	1	10	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10	ug/L
206-44-0	Fluoranthene	1	U	0.4	1	10	ug/L
129-00-0	Pyrene	1	U	0.2	1	10	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10	ug/L
218-01-9	Chrysene	1	U	0.18	1	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.51	1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.29	1	10	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.42	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086578.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.29	1	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	73		10 - 130		49%	SPK: 150
13127-88-3	Phenol-d6	49.3		10 - 130		33%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		36 - 131		99%	SPK: 100
321-60-8	2-Fluorobiphenyl	92		39 - 131		92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155		95%	SPK: 150
1718-51-0	Terphenyl-d14	94.3		23 - 130		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	220396	6.77				
1146-65-2	Naphthalene-d8	950019	8.33				
15067-26-2	Acenaphthene-d10	469923	10.47				
1517-22-2	Phenanthrene-d10	702860	12.28				
1719-03-5	Chrysene-d12	551607	15.5				
1520-96-3	Perylene-d12	435884	17.11				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	96.6	J			1.51	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.8	A			4.44	ug/L
	unknown6.48	83.1	J			6.48	ug/L
000057-10-3	n-Hexadecanoic acid	2.7	J			13.05	ug/L
007683-64-9	Squalene	2.7	J			16.67	ug/L
000215-58-7	Benzo[b]triphenylene	2.5	J			18.22	ug/L

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MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017000.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017000.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		69 - 133		89%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
		Final Vol:	5000
		Test:	VOCMS Group1
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017000.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.5		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.8		58 - 135		122%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	225807	7.87				
540-36-3	1,4-Difluorobenzene	370237	8.79				
3114-55-4	Chlorobenzene-d5	408521	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	191065	13.56				

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 14:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
		% Solid:	86.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.134	U	1	0.035	0.134	0.267	mg/Kg	07/01/14	07/02/14 12:40	9012B
Hexavalent Chromium	0.36	J	1	0.09	0.226	0.451	mg/Kg	07/02/14	07/02/14 15:16	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918		
Lab Sample ID:	F2918-07	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012013.D	1	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	4790		958	960	1920	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	14.2		37 - 130		71%	SPK: 20

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918		
Lab Sample ID:	F2918-07	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	5.01	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004524.D	1		07/08/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	26	J	14	26	52	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	15.4		50 - 150		77%	SPK: 20

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	13.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010329.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.2	U	15.3	19.2	77.1	ug/Kg
120-36-5	DICHLORPROP	19.2	U	14.2	19.2	77.1	ug/Kg
94-75-7	2,4-D	19.2	U	19.2	19.2	77.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.2	U	12.6	19.2	77.1	ug/Kg
93-76-5	2,4,5-T	19.2	U	11.8	19.2	77.1	ug/Kg
94-82-6	2,4-DB	19.2	U	19.2	19.2	77.1	ug/Kg
88-85-7	DINOSEB	19.2	U	19.2	19.2	77.1	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	298		12 - 189		60%	SPK: 500

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LOD = Limit of Detection

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.22	UN	1	0.547	1.22	2.44	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	3.46		1	0.323	0.489	0.977	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	113		1	0.391	2.44	4.89	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.526		1	0.059	0.147	0.293	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.147	U	1	0.059	0.147	0.293	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	20.9		1	0.127	0.244	0.489	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	9.88		1	0.557	0.733	1.47	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	26.2		1	0.313	0.489	0.977	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	71.1	N	1	0.117	0.293	0.586	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	184		1	0.186	0.489	0.977	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.118		1	0.005	0.005	0.01	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	19.8		1	0.45	0.977	1.95	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	0.877	J	1	0.401	0.489	0.977	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.746		1	0.147	0.244	0.489	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.977	U	1	0.264	0.977	1.95	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	25.7		1	0.577	0.977	1.95	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	109		1	0.684	0.977	1.95	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918		
Lab Sample ID:	F2918-07	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003686.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.8	U	3.8	3.8	19.6	ug/kg
11104-28-2	Aroclor-1221	3.8	U	3.8	3.8	19.6	ug/kg
11141-16-5	Aroclor-1232	3.8	U	3.8	3.8	19.6	ug/kg
53469-21-9	Aroclor-1242	3.8	U	3.8	3.8	19.6	ug/kg
12672-29-6	Aroclor-1248	3.8	U	3.8	3.8	19.6	ug/kg
11097-69-1	Aroclor-1254	3.8	U	1.7	3.8	19.6	ug/kg
11096-82-5	Aroclor-1260	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.8		10 - 166		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.1		60 - 125		76%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918		
Lab Sample ID:	F2918-07	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023221.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.38	U	0.15	0.38	2	ug/kg
319-85-7	beta-BHC	0.38	U	0.208	0.38	2	ug/kg
319-86-8	delta-BHC	0.38	U	0.115	0.38	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.38	U	0.173	0.38	2	ug/kg
76-44-8	Heptachlor	0.38	U	0.161	0.38	2	ug/kg
309-00-2	Aldrin	0.38	U	0.115	0.38	2	ug/kg
1024-57-3	Heptachlor epoxide	0.38	U	0.184	0.38	2	ug/kg
959-98-8	Endosulfan I	0.38	U	0.173	0.38	2	ug/kg
60-57-1	Dieldrin	0.38	U	0.15	0.38	2	ug/kg
72-55-9	4,4-DDE	0.38	U	0.231	0.38	2	ug/kg
72-20-8	Endrin	0.38	U	0.208	0.38	2	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.161	0.38	2	ug/kg
72-54-8	4,4-DDD	0.38	U	0.196	0.38	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.38	U	0.173	0.38	2	ug/kg
50-29-3	4,4-DDT	0.38	U	0.161	0.38	2	ug/kg
72-43-5	Methoxychlor	0.38	U	0.196	0.38	2	ug/kg
53494-70-5	Endrin ketone	0.38	U	0.15	0.38	2	ug/kg
7421-93-4	Endrin aldehyde	0.38	U	0.173	0.38	2	ug/kg
5103-71-9	alpha-Chlordane	0.38	U	0.161	0.38	2	ug/kg
5103-74-2	gamma-Chlordane	0.38	U	0.15	0.38	2	ug/kg
8001-35-2	Toxaphene	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.3		10 - 169		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.8		31 - 151		119%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918		
Lab Sample ID:	F2918-07	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023221.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

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E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072273.D	1	07/01/14	07/03/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	38.4	U	20	38.4	380	ug/Kg
108-95-2	Phenol	38.4	U	8.9	38.4	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.4	U	18.4	38.4	380	ug/Kg
95-57-8	2-Chlorophenol	38.4	U	20.3	38.4	380	ug/Kg
95-48-7	2-Methylphenol	38.4	U	20.8	38.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.4	U	15.9	38.4	380	ug/Kg
98-86-2	Acetophenone	38.4	U	11.7	38.4	380	ug/Kg
65794-96-9	3+4-Methylphenols	38.4	U	19.9	38.4	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.4	U	19.3	38.4	380	ug/Kg
67-72-1	Hexachloroethane	38.4	U	17.1	38.4	380	ug/Kg
98-95-3	Nitrobenzene	38.4	U	14.5	38.4	380	ug/Kg
78-59-1	Isophorone	38.4	U	12.7	38.4	380	ug/Kg
88-75-5	2-Nitrophenol	38.4	U	18.5	38.4	380	ug/Kg
105-67-9	2,4-Dimethylphenol	38.4	U	21.7	38.4	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.4	U	22.1	38.4	380	ug/Kg
120-83-2	2,4-Dichlorophenol	38.4	U	14.6	38.4	380	ug/Kg
91-20-3	Naphthalene	38.4	U	13.2	38.4	380	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	27	38.4	380	ug/Kg
87-68-3	Hexachlorobutadiene	38.4	U	13.9	38.4	380	ug/Kg
105-60-2	Caprolactam	76.7	U	17.8	76.7	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	38.4	U	17	38.4	380	ug/Kg
91-57-6	2-Methylnaphthalene	38.4	U	9.7	38.4	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	38.4	U	9.3	38.4	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	38.4	U	11.7	38.4	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.4	U	26.9	38.4	380	ug/Kg
92-52-4	1,1-Biphenyl	38.4	U	14.5	38.4	380	ug/Kg
91-58-7	2-Chloronaphthalene	38.4	U	8.7	38.4	380	ug/Kg
88-74-4	2-Nitroaniline	38.4	U	17	38.4	380	ug/Kg
131-11-3	Dimethylphthalate	860		10.4	38.4	380	ug/Kg
208-96-8	Acenaphthylene	38.4	U	9.7	38.4	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.4	U	15.6	38.4	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072273.D	1	07/01/14	07/03/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	76.7	U	24.6	76.7	380	ug/Kg
83-32-9	Acenaphthene	38.4	U	10.8	38.4	380	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	39	310	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	71.2	190	380	ug/Kg
132-64-9	Dibenzofuran	38.4	U	15	38.4	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	38.4	U	11.5	38.4	380	ug/Kg
84-66-2	Diethylphthalate	38.4	U	6	38.4	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	38.4	U	20.8	38.4	380	ug/Kg
86-73-7	Fluorene	38.4	U	14.5	38.4	380	ug/Kg
100-01-6	4-Nitroaniline	76.7	U	49.9	76.7	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	22	190	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.4	U	9.2	38.4	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38.4	U	7.5	38.4	380	ug/Kg
118-74-1	Hexachlorobenzene	38.4	U	15.6	38.4	380	ug/Kg
1912-24-9	Atrazine	38.4	U	20.3	38.4	380	ug/Kg
87-86-5	Pentachlorophenol	38.4	U	26.2	38.4	380	ug/Kg
85-01-8	Phenanthrene	38.4	U	10.4	38.4	380	ug/Kg
120-12-7	Anthracene	38.4	U	7.8	38.4	380	ug/Kg
86-74-8	Carbazole	38.4	U	8.4	38.4	380	ug/Kg
84-74-2	Di-n-butylphthalate	38.4	U	30.1	38.4	380	ug/Kg
206-44-0	Fluoranthene	38.4	U	7.7	38.4	380	ug/Kg
129-00-0	Pyrene	38.4	U	9.2	38.4	380	ug/Kg
85-68-7	Butylbenzylphthalate	38.4	U	18.4	38.4	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.4	U	24.6	38.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	38.4	U	18.3	38.4	380	ug/Kg
218-01-9	Chrysene	38.4	U	17.4	38.4	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	13.6	38.4	380	ug/Kg
117-84-0	Di-n-octyl phthalate	38.4	U	4.4	38.4	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	38.4	U	12.5	38.4	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	38.4	U	18.1	38.4	380	ug/Kg
50-32-8	Benzo(a)pyrene	38.4	U	8.3	38.4	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	38.4	U	12.8	38.4	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38.4	U	11	38.4	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072273.D	1	07/01/14	07/03/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	38.4	U	15.5	38.4	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38.4	U	15.1	38.4	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38.4	U	15.1	38.4	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		79%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		31 - 132		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.5		39 - 123		63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		74%	SPK: 150
1718-51-0	Terphenyl-d14	58.8		37 - 115		59%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43103	7.16				
1146-65-2	Naphthalene-d8	178444	8.73				
15067-26-2	Acenaphthene-d10	96137	10.91				
1517-22-2	Phenanthrene-d10	169465	12.73				
1719-03-5	Chrysene-d12	208385	15.99				
1520-96-3	Perylene-d12	189446	17.64				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	13800	J			1.38	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	450	A			4.89	ug/Kg
	unknown6.87	3400	J			6.87	ug/Kg
000621-42-1	Metacetamol	140	J			10.28	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J			13.48	ug/Kg
074685-29-3	9-Eicosene, (E)-	480	J			14.12	ug/Kg
096168-15-9	4,8,12,16-Tetramethylheptadecan-4-	110	J			15.34	ug/Kg
001599-67-3	1-Docosene	460	J			15.91	ug/Kg
079107-80-5	Phthalic acid, 2-hexyl ester	130	J			17.16	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072273.D	1	07/01/14	07/03/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	6.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008937.D	1		07/02/14	VT070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	0.44	4.4	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-01-4	Vinyl Chloride	0.44	U	0.44	0.44	4.4	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	0.88	4.4	ug/Kg
75-00-3	Chloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.44	U	0.44	0.44	4.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.44	U	0.44	0.44	4.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
67-64-1	Acetone	6.2	J	2.2	2.2	22.1	ug/Kg
75-15-0	Carbon Disulfide	0.44	U	0.44	0.44	4.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.44	U	0.44	0.44	4.4	ug/Kg
79-20-9	Methyl Acetate	0.88	U	0.88	0.88	4.4	ug/Kg
75-09-2	Methylene Chloride	0.44	U	0.44	0.44	4.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
110-82-7	Cyclohexane	0.44	U	0.44	0.44	4.4	ug/Kg
78-93-3	2-Butanone	6.6	U	2.7	6.6	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.44	U	0.44	0.44	4.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
74-97-5	Bromochloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
67-66-3	Chloroform	0.44	U	0.44	0.44	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
108-87-2	Methylcyclohexane	0.44	U	0.44	0.44	4.4	ug/Kg
71-43-2	Benzene	0.44	U	0.34	0.44	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.44	U	0.44	0.44	4.4	ug/Kg
79-01-6	Trichloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.44	U	0.23	0.44	4.4	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.2	U	2.2	2.2	22.1	ug/Kg
108-88-3	Toluene	0.44	U	0.44	0.44	4.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	0.44	4.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	6.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008937.D	1		07/02/14	VT070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	0.44	4.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.88	U	0.79	0.88	4.4	ug/Kg
591-78-6	2-Hexanone	2.2	U	2.2	2.2	22.1	ug/Kg
124-48-1	Dibromochloromethane	0.44	U	0.44	0.44	4.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.44	U	0.44	0.44	4.4	ug/Kg
127-18-4	Tetrachloroethene	0.44	U	0.44	0.44	4.4	ug/Kg
108-90-7	Chlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	0.44	4.4	ug/Kg
179601-23-1	m/p-Xylenes	0.88	U	0.64	0.88	8.8	ug/Kg
95-47-6	o-Xylene	0.44	U	0.44	0.44	4.4	ug/Kg
100-42-5	Styrene	0.44	U	0.4	0.44	4.4	ug/Kg
75-25-2	Bromoform	1.3	U	0.65	1.3	4.4	ug/Kg
98-82-8	Isopropylbenzene	0.44	U	0.42	0.44	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.41	0.44	4.4	ug/Kg
103-65-1	n-propylbenzene	0.44	U	0.32	0.44	4.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.44	U	0.4	0.44	4.4	ug/Kg
98-06-6	tert-Butylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
135-98-8	sec-Butylbenzene	0.44	U	0.44	0.44	4.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.44	U	0.26	0.44	4.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.44	U	0.33	0.44	4.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	0.36	0.44	4.4	ug/Kg
104-51-8	n-Butylbenzene	0.44	U	0.41	0.44	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	0.77	4.4	4.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.44	U	0.44	0.44	4.4	ug/Kg
91-20-3	Naphthalene	0.44	U	0.4	0.44	4.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.44	0.88	4.4	ug/Kg
123-91-1	1,4-Dioxane	88.3	U	88.3	88.3	88.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.8		56 - 120		82%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		57 - 135		96%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	6.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008937.D	1		07/02/14	VT070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	43.7		67 - 123		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		33 - 141		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	898384	7.43				
540-36-3	1,4-Difluorobenzene	1282980	8.37				
3114-55-4	Chlorobenzene-d5	1103090	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	629590	13.15				

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 14:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
		% Solid:	90

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.133	U	1	0.035	0.133	0.265	mg/Kg	07/01/14	07/02/14 12:40	9012B
Hexavalent Chromium	0.221	U	1	0.088	0.221	0.441	mg/Kg	07/02/14	07/02/14 15:18	7196A

Comments: _____

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H = Sample Analysis Out Of Hold Time

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* = indicates the duplicate analysis is not within control limits.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918		
Lab Sample ID:	F2918-08	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	10	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012014.D	1	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	2995		924	925	1850	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	15		37 - 130		75%	SPK: 20

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918		
Lab Sample ID:	F2918-08	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	10	Decanted:	
Sample Wt/Vol:	5.03	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004525.D	1		07/08/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	27	J	13	25	50	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	16.8		50 - 150		84%	SPK: 20

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	10
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010330.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	18.5	U	14.7	18.5	74.2	ug/Kg
120-36-5	DICHLORPROP	18.5	U	13.7	18.5	74.2	ug/Kg
94-75-7	2,4-D	18.5	U	18.5	18.5	74.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	18.5	U	12.1	18.5	74.2	ug/Kg
93-76-5	2,4,5-T	18.5	U	11.4	18.5	74.2	ug/Kg
94-82-6	2,4-DB	18.5	U	18.5	18.5	74.2	ug/Kg
88-85-7	DINOSEB	18.5	U	18.5	18.5	74.2	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	212		12 - 189		42%	SPK: 500

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.15	UN	1	0.516	1.15	2.31	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	1.2		1	0.304	0.461	0.922	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	84.4		1	0.369	2.31	4.61	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.58		1	0.055	0.138	0.277	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.138	U	1	0.055	0.138	0.277	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	18.3		1	0.12	0.231	0.461	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	19.6		1	0.526	0.692	1.38	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	28.5		1	0.295	0.461	0.922	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	36.4	N	1	0.111	0.277	0.553	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	582		1	0.175	0.461	0.922	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.005	U	1	0.005	0.005	0.01	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	25.8		1	0.424	0.922	1.84	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	0.898	J	1	0.378	0.461	0.922	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.765		1	0.138	0.231	0.461	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.922	U	1	0.249	0.922	1.84	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	23.9		1	0.544	0.922	1.84	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	71.6		1	0.645	0.922	1.84	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918			
Lab Sample ID:	F2918-08	Matrix:	SOIL			
Analytical Method:	SW8082A	% Moisture:	10	Decanted:		
Sample Wt/Vol:	30.12	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003687.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.7	U	3.7	3.7	18.8	ug/kg
11104-28-2	Aroclor-1221	3.7	U	3.7	3.7	18.8	ug/kg
11141-16-5	Aroclor-1232	3.7	U	3.7	3.7	18.8	ug/kg
53469-21-9	Aroclor-1242	3.7	U	3.7	3.7	18.8	ug/kg
12672-29-6	Aroclor-1248	3.7	U	3.7	3.7	18.8	ug/kg
11097-69-1	Aroclor-1254	3.7	U	1.6	3.7	18.8	ug/kg
11096-82-5	Aroclor-1260	3.7	U	3.7	3.7	18.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		10 - 166		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		60 - 125		70%	SPK: 20

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	10
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023222.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.366	U	0.144	0.366	1.9	ug/kg
319-85-7	beta-BHC	0.366	U	0.2	0.366	1.9	ug/kg
319-86-8	delta-BHC	0.366	U	0.111	0.366	1.9	ug/kg
58-89-9	gamma-BHC (Lindane)	0.366	U	0.167	0.366	1.9	ug/kg
76-44-8	Heptachlor	0.366	U	0.155	0.366	1.9	ug/kg
309-00-2	Aldrin	0.366	U	0.111	0.366	1.9	ug/kg
1024-57-3	Heptachlor epoxide	0.366	U	0.178	0.366	1.9	ug/kg
959-98-8	Endosulfan I	0.366	U	0.167	0.366	1.9	ug/kg
60-57-1	Dieldrin	0.366	U	0.144	0.366	1.9	ug/kg
72-55-9	4,4-DDE	0.366	U	0.222	0.366	1.9	ug/kg
72-20-8	Endrin	0.366	U	0.2	0.366	1.9	ug/kg
33213-65-9	Endosulfan II	0.366	U	0.155	0.366	1.9	ug/kg
72-54-8	4,4-DDD	0.366	U	0.189	0.366	1.9	ug/kg
1031-07-8	Endosulfan Sulfate	0.366	U	0.167	0.366	1.9	ug/kg
50-29-3	4,4-DDT	0.366	U	0.155	0.366	1.9	ug/kg
72-43-5	Methoxychlor	0.366	U	0.189	0.366	1.9	ug/kg
53494-70-5	Endrin ketone	0.366	U	0.144	0.366	1.9	ug/kg
7421-93-4	Endrin aldehyde	0.366	U	0.167	0.366	1.9	ug/kg
5103-71-9	alpha-Chlordane	0.366	U	0.155	0.366	1.9	ug/kg
5103-74-2	gamma-Chlordane	0.366	U	0.144	0.366	1.9	ug/kg
8001-35-2	Toxaphene	3.7	U	3.7	3.7	18.9	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.4		10 - 169		92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		31 - 151		111%	SPK: 20



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918		
Lab Sample ID:	F2918-08	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	10	Decanted:	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023222.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072265.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	37	U	19.3	37	370	ug/Kg
108-95-2	Phenol	37	U	8.5	37	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	37	U	17.8	37	370	ug/Kg
95-57-8	2-Chlorophenol	37	U	19.5	37	370	ug/Kg
95-48-7	2-Methylphenol	37	U	20.1	37	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37	U	15.3	37	370	ug/Kg
98-86-2	Acetophenone	37	U	11.3	37	370	ug/Kg
65794-96-9	3+4-Methylphenols	37	U	19.2	37	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37	U	18.7	37	370	ug/Kg
67-72-1	Hexachloroethane	37	U	16.5	37	370	ug/Kg
98-95-3	Nitrobenzene	37	U	14	37	370	ug/Kg
78-59-1	Isophorone	37	U	12.2	37	370	ug/Kg
88-75-5	2-Nitrophenol	37	U	17.9	37	370	ug/Kg
105-67-9	2,4-Dimethylphenol	37	U	21	37	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37	U	21.3	37	370	ug/Kg
120-83-2	2,4-Dichlorophenol	37	U	14.1	37	370	ug/Kg
91-20-3	Naphthalene	37	U	12.8	37	370	ug/Kg
106-47-8	4-Chloroaniline	37	U	26.1	37	370	ug/Kg
87-68-3	Hexachlorobutadiene	37	U	13.4	37	370	ug/Kg
105-60-2	Caprolactam	74	U	17.2	74	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37	U	16.4	37	370	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	9.3	37	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	37	U	9	37	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	37	U	11.3	37	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37	U	26	37	370	ug/Kg
92-52-4	1,1-Biphenyl	37	U	14	37	370	ug/Kg
91-58-7	2-Chloronaphthalene	37	U	8.4	37	370	ug/Kg
88-74-4	2-Nitroaniline	37	U	16.4	37	370	ug/Kg
131-11-3	Dimethylphthalate	930		10	37	370	ug/Kg
208-96-8	Acenaphthylene	37	U	9.3	37	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	37	U	15.1	37	370	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072265.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	74	U	23.8	74	370	ug/Kg
83-32-9	Acenaphthene	37	U	10.4	37	370	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	37.6	300	370	ug/Kg
100-02-7	4-Nitrophenol	190	U	68.7	190	370	ug/Kg
132-64-9	Dibenzofuran	37	U	14.4	37	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	37	U	11.1	37	370	ug/Kg
84-66-2	Diethylphthalate	37	U	5.8	37	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	37	U	20.1	37	370	ug/Kg
86-73-7	Fluorene	37	U	14	37	370	ug/Kg
100-01-6	4-Nitroaniline	74	U	48.2	74	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	21.2	190	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37	U	8.9	37	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	37	U	7.2	37	370	ug/Kg
118-74-1	Hexachlorobenzene	37	U	15.1	37	370	ug/Kg
1912-24-9	Atrazine	37	U	19.5	37	370	ug/Kg
87-86-5	Pentachlorophenol	37	U	25.3	37	370	ug/Kg
85-01-8	Phenanthrene	37	U	10	37	370	ug/Kg
120-12-7	Anthracene	37	U	7.6	37	370	ug/Kg
86-74-8	Carbazole	37	U	8.1	37	370	ug/Kg
84-74-2	Di-n-butylphthalate	37	U	29.1	37	370	ug/Kg
206-44-0	Fluoranthene	37	U	7.4	37	370	ug/Kg
129-00-0	Pyrene	37	U	8.9	37	370	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	17.8	37	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37	U	23.8	37	370	ug/Kg
56-55-3	Benzo(a)anthracene	37	U	17.7	37	370	ug/Kg
218-01-9	Chrysene	37	U	16.8	37	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	37	U	13.1	37	370	ug/Kg
117-84-0	Di-n-octyl phthalate	37	U	4.2	37	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	12.1	37	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	37	U	17.4	37	370	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	8	37	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	12.3	37	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	10.7	37	370	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072265.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	37	U	15	37	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	37	U	14.5	37	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	14.5	37	370	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		79%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.4		31 - 132		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	59		39 - 123		59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.9		30 - 133		66%	SPK: 150
1718-51-0	Terphenyl-d14	47.5		37 - 115		48%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37921	7.17				
1146-65-2	Naphthalene-d8	162904	8.73				
15067-26-2	Acenaphthene-d10	83958	10.9				
1517-22-2	Phenanthrene-d10	149403	12.73				
1719-03-5	Chrysene-d12	187791	16				
1520-96-3	Perylene-d12	180486	17.65				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown1.38	16000	J			1.38	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	950	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	420	A			4.89	ug/Kg
	unknown6.87	3100	J			6.87	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008869.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.41	U	0.41	0.41	4.1	ug/Kg
74-87-3	Chloromethane	0.41	U	0.41	0.41	4.1	ug/Kg
75-01-4	Vinyl Chloride	0.41	U	0.41	0.41	4.1	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	0.82	4.1	ug/Kg
75-00-3	Chloroethane	0.41	U	0.41	0.41	4.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.41	U	0.41	0.41	4.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	0.41	4.1	ug/Kg
75-35-4	1,1-Dichloroethene	0.41	U	0.41	0.41	4.1	ug/Kg
67-64-1	Acetone	6.6	J	2	2	20.4	ug/Kg
75-15-0	Carbon Disulfide	0.41	U	0.41	0.41	4.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.41	U	0.41	0.41	4.1	ug/Kg
79-20-9	Methyl Acetate	0.82	U	0.82	0.82	4.1	ug/Kg
75-09-2	Methylene Chloride	1.2	J	0.41	0.41	4.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	0.41	0.41	4.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	0.41	0.41	4.1	ug/Kg
110-82-7	Cyclohexane	0.41	U	0.41	0.41	4.1	ug/Kg
78-93-3	2-Butanone	6.1	U	2.5	6.1	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.41	U	0.41	0.41	4.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	0.41	0.41	4.1	ug/Kg
74-97-5	Bromochloromethane	0.41	U	0.41	0.41	4.1	ug/Kg
67-66-3	Chloroform	0.41	U	0.41	0.41	4.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	0.41	4.1	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	0.41	0.41	4.1	ug/Kg
71-43-2	Benzene	0.41	U	0.31	0.41	4.1	ug/Kg
107-06-2	1,2-Dichloroethane	0.41	U	0.41	0.41	4.1	ug/Kg
79-01-6	Trichloroethene	0.41	U	0.41	0.41	4.1	ug/Kg
78-87-5	1,2-Dichloropropane	0.41	U	0.21	0.41	4.1	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	0.41	4.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2	U	2	2	20.4	ug/Kg
108-88-3	Toluene	0.41	U	0.41	0.41	4.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	0.41	4.1	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008869.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	0.41	4.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.74	0.82	4.1	ug/Kg
591-78-6	2-Hexanone	2	U	2	2	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.41	U	0.41	0.41	4.1	ug/Kg
106-93-4	1,2-Dibromoethane	0.41	U	0.41	0.41	4.1	ug/Kg
127-18-4	Tetrachloroethene	0.41	U	0.41	0.41	4.1	ug/Kg
108-90-7	Chlorobenzene	0.41	U	0.41	0.41	4.1	ug/Kg
100-41-4	Ethyl Benzene	0.41	U	0.41	0.41	4.1	ug/Kg
179601-23-1	m/p-Xylenes	0.82	U	0.59	0.82	8.2	ug/Kg
95-47-6	o-Xylene	0.41	U	0.41	0.41	4.1	ug/Kg
100-42-5	Styrene	0.41	U	0.37	0.41	4.1	ug/Kg
75-25-2	Bromoform	1.2	U	0.6	1.2	4.1	ug/Kg
98-82-8	Isopropylbenzene	0.41	U	0.39	0.41	4.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.41	U	0.38	0.41	4.1	ug/Kg
103-65-1	n-propylbenzene	0.41	U	0.29	0.41	4.1	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.41	U	0.37	0.41	4.1	ug/Kg
98-06-6	tert-Butylbenzene	0.41	U	0.41	0.41	4.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.41	U	0.41	0.41	4.1	ug/Kg
135-98-8	sec-Butylbenzene	0.41	U	0.41	0.41	4.1	ug/Kg
99-87-6	p-Isopropyltoluene	0.41	U	0.24	0.41	4.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.41	U	0.3	0.41	4.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	0.33	0.41	4.1	ug/Kg
104-51-8	n-Butylbenzene	0.41	U	0.38	0.41	4.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.41	U	0.41	0.41	4.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.1	U	0.71	4.1	4.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.41	U	0.41	0.41	4.1	ug/Kg
91-20-3	Naphthalene	0.41	U	0.37	0.41	4.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.82	U	0.41	0.82	4.1	ug/Kg
123-91-1	1,4-Dioxane	81.7	U	81.7	81.7	81.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.3		56 - 120		91%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		57 - 135		108%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008869.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	40.5		67 - 123		81%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		33 - 141		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	777034	7.43				
540-36-3	1,4-Difluorobenzene	1104810	8.37				
3114-55-4	Chlorobenzene-d5	846642	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	501196	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 09:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
		% Solid:	83.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.189	J	1	0.039	0.147	0.294	mg/Kg	07/01/14	07/02/14 12:48	9012B
Hexavalent Chromium	0.096	J	1	0.096	0.239	0.478	mg/Kg	07/02/14	07/02/14 15:18	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	8015B DRO	% Moisture:	16.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012024.D	4	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	98210		3990	3995	7990	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	4.55		37 - 130		91%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918		
Lab Sample ID:	F2918-09	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	16.7	Decanted:	
Sample Wt/Vol:	5.05	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004523.D	1		07/08/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	26.5	U	14	26.5	53	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	6.59	*	50 - 150		33%	SPK: 20

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	16.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010331.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	20	U	15.9	20	80.3	ug/Kg
120-36-5	DICHLORPROP	20	U	14.8	20	80.3	ug/Kg
94-75-7	2,4-D	20	U	20	20	80.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	20	U	13.1	20	80.3	ug/Kg
93-76-5	2,4,5-T	20	U	12.3	20	80.3	ug/Kg
94-82-6	2,4-DB	20	U	20	20	80.3	ug/Kg
88-85-7	DINOSEB	20	U	20	20	80.3	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	252		12 - 189		51%	SPK: 500

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**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.24	UN	1	0.556	1.24	2.48	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	6.82		1	0.327	0.496	0.992	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	748		1	0.397	2.48	4.96	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.634		1	0.06	0.149	0.298	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.79		1	0.06	0.149	0.298	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	24.4		1	0.129	0.248	0.496	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	14		1	0.566	0.744	1.49	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	51		1	0.317	0.496	0.992	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	3240	N	1	0.119	0.298	0.595	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	607		1	0.189	0.496	0.992	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.681	D	2	0.012	0.012	0.024	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	19.1		1	0.456	0.992	1.98	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	1.33		1	0.407	0.496	0.992	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	1.27		1	0.149	0.248	0.496	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.992	U	1	0.268	0.992	1.98	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	29.2		1	0.585	0.992	1.98	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	561		1	0.694	0.992	1.98	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected

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LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

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* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918		
Lab Sample ID:	F2918-09	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	16.7	Decanted:	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003688.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4	U	4	4	20.4	ug/kg
11104-28-2	Aroclor-1221	4	U	4	4	20.4	ug/kg
11141-16-5	Aroclor-1232	4	U	4	4	20.4	ug/kg
53469-21-9	Aroclor-1242	4	U	4	4	20.4	ug/kg
12672-29-6	Aroclor-1248	4	U	4	4	20.4	ug/kg
11097-69-1	Aroclor-1254	4	U	1.8	4	20.4	ug/kg
11096-82-5	Aroclor-1260	4	U	4	4	20.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.7		10 - 166		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.5		60 - 125		72%	SPK: 20

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	16.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023223.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.395	U	0.156	0.395	2	ug/kg
319-85-7	beta-BHC	0.395	U	0.216	0.395	2	ug/kg
319-86-8	delta-BHC	0.395	U	0.12	0.395	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.395	U	0.18	0.395	2	ug/kg
76-44-8	Heptachlor	0.395	U	0.168	0.395	2	ug/kg
309-00-2	Aldrin	0.395	U	0.12	0.395	2	ug/kg
1024-57-3	Heptachlor epoxide	0.395	U	0.192	0.395	2	ug/kg
959-98-8	Endosulfan I	0.395	U	0.18	0.395	2	ug/kg
60-57-1	Dieldrin	0.395	U	0.156	0.395	2	ug/kg
72-55-9	4,4-DDE	0.395	U	0.24	0.395	2	ug/kg
72-20-8	Endrin	0.395	U	0.216	0.395	2	ug/kg
33213-65-9	Endosulfan II	0.395	U	0.168	0.395	2	ug/kg
72-54-8	4,4-DDD	0.395	U	0.204	0.395	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.395	U	0.18	0.395	2	ug/kg
50-29-3	4,4-DDT	0.395	U	0.168	0.395	2	ug/kg
72-43-5	Methoxychlor	0.395	U	0.204	0.395	2	ug/kg
53494-70-5	Endrin ketone	0.395	U	0.156	0.395	2	ug/kg
7421-93-4	Endrin aldehyde	0.395	U	0.18	0.395	2	ug/kg
5103-71-9	alpha-Chlordane	0.395	U	0.168	0.395	2	ug/kg
5103-74-2	gamma-Chlordane	0.395	U	0.156	0.395	2	ug/kg
8001-35-2	Toxaphene	4	U	4	4	20.4	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.4		10 - 169		82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		31 - 151		84%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918		
Lab Sample ID:	F2918-09	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	16.7	Decanted:	
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023223.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072259.D	5	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	200	U	100	200	2000	ug/Kg
108-95-2	Phenol	200	U	46.2	200	2000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	95.9	200	2000	ug/Kg
95-57-8	2-Chlorophenol	200	U	110	200	2000	ug/Kg
95-48-7	2-Methylphenol	200	U	110	200	2000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	82.7	200	2000	ug/Kg
98-86-2	Acetophenone	200	U	61.1	200	2000	ug/Kg
65794-96-9	3+4-Methylphenols	200	U	100	200	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	100	200	2000	ug/Kg
67-72-1	Hexachloroethane	200	U	89.3	200	2000	ug/Kg
98-95-3	Nitrobenzene	200	U	75.5	200	2000	ug/Kg
78-59-1	Isophorone	200	U	65.9	200	2000	ug/Kg
88-75-5	2-Nitrophenol	200	U	96.5	200	2000	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	110	200	2000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	200	U	120	200	2000	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	76.1	200	2000	ug/Kg
91-20-3	Naphthalene	200	U	68.9	200	2000	ug/Kg
106-47-8	4-Chloroaniline	200	U	140	200	2000	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	72.5	200	2000	ug/Kg
105-60-2	Caprolactam	400	U	92.9	400	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	88.7	200	2000	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	50.4	200	2000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	48.6	200	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	61.1	200	2000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	140	200	2000	ug/Kg
92-52-4	1,1-Biphenyl	200	U	75.5	200	2000	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	45.6	200	2000	ug/Kg
88-74-4	2-Nitroaniline	200	U	88.7	200	2000	ug/Kg
131-11-3	Dimethylphthalate	460	J	53.9	200	2000	ug/Kg
208-96-8	Acenaphthylene	470	J	50.4	200	2000	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	81.5	200	2000	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072259.D	5	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	400	U	130	400	2000	ug/Kg
83-32-9	Acenaphthene	560	J	56.3	200	2000	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	200	1600	2000	ug/Kg
100-02-7	4-Nitrophenol	1000	U	370	1000	2000	ug/Kg
132-64-9	Dibenzofuran	200	U	77.9	200	2000	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	59.9	200	2000	ug/Kg
84-66-2	Diethylphthalate	200	U	31.2	200	2000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	110	200	2000	ug/Kg
86-73-7	Fluorene	490	J	75.5	200	2000	ug/Kg
100-01-6	4-Nitroaniline	400	U	260	400	2000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	110	1000	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	48	200	2000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	39	200	2000	ug/Kg
118-74-1	Hexachlorobenzene	200	U	81.5	200	2000	ug/Kg
1912-24-9	Atrazine	200	U	110	200	2000	ug/Kg
87-86-5	Pentachlorophenol	200	U	140	200	2000	ug/Kg
85-01-8	Phenanthrene	6700		53.9	200	2000	ug/Kg
120-12-7	Anthracene	1700	J	40.8	200	2000	ug/Kg
86-74-8	Carbazole	510	J	43.8	200	2000	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	160	200	2000	ug/Kg
206-44-0	Fluoranthene	11900		40.2	200	2000	ug/Kg
129-00-0	Pyrene	9400		48	200	2000	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	95.9	200	2000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	130	200	2000	ug/Kg
56-55-3	Benzo(a)anthracene	6500		95.3	200	2000	ug/Kg
218-01-9	Chrysene	5300		90.5	200	2000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	70.7	200	2000	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	22.8	200	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	5800		65.3	200	2000	ug/Kg
207-08-9	Benzo(k)fluoranthene	2700		94.1	200	2000	ug/Kg
50-32-8	Benzo(a)pyrene	5000		43.2	200	2000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3100		66.5	200	2000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	760	J	57.5	200	2000	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072259.D	5	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	3300		80.9	200	2000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	78.5	200	2000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	78.5	200	2000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.9		28 - 127		57%	SPK: 150
13127-88-3	Phenol-d6	89.8		34 - 127		60%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.8		31 - 132		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		39 - 123		49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.8		30 - 133		50%	SPK: 150
1718-51-0	Terphenyl-d14	44.8		37 - 115		45%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43195	7.17				
1146-65-2	Naphthalene-d8	192469	8.74				
15067-26-2	Acenaphthene-d10	97609	10.91				
1517-22-2	Phenanthrene-d10	176531	12.75				
1719-03-5	Chrysene-d12	210752	16.01				
1520-96-3	Perylene-d12	206462	17.73				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	13200	J			1.36	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	990	J			1.64	ug/Kg
	unknown6.87	2600	J			6.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	730	J			13.37	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1100	J			13.41	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1800	J			13.5	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	1100	J			13.75	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	680	J			14.06	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1300	J			14.14	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	690	J			14.94	ug/Kg
000192-97-2	Benzo[e]pyrene	1500	J			17.41	ug/Kg
000207-93-2	Dinaphtho[1,2-b:1,2-d]furan	960	J			17.52	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	1500	J			19.64	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918		
Lab Sample ID:	F2918-09	Matrix:	SOIL		
Analytical Method:	SW8270	% Moisture:	16.7		
Sample Wt/Vol:	30.04	Units:	g		
Soil Aliquot Vol:			uL		
Extraction Type :	Decanted :	N	Level :	LOW	
Injection Volume :	GPC Factor :	1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072259.D	5	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008870.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.52	U	0.52	0.52	5.2	ug/Kg
74-87-3	Chloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	0.52	5.2	ug/Kg
74-83-9	Bromomethane	1	U	1	1	5.2	ug/Kg
75-00-3	Chloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.52	U	0.52	0.52	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	0.52	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
67-64-1	Acetone	10.9	J	2.6	2.6	26	ug/Kg
75-15-0	Carbon Disulfide	0.52	U	0.52	0.52	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.52	U	0.52	0.52	5.2	ug/Kg
79-20-9	Methyl Acetate	1	U	1	1	5.2	ug/Kg
75-09-2	Methylene Chloride	1.3	J	0.52	0.52	5.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	0.52	5.2	ug/Kg
78-93-3	2-Butanone	7.8	U	3.2	7.8	26	ug/Kg
56-23-5	Carbon Tetrachloride	0.52	U	0.52	0.52	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
74-97-5	Bromochloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
67-66-3	Chloroform	0.52	U	0.52	0.52	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
108-87-2	Methylcyclohexane	0.52	U	0.52	0.52	5.2	ug/Kg
71-43-2	Benzene	0.52	U	0.4	0.52	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	0.52	5.2	ug/Kg
79-01-6	Trichloroethene	0.52	U	0.52	0.52	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.27	0.52	5.2	ug/Kg
75-27-4	Bromodichloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.6	U	2.6	2.6	26	ug/Kg
108-88-3	Toluene	0.52	U	0.52	0.52	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	0.52	5.2	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008870.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	0.52	5.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	1	U	0.94	1	5.2	ug/Kg
591-78-6	2-Hexanone	2.6	U	2.6	2.6	26	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	0.52	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	0.52	U	0.52	0.52	5.2	ug/Kg
127-18-4	Tetrachloroethene	4.1	J	0.52	0.52	5.2	ug/Kg
108-90-7	Chlorobenzene	0.52	U	0.52	0.52	5.2	ug/Kg
100-41-4	Ethyl Benzene	1.1	J	0.52	0.52	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.9	J	0.75	1	10.4	ug/Kg
95-47-6	o-Xylene	0.52	U	0.52	0.52	5.2	ug/Kg
100-42-5	Styrene	0.52	U	0.47	0.52	5.2	ug/Kg
75-25-2	Bromoform	1.6	U	0.77	1.6	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.52	U	0.5	0.52	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	0.48	0.52	5.2	ug/Kg
103-65-1	n-propylbenzene	0.52	U	0.37	0.52	5.2	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.52	U	0.47	0.52	5.2	ug/Kg
98-06-6	tert-Butylbenzene	0.52	U	0.52	0.52	5.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.52	U	0.52	0.52	5.2	ug/Kg
135-98-8	sec-Butylbenzene	0.52	U	0.52	0.52	5.2	ug/Kg
99-87-6	p-Isopropyltoluene	0.52	U	0.3	0.52	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.52	U	0.38	0.52	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.52	U	0.43	0.52	5.2	ug/Kg
104-51-8	n-Butylbenzene	0.52	U	0.48	0.52	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	0.52	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	0.91	5.2	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.52	U	0.52	0.52	5.2	ug/Kg
91-20-3	Naphthalene	0.52	U	0.47	0.52	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1	U	0.52	1	5.2	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		56 - 120		103%	SPK: 50
1868-53-7	Dibromofluoromethane	110	*	57 - 135		222%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008870.D	1		07/01/14	VT063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	11.4	*	67 - 123		23%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		33 - 141		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	724909	7.43				
540-36-3	1,4-Difluorobenzene	573150	8.37				
3114-55-4	Chlorobenzene-d5	149344	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	217310	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.31	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	1.9		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	106		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.64	J	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.46	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	12.9	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	55.7		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	15.1	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	55.3		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	3700		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.683		1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	31.5	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	15.8		1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.44	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.11	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	8.5		1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	123	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	TRIPBLANK-6-25-14	SDG No.:	F2918			
Lab Sample ID:	F2918-10	Matrix:	Water			
Analytical Method:	SW8082A	% Moisture:	100	Decanted:		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC017828.D	1	07/01/14	07/02/14	PB77540

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.1	U	0.096	0.1	0.5	ug/L
11104-28-2	Aroclor-1221	0.1	U	0.1	0.1	0.5	ug/L
11141-16-5	Aroclor-1232	0.1	U	0.1	0.1	0.5	ug/L
53469-21-9	Aroclor-1242	0.1	U	0.089	0.1	0.5	ug/L
12672-29-6	Aroclor-1248	0.1	U	0.1	0.1	0.5	ug/L
11097-69-1	Aroclor-1254	0.1	U	0.044	0.1	0.5	ug/L
11096-82-5	Aroclor-1260	0.1	U	0.081	0.1	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	13.6		35 - 137		68%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		40 - 135		74%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086577.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.77	1	10	ug/L
108-95-2	Phenol	1	U	0.21	1	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.55	1	10	ug/L
95-57-8	2-Chlorophenol	1	U	0.54	1	10	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.38	1	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10	ug/L
67-72-1	Hexachloroethane	1	U	0.25	1	10	ug/L
98-95-3	Nitrobenzene	1	U	0.68	1	10	ug/L
78-59-1	Isophorone	1	U	0.3	1	10	ug/L
88-75-5	2-Nitrophenol	1	U	0.52	1	10	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.71	1	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.55	1	10	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.66	1	10	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.25	1	10	ug/L
105-60-2	Caprolactam	1	U	1	1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.4	1	10	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.32	1	10	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.56	1	10	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.4	1	10	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10	ug/L
88-74-4	2-Nitroaniline	1	U	0.49	1	10	ug/L
131-11-3	Dimethylphthalate	2.9	J	0.22	1	10	ug/L
208-96-8	Acenaphthylene	1	U	0.7	1	10	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.32	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086577.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10	ug/L
51-28-5	2,4-Dinitrophenol	8	U	2.1	8	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10	ug/L
84-66-2	Diethylphthalate	1	U	0.38	1	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10	ug/L
86-73-7	Fluorene	1	U	0.31	1	10	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.74	2	10	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.6	1	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10	ug/L
1912-24-9	Atrazine	1	U	0.4	1	10	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10	ug/L
85-01-8	Phenanthrene	1	U	0.26	1	10	ug/L
120-12-7	Anthracene	1	U	0.16	1	10	ug/L
86-74-8	Carbazole	1	U	0.22	1	10	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10	ug/L
206-44-0	Fluoranthene	1	U	0.4	1	10	ug/L
129-00-0	Pyrene	1	U	0.2	1	10	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10	ug/L
218-01-9	Chrysene	1	U	0.18	1	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.51	1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.29	1	10	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.42	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086577.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.29	1	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	72.5		10 - 130		48%	SPK: 150
13127-88-3	Phenol-d6	48.9		10 - 130		33%	SPK: 150
4165-60-0	Nitrobenzene-d5	98		36 - 131		98%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		39 - 131		91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155		91%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		23 - 130		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	218277	6.77				
1146-65-2	Naphthalene-d8	974812	8.33				
15067-26-2	Acenaphthene-d10	483157	10.47				
1517-22-2	Phenanthrene-d10	719201	12.28				
1719-03-5	Chrysene-d12	544179	15.5				
1520-96-3	Perylene-d12	430219	17.11				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	100	J			1.52	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.5	A			4.44	ug/L
	unknown6.48	82.8	J			6.48	ug/L
000143-22-6	Ethanol, 2-[(2-butoxyethoxy)etho	2.6	J			10.27	ug/L
000057-10-3	n-Hexadecanoic acid	3.7	J			13.05	ug/L
000057-11-4	Octadecanoic acid	4	J			14.02	ug/L
000191-26-4	Dibenzo[def,mno]chrysene	2.3	J			18.49	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017002.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.3		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	5.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.87	J	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	8		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017002.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	260	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.81	J	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		69 - 133		89%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017002.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.6		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.2		58 - 135		122%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	229419	7.87				
540-36-3	1,4-Difluorobenzene	377177	8.79				
3114-55-4	Chlorobenzene-d5	423156	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	196630	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17DL	SDG No.:	F2918
Lab Sample ID:	F2918-10DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017025.D	5		07/07/14	VN070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	UD	1	1	5	ug/L
74-87-3	Chloromethane	1	UD	1	1	5	ug/L
75-01-4	Vinyl Chloride	1	UD	1	1	5	ug/L
74-83-9	Bromomethane	1	UD	1	1	5	ug/L
75-00-3	Chloroethane	2.5	UD	1	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	1	UD	1	1	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	UD	1	1	5	ug/L
75-35-4	1,1-Dichloroethene	1	UD	1	1	5	ug/L
67-64-1	Acetone	5	UD	2.5	5	25	ug/L
75-15-0	Carbon Disulfide	1	UD	1	1	5	ug/L
1634-04-4	Methyl tert-butyl Ether	2.5	UD	1.8	2.5	5	ug/L
79-20-9	Methyl Acetate	2.5	UD	1	2.5	5	ug/L
75-09-2	Methylene Chloride	1	UD	1	1	5	ug/L
156-60-5	trans-1,2-Dichloroethene	1	UD	1	1	5	ug/L
75-34-3	1,1-Dichloroethane	1	UD	1	1	5	ug/L
110-82-7	Cyclohexane	1	UD	1	1	5	ug/L
78-93-3	2-Butanone	12.5	UD	6.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	1	UD	1	1	5	ug/L
156-59-2	cis-1,2-Dichloroethene	5.8	D	1	1	5	ug/L
74-97-5	Bromochloromethane	2.5	UD	1	2.5	5	ug/L
67-66-3	Chloroform	1	UD	1	1	5	ug/L
71-55-6	1,1,1-Trichloroethane	1	UD	1	1	5	ug/L
108-87-2	Methylcyclohexane	1	UD	1	1	5	ug/L
71-43-2	Benzene	1	UD	1	1	5	ug/L
107-06-2	1,2-Dichloroethane	1	UD	1	1	5	ug/L
79-01-6	Trichloroethene	7.4	D	1	1	5	ug/L
78-87-5	1,2-Dichloropropane	1	UD	1	1	5	ug/L
75-27-4	Bromodichloromethane	1	UD	1	1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	5	UD	5	5	25	ug/L
108-88-3	Toluene	1	UD	1	1	5	ug/L
10061-02-6	t-1,3-Dichloropropene	1	UD	1	1	5	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17DL	SDG No.:	F2918
Lab Sample ID:	F2918-10DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017025.D	5		07/07/14	VN070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	UD	1	1	5	ug/L
79-00-5	1,1,2-Trichloroethane	1	UD	1	1	5	ug/L
591-78-6	2-Hexanone	12.5	UD	9.7	12.5	25	ug/L
124-48-1	Dibromochloromethane	1	UD	1	1	5	ug/L
106-93-4	1,2-Dibromoethane	1	UD	1	1	5	ug/L
127-18-4	Tetrachloroethene	220	D	1	1	5	ug/L
108-90-7	Chlorobenzene	1	UD	1	1	5	ug/L
100-41-4	Ethyl Benzene	1	UD	1	1	5	ug/L
179601-23-1	m/p-Xylenes	2	UD	2	2	10	ug/L
95-47-6	o-Xylene	1	UD	1	1	5	ug/L
100-42-5	Styrene	1	UD	1	1	5	ug/L
75-25-2	Bromoform	1	UD	1	1	5	ug/L
98-82-8	Isopropylbenzene	1	UD	1	1	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	UD	1	1	5	ug/L
103-65-1	n-propylbenzene	1	UD	1	1	5	ug/L
108-67-8	1,3,5-Trimethylbenzene	1	UD	1	1	5	ug/L
98-06-6	tert-Butylbenzene	1	UD	1	1	5	ug/L
95-63-6	1,2,4-Trimethylbenzene	1	UD	1	1	5	ug/L
135-98-8	sec-Butylbenzene	1	UD	1	1	5	ug/L
99-87-6	p-Isopropyltoluene	1	UD	1	1	5	ug/L
541-73-1	1,3-Dichlorobenzene	1	UD	1	1	5	ug/L
106-46-7	1,4-Dichlorobenzene	1	UD	1	1	5	ug/L
104-51-8	n-Butylbenzene	1	UD	1	1	5	ug/L
95-50-1	1,2-Dichlorobenzene	1	UD	1	1	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UD	1	1	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	UD	1	1	5	ug/L
91-20-3	Naphthalene	1	UD	1	1	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	UD	1	1	5	ug/L
123-91-1	1,4-Dioxane	500	UD	500	500	500	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		61 - 141		93%	SPK: 50
1868-53-7	Dibromofluoromethane	43.2		69 - 133		86%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17DL	SDG No.:	F2918
Lab Sample ID:	F2918-10DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017025.D	5		07/07/14	VN070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.2		65 - 126		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		58 - 135		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	228960	7.87				
540-36-3	1,4-Difluorobenzene	384122	8.79				
3114-55-4	Chlorobenzene-d5	402872	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	166174	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 10:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
		% Solid:	89.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.048	J	1	0.035	0.134	0.267	mg/Kg	07/01/14	07/02/14 12:48	9012B
Hexavalent Chromium	0.222	U	1	0.089	0.222	0.443	mg/Kg	07/02/14	07/02/14 15:19	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	10.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010332.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	18.5	U	14.7	18.5	74.4	ug/Kg
120-36-5	DICHLORPROP	18.5	U	13.7	18.5	74.4	ug/Kg
94-75-7	2,4-D	18.5	U	18.5	18.5	74.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	18.5	U	12.1	18.5	74.4	ug/Kg
93-76-5	2,4,5-T	18.5	U	11.4	18.5	74.4	ug/Kg
94-82-6	2,4-DB	18.5	U	18.5	18.5	74.4	ug/Kg
88-85-7	DINOSEB	18.5	U	18.5	18.5	74.4	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	231		12 - 189		46%	SPK: 500

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.14	UN	1	0.511	1.14	2.28	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	2.4		1	0.301	0.456	0.912	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	91.6		1	0.365	2.28	4.56	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.422		1	0.055	0.137	0.274	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.137	U	1	0.055	0.137	0.274	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	20.2		1	0.119	0.228	0.456	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	13.5		1	0.52	0.684	1.37	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	19.7		1	0.292	0.456	0.912	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	39.3	N	1	0.109	0.274	0.547	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	700		1	0.173	0.456	0.912	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.039		1	0.005	0.005	0.01	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	15.4		1	0.419	0.912	1.82	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	0.847	J	1	0.374	0.456	0.912	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.809		1	0.137	0.228	0.456	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.912	U	1	0.246	0.912	1.82	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	29.8		1	0.538	0.912	1.82	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	50.6		1	0.638	0.912	1.82	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003689.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.7	U	3.7	3.7	18.9	ug/kg
11104-28-2	Aroclor-1221	3.7	U	3.7	3.7	18.9	ug/kg
11141-16-5	Aroclor-1232	3.7	U	3.7	3.7	18.9	ug/kg
53469-21-9	Aroclor-1242	3.7	U	3.7	3.7	18.9	ug/kg
12672-29-6	Aroclor-1248	3.7	U	3.7	3.7	18.9	ug/kg
11097-69-1	Aroclor-1254	3.7	U	1.7	3.7	18.9	ug/kg
11096-82-5	Aroclor-1260	3.7	U	3.7	3.7	18.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.6		10 - 166		88%	SPK: 20
2051-24-3	Decachlorobiphenyl	14		60 - 125		70%	SPK: 20

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	10.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023224.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.366	U	0.144	0.366	1.9	ug/kg
319-85-7	beta-BHC	0.366	U	0.2	0.366	1.9	ug/kg
319-86-8	delta-BHC	0.366	U	0.111	0.366	1.9	ug/kg
58-89-9	gamma-BHC (Lindane)	0.366	U	0.166	0.366	1.9	ug/kg
76-44-8	Heptachlor	0.366	U	0.155	0.366	1.9	ug/kg
309-00-2	Aldrin	0.366	U	0.111	0.366	1.9	ug/kg
1024-57-3	Heptachlor epoxide	0.366	U	0.178	0.366	1.9	ug/kg
959-98-8	Endosulfan I	0.366	U	0.166	0.366	1.9	ug/kg
60-57-1	Dieldrin	0.366	U	0.144	0.366	1.9	ug/kg
72-55-9	4,4-DDE	0.366	U	0.222	0.366	1.9	ug/kg
72-20-8	Endrin	0.366	U	0.2	0.366	1.9	ug/kg
33213-65-9	Endosulfan II	0.366	U	0.155	0.366	1.9	ug/kg
72-54-8	4,4-DDD	0.366	U	0.189	0.366	1.9	ug/kg
1031-07-8	Endosulfan Sulfate	0.366	U	0.166	0.366	1.9	ug/kg
50-29-3	4,4-DDT	0.366	U	0.155	0.366	1.9	ug/kg
72-43-5	Methoxychlor	0.366	U	0.189	0.366	1.9	ug/kg
53494-70-5	Endrin ketone	0.366	U	0.144	0.366	1.9	ug/kg
7421-93-4	Endrin aldehyde	0.366	U	0.166	0.366	1.9	ug/kg
5103-71-9	alpha-Chlordane	0.366	U	0.155	0.366	1.9	ug/kg
5103-74-2	gamma-Chlordane	0.366	U	0.144	0.366	1.9	ug/kg
8001-35-2	Toxaphene	3.7	U	3.7	3.7	18.9	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.8		10 - 169		84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		31 - 151		102%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918		
Lab Sample ID:	F2918-11	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	10.1	Decanted:	
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023224.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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* = Values outside of QC limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072264.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	37	U	19.3	37	370	ug/Kg
108-95-2	Phenol	37	U	8.5	37	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	37	U	17.8	37	370	ug/Kg
95-57-8	2-Chlorophenol	37	U	19.5	37	370	ug/Kg
95-48-7	2-Methylphenol	37	U	20.1	37	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37	U	15.3	37	370	ug/Kg
98-86-2	Acetophenone	37	U	11.3	37	370	ug/Kg
65794-96-9	3+4-Methylphenols	37	U	19.2	37	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37	U	18.6	37	370	ug/Kg
67-72-1	Hexachloroethane	37	U	16.5	37	370	ug/Kg
98-95-3	Nitrobenzene	37	U	14	37	370	ug/Kg
78-59-1	Isophorone	37	U	12.2	37	370	ug/Kg
88-75-5	2-Nitrophenol	37	U	17.9	37	370	ug/Kg
105-67-9	2,4-Dimethylphenol	37	U	21	37	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37	U	21.3	37	370	ug/Kg
120-83-2	2,4-Dichlorophenol	37	U	14.1	37	370	ug/Kg
91-20-3	Naphthalene	37	U	12.8	37	370	ug/Kg
106-47-8	4-Chloroaniline	37	U	26.1	37	370	ug/Kg
87-68-3	Hexachlorobutadiene	37	U	13.4	37	370	ug/Kg
105-60-2	Caprolactam	74	U	17.2	74	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37	U	16.4	37	370	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	9.3	37	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	37	U	9	37	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	37	U	11.3	37	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37	U	26	37	370	ug/Kg
92-52-4	1,1-Biphenyl	37	U	14	37	370	ug/Kg
91-58-7	2-Chloronaphthalene	37	U	8.4	37	370	ug/Kg
88-74-4	2-Nitroaniline	37	U	16.4	37	370	ug/Kg
131-11-3	Dimethylphthalate	540		10	37	370	ug/Kg
208-96-8	Acenaphthylene	37	U	9.3	37	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	37	U	15.1	37	370	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072264.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	74	U	23.7	74	370	ug/Kg
83-32-9	Acenaphthene	37	U	10.4	37	370	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	37.6	300	370	ug/Kg
100-02-7	4-Nitrophenol	180	U	68.7	180	370	ug/Kg
132-64-9	Dibenzofuran	37	U	14.4	37	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	37	U	11.1	37	370	ug/Kg
84-66-2	Diethylphthalate	37	U	5.8	37	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	37	U	20.1	37	370	ug/Kg
86-73-7	Fluorene	37	U	14	37	370	ug/Kg
100-01-6	4-Nitroaniline	74	U	48.1	74	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	21.2	180	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37	U	8.9	37	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	37	U	7.2	37	370	ug/Kg
118-74-1	Hexachlorobenzene	37	U	15.1	37	370	ug/Kg
1912-24-9	Atrazine	37	U	19.5	37	370	ug/Kg
87-86-5	Pentachlorophenol	37	U	25.3	37	370	ug/Kg
85-01-8	Phenanthrene	37	U	10	37	370	ug/Kg
120-12-7	Anthracene	37	U	7.5	37	370	ug/Kg
86-74-8	Carbazole	37	U	8.1	37	370	ug/Kg
84-74-2	Di-n-butylphthalate	37	U	29.1	37	370	ug/Kg
206-44-0	Fluoranthene	37	U	7.4	37	370	ug/Kg
129-00-0	Pyrene	37	U	8.9	37	370	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	17.8	37	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37	U	23.7	37	370	ug/Kg
56-55-3	Benzo(a)anthracene	37	U	17.6	37	370	ug/Kg
218-01-9	Chrysene	37	U	16.8	37	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	37	U	13.1	37	370	ug/Kg
117-84-0	Di-n-octyl phthalate	37	U	4.2	37	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	12.1	37	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	37	U	17.4	37	370	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	8	37	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	12.3	37	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	10.7	37	370	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072264.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	37	U	15	37	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	37	U	14.5	37	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	14.5	37	370	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100		28 - 127		69%	SPK: 150
13127-88-3	Phenol-d6	100		34 - 127		69%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.7		31 - 132		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.3		39 - 123		55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.7		30 - 133		60%	SPK: 150
1718-51-0	Terphenyl-d14	50		37 - 115		50%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44182	7.17				
1146-65-2	Naphthalene-d8	185229	8.74				
15067-26-2	Acenaphthene-d10	98420	10.9				
1517-22-2	Phenanthrene-d10	172499	12.73				
1719-03-5	Chrysene-d12	212275	16				
1520-96-3	Perylene-d12	197891	17.68				
TENTATIVE IDENTIFIED COMPOUNDS							
000096-37-7	Cyclopentane, methyl-	1200	J			1.18	ug/Kg
000077-76-9	Propane, 2,2-dimethoxy-	14100	J			1.38	ug/Kg
	unknown1.60	150	J			1.6	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	780	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	410	A			4.89	ug/Kg
	unknown6.87	2700	J			6.87	ug/Kg
000112-37-8	Undecanoic acid	140	J			13.48	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	95.8	J			14.59	ug/Kg
074339-53-0	Trichloroacetic acid, pentadecyl e	250	J			15.91	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072264.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.1
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008936.D	1		07/02/14	VT070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.47	U	0.47	0.47	4.7	ug/Kg
74-87-3	Chloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
75-01-4	Vinyl Chloride	0.47	U	0.47	0.47	4.7	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	0.94	4.7	ug/Kg
75-00-3	Chloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.47	U	0.47	0.47	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.47	U	0.47	0.47	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
67-64-1	Acetone	6.8	J	2.3	2.3	23.4	ug/Kg
75-15-0	Carbon Disulfide	0.47	U	0.47	0.47	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.47	U	0.47	0.47	4.7	ug/Kg
79-20-9	Methyl Acetate	0.94	U	0.94	0.94	4.7	ug/Kg
75-09-2	Methylene Chloride	0.47	U	0.47	0.47	4.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	0.47	4.7	ug/Kg
78-93-3	2-Butanone	7	U	2.9	7	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	0.47	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
74-97-5	Bromochloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
67-66-3	Chloroform	0.47	U	0.47	0.47	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	0.47	4.7	ug/Kg
71-43-2	Benzene	0.47	U	0.36	0.47	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	0.47	U	0.47	0.47	4.7	ug/Kg
79-01-6	Trichloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	0.47	U	0.24	0.47	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.3	U	2.3	2.3	23.4	ug/Kg
108-88-3	Toluene	0.47	U	0.47	0.47	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	0.47	4.7	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.1
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008936.D	1		07/02/14	VT070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	0.47	4.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.84	0.94	4.7	ug/Kg
591-78-6	2-Hexanone	2.3	U	2.3	2.3	23.4	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	0.47	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	0.47	0.47	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.47	U	0.47	0.47	4.7	ug/Kg
108-90-7	Chlorobenzene	0.47	U	0.47	0.47	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.47	U	0.47	0.47	4.7	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.67	0.94	9.4	ug/Kg
95-47-6	o-Xylene	0.47	U	0.47	0.47	4.7	ug/Kg
100-42-5	Styrene	0.47	U	0.42	0.47	4.7	ug/Kg
75-25-2	Bromoform	1.4	U	0.69	1.4	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.47	U	0.45	0.47	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.47	U	0.43	0.47	4.7	ug/Kg
103-65-1	n-propylbenzene	0.47	U	0.34	0.47	4.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.47	U	0.42	0.47	4.7	ug/Kg
98-06-6	tert-Butylbenzene	0.47	U	0.47	0.47	4.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.47	U	0.47	0.47	4.7	ug/Kg
135-98-8	sec-Butylbenzene	0.47	U	0.47	0.47	4.7	ug/Kg
99-87-6	p-Isopropyltoluene	0.47	U	0.27	0.47	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.47	U	0.35	0.47	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.47	U	0.38	0.47	4.7	ug/Kg
104-51-8	n-Butylbenzene	0.47	U	0.43	0.47	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	0.47	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.7	U	0.81	4.7	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.47	U	0.47	0.47	4.7	ug/Kg
91-20-3	Naphthalene	0.47	U	0.42	0.47	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.94	U	0.47	0.94	4.7	ug/Kg
123-91-1	1,4-Dioxane	93.6	U	93.6	93.6	93.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.4		56 - 120		81%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		57 - 135		110%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.1
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT008936.D	1		07/02/14	VT070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	36.2		67 - 123		72%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		33 - 141		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1046730	7.43				
540-36-3	1,4-Difluorobenzene	1316710	8.37				
3114-55-4	Chlorobenzene-d5	966077	11.21				
3855-82-1	1,4-Dichlorobenzene-d4	559365	13.15				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.29	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	4		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	100		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.5	U	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	2.6	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	3.4		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	3.1	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	1.1		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	2590		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	12.1	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	2.7	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.4	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.5	U	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	12.8	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003705.D	1	07/01/14	07/03/14	PB77540

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.1	U	0.096	0.1	0.5	ug/L
11104-28-2	Aroclor-1221	0.1	U	0.1	0.1	0.5	ug/L
11141-16-5	Aroclor-1232	0.1	U	0.1	0.1	0.5	ug/L
53469-21-9	Aroclor-1242	0.1	U	0.089	0.1	0.5	ug/L
12672-29-6	Aroclor-1248	0.1	U	0.1	0.1	0.5	ug/L
11097-69-1	Aroclor-1254	0.1	U	0.044	0.1	0.5	ug/L
11096-82-5	Aroclor-1260	0.1	U	0.081	0.1	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18		35 - 137		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	15		40 - 135		75%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072235.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.77	1	10	ug/L
108-95-2	Phenol	1	U	0.21	1	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.55	1	10	ug/L
95-57-8	2-Chlorophenol	1	U	0.54	1	10	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.38	1	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10	ug/L
67-72-1	Hexachloroethane	1	U	0.25	1	10	ug/L
98-95-3	Nitrobenzene	1	U	0.68	1	10	ug/L
78-59-1	Isophorone	1	U	0.3	1	10	ug/L
88-75-5	2-Nitrophenol	1	U	0.52	1	10	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.71	1	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.55	1	10	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.66	1	10	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.25	1	10	ug/L
105-60-2	Caprolactam	1	U	1	1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.4	1	10	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.32	1	10	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.56	1	10	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.4	1	10	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10	ug/L
88-74-4	2-Nitroaniline	1	U	0.49	1	10	ug/L
131-11-3	Dimethylphthalate	3.1	J	0.22	1	10	ug/L
208-96-8	Acenaphthylene	1	U	0.7	1	10	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.32	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072235.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10	ug/L
51-28-5	2,4-Dinitrophenol	8	U	2.1	8	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10	ug/L
84-66-2	Diethylphthalate	1	U	0.38	1	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10	ug/L
86-73-7	Fluorene	1	U	0.31	1	10	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.74	2	10	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.6	1	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10	ug/L
1912-24-9	Atrazine	1	U	0.4	1	10	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10	ug/L
85-01-8	Phenanthrene	1	U	0.26	1	10	ug/L
120-12-7	Anthracene	1	U	0.16	1	10	ug/L
86-74-8	Carbazole	1	U	0.22	1	10	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10	ug/L
206-44-0	Fluoranthene	1	U	0.4	1	10	ug/L
129-00-0	Pyrene	1	U	0.2	1	10	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10	ug/L
218-01-9	Chrysene	1	U	0.18	1	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.51	1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.29	1	10	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.42	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072235.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.29	1	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	66.7		10 - 130		44%	SPK: 150
13127-88-3	Phenol-d6	40		10 - 130		27%	SPK: 150
4165-60-0	Nitrobenzene-d5	80		36 - 131		80%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.3		39 - 131		85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		25 - 155		89%	SPK: 150
1718-51-0	Terphenyl-d14	91.4		23 - 130		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44882	7.17				
1146-65-2	Naphthalene-d8	191595	8.74				
15067-26-2	Acenaphthene-d10	100203	10.92				
1517-22-2	Phenanthrene-d10	186733	12.75				
1719-03-5	Chrysene-d12	202586	16.01				
1520-96-3	Perylene-d12	187498	17.66				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	99	J			1.64	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.6	A			4.89	ug/L
	unknown6.87	82.6	J			6.87	ug/L
000112-27-6	Triethylene glycol	3.2	J			10.67	ug/L
000057-10-3	n-Hexadecanoic acid	19.2	J			13.5	ug/L
002091-29-4	9-Hexadecenoic acid	39.5	J			14.38	ug/L
000112-37-8	Undecanoic acid	10	J			14.47	ug/L
	unknown18.38	2.4	J			18.38	ug/L
	unknown19.56	4	J			19.56	ug/L



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072235.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017001.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1.3		0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	5.5		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2.6		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	7.6		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	2		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017001.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.55	J	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		69 - 133		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN017001.D	1		07/04/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.2		58 - 135		120%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	235168	7.87				
540-36-3	1,4-Difluorobenzene	391517	8.79				
3114-55-4	Chlorobenzene-d5	425744	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	199749	13.56				

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D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 09:55
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(7-9)	SDG No.:	F2918
Lab Sample ID:	F2918-13	Matrix:	SOIL
		% Solid:	83

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.78		1	0	0	0	mg/Kg		07/01/14 09:05	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:26	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments: _____

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H = Sample Analysis Out Of Hold Time

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:20
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-6(12-14)	SDG No.:	F2918
Lab Sample ID:	F2918-14	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.87		1	0	0	0	mg/Kg		07/01/14 09:07	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:26	9012B
Reactive Sulfide	16		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 12:10
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-9(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-15	Matrix:	SOIL
		% Solid:	87.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9		1	0	0	0	mg/Kg		07/01/14 09:08	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:26	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

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N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 14:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(9-11)	SDG No.:	F2918
Lab Sample ID:	F2918-16	Matrix:	SOIL
		% Solid:	84

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.79		1	0	0	0	mg/Kg		07/01/14 09:09	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:26	9012B
Reactive Sulfide	27		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

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H = Sample Analysis Out Of Hold Time

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 14:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-7(14-16)	SDG No.:	F2918
Lab Sample ID:	F2918-17	Matrix:	SOIL
		% Solid:	87.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.66		1	0	0	0	mg/Kg		07/01/14 09:10	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:26	9012B
Reactive Sulfide	20		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 09:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-17(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-18	Matrix:	SOIL
		% Solid:	72.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.71		1	0	0	0	mg/Kg		07/01/14 09:11	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:33	9012B
Reactive Sulfide	19		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

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D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 10:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-16(0-5)	SDG No.:	F2918
Lab Sample ID:	F2918-19	Matrix:	SOIL
		% Solid:	77.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.79		1	0	0	0	mg/Kg		07/01/14 09:12	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 18:06	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-20	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
CBOD5	2	HU	1	2	2	2	mg/L		06/27/14 12:10	SM5210B
Chloride	1030		1	0.4	2.5	5	mg/L	07/03/14	07/03/14 14:10	SM4500-CL C
Flashpoint	>212		1	0	0	0	o F	07/03/14	07/03/14 09:45	1010A
Hexavalent Chromium	0.005	HU	1	0.005	0.005	0.01	mg/L	06/27/14	06/27/14 11:32	SM3500-Cr-B
Nitrate+Nitrite	16	OR	1	0.25	0.25	0.25	mg/L	06/27/14	06/27/14 21:23	300
Nonpolar Material	1.5	J	1	0.679	2.5	5	mg/L	07/02/14	07/02/14 13:45	1664A
TKN	0.305	J	1	0.096	0.25	0.5	mg/L	07/02/14	07/03/14 10:19	SM4500-N Org B or C
Total Nitrogen	14.9		1	0.75	0.75	0.75	mg/L	07/03/14	07/03/14 00:00	CAL
TS	2900		1	10	10	10	mg/L		06/30/14 16:45	SM2540B
TSS	430		1	4	4	4	mg/L		06/30/14 15:30	SM2540D

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17DL	SDG No.:	F2918
Lab Sample ID:	F2918-20DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate+Nitrite	14.6	D	2	0.5	0.5	0.5	mg/L	06/28/14	06/28/14 10:33	300

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-20	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-43-9	Cadmium	1.5	U	1	0.4	1.5	3	ug/L	07/02/14	07/03/14	EPA 200.7
7440-50-8	Copper	17.2		1	2.6	5.0	10	ug/L	07/02/14	07/03/14	EPA 200.7
7439-92-1	Lead	52.7		1	1.8	3.0	6	ug/L	07/02/14	07/03/14	EPA 200.7
7439-97-6	Mercury	0.781		1	0.07	0.1	0.2	ug/L	07/01/14	07/02/14	E245.1
7440-02-0	Nickel	32.7		1	3.7	10.0	20	ug/L	07/02/14	07/03/14	EPA 200.7
7440-66-6	Zinc	72.3		1	5.6	10.0	20	ug/L	07/02/14	07/03/14	EPA 200.7

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group2			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-20	Matrix:	Water
Analytical Method:	608	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003796.D	1	07/01/14	07/04/14	PB77537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.025	U	0.02	0.025	0.051	ug/L
11104-28-2	Aroclor-1221	0.025	U	0.02	0.025	0.051	ug/L
11141-16-5	Aroclor-1232	0.025	U	0.008	0.025	0.051	ug/L
53469-21-9	Aroclor-1242	0.025	U	0.01	0.025	0.051	ug/L
12672-29-6	Aroclor-1248	0.025	U	0.015	0.025	0.051	ug/L
11097-69-1	Aroclor-1254	0.025	U	0.012	0.025	0.051	ug/L
11096-82-5	Aroclor-1260	0.025	U	0.024	0.025	0.051	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.4		18 - 163		82%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		10 - 177		92%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-20	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group2
Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086576.d	1	07/01/14	07/02/14	PB77538

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
108-95-2	Phenol	1.3	U	0.47	1.3	2.6	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.3	U	0.14	1.3	2.6	ug/L
91-20-3	Naphthalene	1.3	U	0.2	1.3	2.6	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	100		10 - 160		101%	SPK: 100
13127-88-3	Phenol-d6	69		10 - 161		69%	SPK: 100
4165-60-0	Nitrobenzene-d5	200	*	25 - 124		198%	SPK: 100
321-60-8	2-Fluorobiphenyl	20	*	20 - 129		-20%	SPK: 100
118-79-6	2,4,6-Tribromophenol	190	*	10 - 140		193%	SPK: 100
1718-51-0	Terphenyl-d14	170	*	14 - 155		171%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	232373	6.76				
1146-65-2	Naphthalene-d8	1028780	8.33				
15067-26-2	Acenaphthene-d10	504698	10.48				
1517-22-2	Phenanthrene-d10	740964	12.27				
1719-03-5	Chrysene-d12	571564	15.5				
1520-96-3	Perylene-d12	458481	17.1				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17RE	SDG No.:	F2918
Lab Sample ID:	F2918-20RE	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group2
Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072322.D	1	07/01/14	07/04/14	PB77538

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
108-95-2	Phenol	1.3	U	0.47	1.3	2.6	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.3	U	0.14	1.3	2.6	ug/L
91-20-3	Naphthalene	1.3	U	0.2	1.3	2.6	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	100		10 - 160		101%	SPK: 100
13127-88-3	Phenol-d6	64.1		10 - 161		64%	SPK: 100
4165-60-0	Nitrobenzene-d5	200	*	25 - 124		198%	SPK: 100
321-60-8	2-Fluorobiphenyl	170	*	20 - 129		174%	SPK: 100
118-79-6	2,4,6-Tribromophenol	210	*	10 - 140		206%	SPK: 100
1718-51-0	Terphenyl-d14	170	*	14 - 155		175%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46159	7.11				
1146-65-2	Naphthalene-d8	206010	8.69				
15067-26-2	Acenaphthene-d10	104843	10.85				
1517-22-2	Phenanthrene-d10	186374	12.68				
1719-03-5	Chrysene-d12	201034	15.95				
1520-96-3	Perylene-d12	176363	17.63				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-20	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG049759.D	1		07/01/14	VG070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1634-04-4	Methyl tert-Butyl Ether	2.5	U	0.41	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	2.5	U	0.57	2.5	5	ug/L
67-66-3	Chloroform	2.6	J	0.19	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	2.5	U	0.3	2.5	5	ug/L
71-43-2	Benzene	2.5	U	0.26	2.5	5	ug/L
108-88-3	Toluene	2.5	U	0.17	2.5	5	ug/L
127-18-4	Tetrachloroethene	400	E	0.86	2.5	5	ug/L
100-41-4	Ethyl Benzene	2.5	U	0.26	2.5	5	ug/L
1330-20-7	Total Xylenes	7.5	U	0.57	7.5	15	ug/L
106-46-7	1,4-Dichlorobenzene	2.5	U	0.22	2.5	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.9		50 - 169		153%	SPK: 30
2037-26-5	Toluene-d8	23.8		66 - 137		79%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		56 - 143		96%	SPK: 30
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	48576	3.42				
540-36-3	1,4-Difluorobenzene	737596	5.26				
3114-55-4	Chlorobenzene-d5	1357550	9.97				
TENTATIVE IDENTIFIED COMPOUNDS							
75-01-4	Vinyl Chloride	1.8	J			1.07	ug/L
156-60-5	trans-1,2-Dichloroethene	3.6	J			2.18	ug/L
156-59-2	cis-1,2-Dichloroethene	17.3	J			3.22	ug/L
79-01-6	Trichloroethene	14	J			5.15	ug/L

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17DL	SDG No.:	F2918
Lab Sample ID:	F2918-20DL	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG049760.D	10		07/01/14	VG070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1634-04-4	Methyl tert-Butyl Ether	25	UD	4.1	25	50	ug/L
56-23-5	Carbon Tetrachloride	25	UD	5.7	25	50	ug/L
67-66-3	Chloroform	25	UD	1.9	25	50	ug/L
71-55-6	1,1,1-Trichloroethane	25	UD	3	25	50	ug/L
71-43-2	Benzene	25	UD	2.6	25	50	ug/L
108-88-3	Toluene	25	UD	1.7	25	50	ug/L
127-18-4	Tetrachloroethene	400	D	8.6	25	50	ug/L
100-41-4	Ethyl Benzene	25	UD	2.6	25	50	ug/L
1330-20-7	Total Xylenes	75	UD	5.7	75	150	ug/L
106-46-7	1,4-Dichlorobenzene	25	UD	2.2	25	50	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.8		50 - 169		143%	SPK: 30
2037-26-5	Toluene-d8	24.2		66 - 137		81%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.9		56 - 143		96%	SPK: 30
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	54661	3.43				
540-36-3	1,4-Difluorobenzene	732196	5.26				
3114-55-4	Chlorobenzene-d5	1306690	9.97				

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N = Presumptive Evidence of a Compound

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D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-9	SDG No.:	F2918
Lab Sample ID:	F2918-21	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.33	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.43	J	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	32.3		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.5	U	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	2.8	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	5.7		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	1.3	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.23	J	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	417		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	14	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	16.4		1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.041	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.13	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	12	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-7	SDG No.:	F2918
Lab Sample ID:	F2918-22	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1	U	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.5	U	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	1.3	J	1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.5	U	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	0.19	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	0.25	J	1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	1	U*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.5	U	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	18.7		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	0.49	J*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	1.1	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.5	U	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	0.54	J*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-17	SDG No.:	F2918
Lab Sample ID:	F2918-23	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.18	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	1.3		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	69.2		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.23	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	0.53	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	41.6		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	3.6	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.17	J	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	3370		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	17.7	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	15.4		1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.04	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	11	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-16	SDG No.:	F2918
Lab Sample ID:	F2918-24	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.29	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	1.9		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	89		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.5	U	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	0.91	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	2.6		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	2.1	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.053	J	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	2230		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	9.1	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	2.3	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.5	U	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	1.9	J*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

DATA FOR
VOLATILE ORGANICS
SEMI-VOLATILE ORGANICS
GC SEMI-VOLATILES
METALS
GENERAL CHEMISTRY

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX

DVIRKA & BARTILUCCI
330 Crossways Park Drive

Woodbury, NY - 11797
Phone No: 516-364-9890

ORDER ID : F2923
ATTENTION : MARIA WRIGHT



DoD ELAP



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date : 07/07/2014

Dear MARIA WRIGHT,

6 water and **8** soil samples for the **NYCSCA Unionport Road Bronx** project were received on **06/27/2014**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Corey J. Petitt

Corey@chemtech.net

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 028223

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION													
REPORT TO BE SENT TO: COMPANY: <u>D & B Engineers & Arch</u> ADDRESS: <u>330 Crossway Park Drive</u> CITY: <u>Woodbury</u> STATE: <u>NY</u> ZIP: <u>11791</u> ATTENTION: <u>Mike Hofgren</u> PHONE: <u>516-364-9890</u> FAX: _____			PROJECT NAME: <u>Union Port, Bronx</u> PROJECT NO: <u>3415-F2</u> LOCATION: <u>Bronx, NY</u> PROJECT MANAGER: <u>Mike Hofgren</u> e-mail: <u>mhofgren@db-eng.com</u> PHONE: _____ FAX: _____			BILL TO: <u>Same</u> PO#: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____													
DATA TURNAROUND INFORMATION FAX: _____ DAYS * HARD COPY: _____ DAYS * EDD: _____ DAYS * PREAPPROVED TAT: <input type="checkbox"/> YES <input type="checkbox"/> NO * STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			DATA DELIVERABLE INFORMATION <input type="checkbox"/> LEVEL 1: Results only <input type="checkbox"/> Others _____ <input type="checkbox"/> LEVEL 2: Results + QC <input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC <input type="checkbox"/> LEVEL 4: Results + QC (all raw data) <input type="checkbox"/> EDD Format: _____			ANALYSIS <div style="border: 1px solid black; padding: 5px; transform: rotate(-15deg);"> 1. TC/LCP-51 VOC 2. TC/LCP-51 SVOC 3. TAL Metals 4. PCBs 5. TCL Pesticides 6. Hexavalent Chromium 7. Cyanides 8. TPH DRO/GRO 9. RCRA Characteristic TCLP Hold for Analysis </div>													
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9			
1. GP	SS-19 (10"-24")	Soil	✓	✓	6/25/14	10:00	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hold
2. GP	SS-14 (6"-18")	Soil	✓	✓	6/25/14	11:45	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold
3. GP	SS-15 (6"-20")	Soil	✓	✓	6/24/14	10:30	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold
4. GP	SS-18 (6"-18")	Soil	✓	✓	6/26/14	12:30	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TCLP Hold
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant
1. <u>[Signature]</u>	<u>6/26/14 4:00</u>	1. _____	Cooler Temp. _____
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	Ice in Cooler?: _____
2. _____	_____	2. _____	
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:	
3. _____	_____	3. _____	

Comments: TAL Metals (Less Al, Ca, Fe, K, Mg and Na)

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
 CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 031800

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION											
REPORT TO BE SENT TO: COMPANY: <u>D&B Eng'g & Arch</u> ADDRESS: <u>330 Crossway Park Drive</u> CITY: <u>Woodbury</u> STATE: <u>NY</u> ZIP: <u>11797</u> ATTENTION: <u>Mike Hofgren</u> PHONE: <u>516-364-9890</u> FAX: _____				PROJECT NAME: <u>Same Union Int, Bronx</u> PROJECT NO.: <u>3415-F2</u> LOCATION: <u>Bronx, NY</u> PROJECT MANAGER: <u>Mike Hofgren</u> e-mail: <u>mhofgren@db-eng.com</u> PHONE: _____ FAX: _____				BILL TO: <u>Same</u> PO#: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____											
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION				ANALYSIS											
FAX: _____ DAYS * HARD COPY: <u>5 days</u> DAYS * EDD: _____ DAYS * PREAPPROVED TAT: <input type="checkbox"/> YES <input type="checkbox"/> NO * STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				<input type="checkbox"/> LEVEL 1: Results only <input type="checkbox"/> Others _____ <input type="checkbox"/> LEVEL 2: Results + QC <input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC <input type="checkbox"/> LEVEL 4: Results + QC (all raw data) <input type="checkbox"/> EDD Format: _____				1 2 3 4 5 6 7 8 9 TCL/CP-SI VOCs TCL/CP-SI SVOCs PCBs TAL Metal (Total Hg, Cu, Fe, K, Mg, and Na)											
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9			
1. <u>GW</u>	<u>SS-11 (GW)</u>	<u>GW</u>			<u>6-24-14</u>	<u>11:30</u>	<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other
2. <u>GW</u>	<u>SS-15 (GW)</u>	<u>GW</u>			<u>6/25/14</u>	<u>10:30</u>	<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
3. <u>GW</u>	<u>SS-18 (GW)</u>	<u>GW</u>			<u>6/26/14</u>	<u>12:30</u>	<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant	Cooler Temp. _____
1. <u>PKAR</u>	<u>6/26/14 4:40 PM</u>		MeOH extraction requires an additional 4 oz jar for percent solid. Comments: <u>Filter in Lab Metals</u>	Ice in Cooler?: _____
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:		
2.		2.		
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:		
3.		3.		

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
 CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT.

Shipment Complete: ☐ YES ☐ NO



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
		% Solid:	79.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	U	1	0.04	0.15	0.3	mg/Kg	07/01/14	07/02/14 11:34	9012B
Hexavalent Chromium	0.25	J	1	0.1	0.25	0.5	mg/Kg	07/02/14	07/02/14 15:19	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923		
Lab Sample ID:	F2923-01	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	20.6	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012016.D	1	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	2096		1050	1050	2100	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	10.9		37 - 130		55%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923		
Lab Sample ID:	F2923-01	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	20.6	Decanted:	
Sample Wt/Vol:	5.03	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004520.D	1		07/07/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	28	U	15	28	56	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	13.5		50 - 150		68%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010333.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	21	U	16.7	21	84.2	ug/Kg
120-36-5	DICHLORPROP	21	U	15.5	21	84.2	ug/Kg
94-75-7	2,4-D	21	U	21	21	84.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	21	U	13.7	21	84.2	ug/Kg
93-76-5	2,4,5-T	21	U	12.9	21	84.2	ug/Kg
94-82-6	2,4-DB	21	U	21	21	84.2	ug/Kg
88-85-7	DINOSEB	21	U	21	21	84.2	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	399		12 - 189		80%	SPK: 500

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.35	UN	1	0.603	1.35	2.69	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	2.65		1	0.355	0.538	1.08	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	87		1	0.431	2.69	5.38	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.487		1	0.065	0.161	0.323	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.161	U	1	0.065	0.161	0.323	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	23		1	0.14	0.269	0.538	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	10.1		1	0.614	0.807	1.61	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	23.6		1	0.344	0.538	1.08	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	26.4	N	1	0.129	0.323	0.646	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	400		1	0.205	0.538	1.08	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.007	J	1	0.006	0.006	0.011	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	18.6		1	0.495	1.08	2.15	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	0.951	J	1	0.441	0.538	1.08	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.802		1	0.161	0.269	0.538	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	1.08	U	1	0.291	1.08	2.15	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	30.1		1	0.635	1.08	2.15	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	59.7		1	0.754	1.08	2.15	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923		
Lab Sample ID:	F2923-01	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	20.6	Decanted:	
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	PCB
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003690.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.2	U	4.2	4.2	21.4	ug/kg
11104-28-2	Aroclor-1221	4.2	U	4.2	4.2	21.4	ug/kg
11141-16-5	Aroclor-1232	4.2	U	4.2	4.2	21.4	ug/kg
53469-21-9	Aroclor-1242	4.2	U	4.2	4.2	21.4	ug/kg
12672-29-6	Aroclor-1248	4.2	U	4.2	4.2	21.4	ug/kg
11097-69-1	Aroclor-1254	4.2	U	1.9	4.2	21.4	ug/kg
11096-82-5	Aroclor-1260	4.2	U	4.2	4.2	21.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18		10 - 166		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		60 - 125		70%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	20.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023227.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.415	U	0.164	0.415	2.1	ug/kg
319-85-7	beta-BHC	0.415	U	0.227	0.415	2.1	ug/kg
319-86-8	delta-BHC	0.415	U	0.126	0.415	2.1	ug/kg
58-89-9	gamma-BHC (Lindane)	0.415	U	0.189	0.415	2.1	ug/kg
76-44-8	Heptachlor	0.415	U	0.176	0.415	2.1	ug/kg
309-00-2	Aldrin	0.415	U	0.126	0.415	2.1	ug/kg
1024-57-3	Heptachlor epoxide	0.415	U	0.201	0.415	2.1	ug/kg
959-98-8	Endosulfan I	0.415	U	0.189	0.415	2.1	ug/kg
60-57-1	Dieldrin	0.415	U	0.164	0.415	2.1	ug/kg
72-55-9	4,4-DDE	0.415	U	0.252	0.415	2.1	ug/kg
72-20-8	Endrin	0.415	U	0.227	0.415	2.1	ug/kg
33213-65-9	Endosulfan II	0.415	U	0.176	0.415	2.1	ug/kg
72-54-8	4,4-DDD	0.415	U	0.214	0.415	2.1	ug/kg
1031-07-8	Endosulfan Sulfate	0.415	U	0.189	0.415	2.1	ug/kg
50-29-3	4,4-DDT	0.415	U	0.176	0.415	2.1	ug/kg
72-43-5	Methoxychlor	0.415	U	0.214	0.415	2.1	ug/kg
53494-70-5	Endrin ketone	0.415	U	0.164	0.415	2.1	ug/kg
7421-93-4	Endrin aldehyde	0.415	U	0.189	0.415	2.1	ug/kg
5103-71-9	alpha-Chlordane	0.415	U	0.176	0.415	2.1	ug/kg
5103-74-2	gamma-Chlordane	0.415	U	0.164	0.415	2.1	ug/kg
8001-35-2	Toxaphene	4.2	U	4.2	4.2	21.4	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19		10 - 169		95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		31 - 151		107%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923		
Lab Sample ID:	F2923-01	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	20.6	Decanted:	
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023227.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072244.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	41.9	U	21.9	41.9	410	ug/Kg
108-95-2	Phenol	41.9	U	9.7	41.9	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	41.9	U	20.1	41.9	410	ug/Kg
95-57-8	2-Chlorophenol	41.9	U	22.1	41.9	410	ug/Kg
95-48-7	2-Methylphenol	41.9	U	22.7	41.9	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.9	U	17.3	41.9	410	ug/Kg
98-86-2	Acetophenone	41.9	U	12.8	41.9	410	ug/Kg
65794-96-9	3+4-Methylphenols	41.9	U	21.7	41.9	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.9	U	21.1	41.9	410	ug/Kg
67-72-1	Hexachloroethane	41.9	U	18.7	41.9	410	ug/Kg
98-95-3	Nitrobenzene	41.9	U	15.8	41.9	410	ug/Kg
78-59-1	Isophorone	41.9	U	13.8	41.9	410	ug/Kg
88-75-5	2-Nitrophenol	41.9	U	20.2	41.9	410	ug/Kg
105-67-9	2,4-Dimethylphenol	41.9	U	23.7	41.9	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	41.9	U	24.1	41.9	410	ug/Kg
120-83-2	2,4-Dichlorophenol	41.9	U	16	41.9	410	ug/Kg
91-20-3	Naphthalene	41.9	U	14.4	41.9	410	ug/Kg
106-47-8	4-Chloroaniline	41.9	U	29.5	41.9	410	ug/Kg
87-68-3	Hexachlorobutadiene	41.9	U	15.2	41.9	410	ug/Kg
105-60-2	Caprolactam	83.8	U	19.5	83.8	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41.9	U	18.6	41.9	410	ug/Kg
91-57-6	2-Methylnaphthalene	41.9	U	10.6	41.9	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	41.9	U	10.2	41.9	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	41.9	U	12.8	41.9	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	41.9	U	29.4	41.9	410	ug/Kg
92-52-4	1,1-Biphenyl	41.9	U	15.8	41.9	410	ug/Kg
91-58-7	2-Chloronaphthalene	41.9	U	9.5	41.9	410	ug/Kg
88-74-4	2-Nitroaniline	41.9	U	18.6	41.9	410	ug/Kg
131-11-3	Dimethylphthalate	690		11.3	41.9	410	ug/Kg
208-96-8	Acenaphthylene	41.9	U	10.6	41.9	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.9	U	17.1	41.9	410	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072244.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	83.8	U	26.9	83.8	410	ug/Kg
83-32-9	Acenaphthene	41.9	U	11.8	41.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	42.6	340	410	ug/Kg
100-02-7	4-Nitrophenol	210	U	77.8	210	410	ug/Kg
132-64-9	Dibenzofuran	41.9	U	16.3	41.9	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	41.9	U	12.6	41.9	410	ug/Kg
84-66-2	Diethylphthalate	41.9	U	6.5	41.9	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	41.9	U	22.7	41.9	410	ug/Kg
86-73-7	Fluorene	41.9	U	15.8	41.9	410	ug/Kg
100-01-6	4-Nitroaniline	83.8	U	54.5	83.8	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	24	210	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	41.9	U	10.1	41.9	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	41.9	U	8.2	41.9	410	ug/Kg
118-74-1	Hexachlorobenzene	41.9	U	17.1	41.9	410	ug/Kg
1912-24-9	Atrazine	41.9	U	22.1	41.9	410	ug/Kg
87-86-5	Pentachlorophenol	41.9	U	28.6	41.9	410	ug/Kg
85-01-8	Phenanthrene	41.9	U	11.3	41.9	410	ug/Kg
120-12-7	Anthracene	41.9	U	8.5	41.9	410	ug/Kg
86-74-8	Carbazole	41.9	U	9.2	41.9	410	ug/Kg
84-74-2	Di-n-butylphthalate	41.9	U	32.9	41.9	410	ug/Kg
206-44-0	Fluoranthene	41.9	U	8.4	41.9	410	ug/Kg
129-00-0	Pyrene	41.9	U	10.1	41.9	410	ug/Kg
85-68-7	Butylbenzylphthalate	41.9	U	20.1	41.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.9	U	26.9	41.9	410	ug/Kg
56-55-3	Benzo(a)anthracene	41.9	U	20	41.9	410	ug/Kg
218-01-9	Chrysene	41.9	U	19	41.9	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	14.8	41.9	410	ug/Kg
117-84-0	Di-n-octyl phthalate	41.9	U	4.8	41.9	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	41.9	U	13.7	41.9	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	41.9	U	19.7	41.9	410	ug/Kg
50-32-8	Benzo(a)pyrene	41.9	U	9	41.9	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	41.9	U	13.9	41.9	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41.9	U	12.1	41.9	410	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072244.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	41.9	U	17	41.9	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9	U	16.5	41.9	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41.9	U	16.5	41.9	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		72%	SPK: 150
13127-88-3	Phenol-d6	96.9		34 - 127		65%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.5		31 - 132		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.2		39 - 123		61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		30 - 133		68%	SPK: 150
1718-51-0	Terphenyl-d14	53.7		37 - 115		54%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47401	7.17				
1146-65-2	Naphthalene-d8	202889	8.74				
15067-26-2	Acenaphthene-d10	105199	10.9				
1517-22-2	Phenanthrene-d10	196173	12.73				
1719-03-5	Chrysene-d12	218642	16.01				
1520-96-3	Perylene-d12	202476	17.69				
TENTATIVE IDENTIFIED COMPOUNDS							
000096-37-7	Cyclopentane, methyl-	1200	J			1.17	ug/Kg
000077-76-9	Propane, 2,2-dimethoxy-	15400	JB			1.37	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	460	AB			4.89	ug/Kg
	unknown6.87	3300	JB			6.87	ug/Kg
000063-42-3	Lactose	210	J			13.49	ug/Kg
001599-67-3	1-Docosene	310	J			15.92	ug/Kg
	unknown16.91	190	J			16.91	ug/Kg



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072244.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	17.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042198.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.18	U	0.18	0.18	1.8	ug/Kg
74-87-3	Chloromethane	0.18	U	0.18	0.18	1.8	ug/Kg
75-01-4	Vinyl Chloride	0.18	U	0.18	0.18	1.8	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	0.37	1.8	ug/Kg
75-00-3	Chloroethane	0.18	U	0.18	0.18	1.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.18	U	0.18	0.18	1.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.18	U	0.18	0.18	1.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.18	U	0.18	0.18	1.8	ug/Kg
67-64-1	Acetone	0.92	U	0.92	0.92	9.2	ug/Kg
75-15-0	Carbon Disulfide	0.18	U	0.18	0.18	1.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.18	U	0.18	0.18	1.8	ug/Kg
79-20-9	Methyl Acetate	0.37	U	0.37	0.37	1.8	ug/Kg
75-09-2	Methylene Chloride	1.6	JQ	0.18	0.18	1.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.18	U	0.18	0.18	1.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.18	U	0.18	0.18	1.8	ug/Kg
110-82-7	Cyclohexane	0.18	U	0.18	0.18	1.8	ug/Kg
78-93-3	2-Butanone	2.8	U	1.2	2.8	9.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.18	U	0.18	0.18	1.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.18	U	0.18	0.18	1.8	ug/Kg
74-97-5	Bromochloromethane	0.18	U	0.18	0.18	1.8	ug/Kg
67-66-3	Chloroform	0.18	U	0.18	0.18	1.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.18	U	0.18	0.18	1.8	ug/Kg
108-87-2	Methylcyclohexane	0.18	U	0.18	0.18	1.8	ug/Kg
71-43-2	Benzene	0.18	U	0.14	0.18	1.8	ug/Kg
107-06-2	1,2-Dichloroethane	0.18	U	0.18	0.18	1.8	ug/Kg
79-01-6	Trichloroethene	0.94	J	0.18	0.18	1.8	ug/Kg
78-87-5	1,2-Dichloropropane	0.18	U	0.1	0.18	1.8	ug/Kg
75-27-4	Bromodichloromethane	0.18	U	0.18	0.18	1.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	0.92	U	0.92	0.92	9.2	ug/Kg
108-88-3	Toluene	0.18	U	0.18	0.18	1.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.18	U	0.18	0.18	1.8	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	17.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042198.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	0.18	1.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.37	U	0.33	0.37	1.8	ug/Kg
591-78-6	2-Hexanone	0.92	U	0.92	0.92	9.2	ug/Kg
124-48-1	Dibromochloromethane	0.18	U	0.18	0.18	1.8	ug/Kg
106-93-4	1,2-Dibromoethane	0.18	U	0.18	0.18	1.8	ug/Kg
127-18-4	Tetrachloroethene	150	E	0.18	0.18	1.8	ug/Kg
108-90-7	Chlorobenzene	0.18	U	0.18	0.18	1.8	ug/Kg
100-41-4	Ethyl Benzene	0.18	U	0.18	0.18	1.8	ug/Kg
179601-23-1	m/p-Xylenes	0.37	U	0.27	0.37	3.7	ug/Kg
95-47-6	o-Xylene	0.18	U	0.18	0.18	1.8	ug/Kg
100-42-5	Styrene	0.18	U	0.17	0.18	1.8	ug/Kg
75-25-2	Bromoform	0.55	U	0.27	0.55	1.8	ug/Kg
98-82-8	Isopropylbenzene	0.18	U	0.18	0.18	1.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.17	0.18	1.8	ug/Kg
103-65-1	n-propylbenzene	0.18	U	0.13	0.18	1.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.17	0.18	1.8	ug/Kg
98-06-6	tert-Butylbenzene	0.18	U	0.18	0.18	1.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	0.18	1.8	ug/Kg
135-98-8	sec-Butylbenzene	0.18	U	0.18	0.18	1.8	ug/Kg
99-87-6	p-Isopropyltoluene	0.18	UQ	0.11	0.18	1.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.18	U	0.14	0.18	1.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.18	U	0.15	0.18	1.8	ug/Kg
104-51-8	n-Butylbenzene	0.18	UQ	0.17	0.18	1.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2	Q	0.18	0.18	1.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.8	U	0.32	1.8	1.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.18	UQ	0.18	0.18	1.8	ug/Kg
91-20-3	Naphthalene	0.18	UQ	0.17	0.18	1.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.37	UQ	0.18	0.37	1.8	ug/Kg
123-91-1	1,4-Dioxane	37	U	37	37	37	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.3		56 - 120		91%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		57 - 135		90%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	17.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042198.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	44		67 - 123		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		33 - 141		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147207	4.85				
540-36-3	1,4-Difluorobenzene	236243	5.58				
3114-55-4	Chlorobenzene-d5	202757	9.74				
3855-82-1	1,4-Dichlorobenzene-d4	89425	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)DL	SDG No.:	F2923
Lab Sample ID:	F2923-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	14.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013935.D	1		07/02/14	VR070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.8	UD	10.8	10.8	110	ug/Kg
74-87-3	Chloromethane	10.8	UD	10.8	10.8	110	ug/Kg
75-01-4	Vinyl Chloride	10.8	UD	10.8	10.8	110	ug/Kg
74-83-9	Bromomethane	21.6	UD	21.6	21.6	110	ug/Kg
75-00-3	Chloroethane	10.8	UD	10.8	10.8	110	ug/Kg
75-69-4	Trichlorofluoromethane	10.8	UD	10.8	10.8	110	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10.8	UD	10.8	10.8	110	ug/Kg
75-35-4	1,1-Dichloroethene	10.8	UD	10.8	10.8	110	ug/Kg
67-64-1	Acetone	54	UD	54	54	540	ug/Kg
75-15-0	Carbon Disulfide	10.8	UDQ	10.8	10.8	110	ug/Kg
1634-04-4	Methyl tert-butyl Ether	10.8	UD	10.8	10.8	110	ug/Kg
79-20-9	Methyl Acetate	21.6	UD	21.6	21.6	110	ug/Kg
75-09-2	Methylene Chloride	10.8	UD	10.8	10.8	110	ug/Kg
156-60-5	trans-1,2-Dichloroethene	10.8	UD	10.8	10.8	110	ug/Kg
75-34-3	1,1-Dichloroethane	10.8	UD	10.8	10.8	110	ug/Kg
110-82-7	Cyclohexane	10.8	UD	10.8	10.8	110	ug/Kg
78-93-3	2-Butanone	160	UD	67.2	160	540	ug/Kg
56-23-5	Carbon Tetrachloride	10.8	UD	10.8	10.8	110	ug/Kg
156-59-2	cis-1,2-Dichloroethene	10.8	UD	10.8	10.8	110	ug/Kg
74-97-5	Bromochloromethane	10.8	UD	10.8	10.8	110	ug/Kg
67-66-3	Chloroform	10.8	UD	10.8	10.8	110	ug/Kg
71-55-6	1,1,1-Trichloroethane	10.8	UD	10.8	10.8	110	ug/Kg
108-87-2	Methylcyclohexane	10.8	UDQ	10.8	10.8	110	ug/Kg
71-43-2	Benzene	10.8	UD	8.2	10.8	110	ug/Kg
107-06-2	1,2-Dichloroethane	10.8	UD	10.8	10.8	110	ug/Kg
79-01-6	Trichloroethene	10.8	UD	10.8	10.8	110	ug/Kg
78-87-5	1,2-Dichloropropane	10.8	UD	5.6	10.8	110	ug/Kg
75-27-4	Bromodichloromethane	10.8	UD	10.8	10.8	110	ug/Kg
108-10-1	4-Methyl-2-Pentanone	54	UD	54	54	540	ug/Kg
108-88-3	Toluene	10.8	UD	10.8	10.8	110	ug/Kg
10061-02-6	t-1,3-Dichloropropene	10.8	UD	10.8	10.8	110	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)DL	SDG No.:	F2923
Lab Sample ID:	F2923-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	14.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013935.D	1		07/02/14	VR070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	10.8	UD	10.8	10.8	110	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.6	UD	19.4	21.6	110	ug/Kg
591-78-6	2-Hexanone	54	UD	54	54	540	ug/Kg
124-48-1	Dibromochloromethane	10.8	UD	10.8	10.8	110	ug/Kg
106-93-4	1,2-Dibromoethane	10.8	UD	10.8	10.8	110	ug/Kg
127-18-4	Tetrachloroethene	130	D	10.8	10.8	110	ug/Kg
108-90-7	Chlorobenzene	10.8	UD	10.8	10.8	110	ug/Kg
100-41-4	Ethyl Benzene	10.8	UDQ	10.8	10.8	110	ug/Kg
179601-23-1	m/p-Xylenes	21.6	UD	15.6	21.6	220	ug/Kg
95-47-6	o-Xylene	10.8	UD	10.8	10.8	110	ug/Kg
100-42-5	Styrene	10.8	UD	9.7	10.8	110	ug/Kg
75-25-2	Bromoform	32.4	UD	16	32.4	110	ug/Kg
98-82-8	Isopropylbenzene	10.8	UDQ	10.4	10.8	110	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	10.8	UD	9.9	10.8	110	ug/Kg
103-65-1	n-propylbenzene	10.8	UDQ	7.8	10.8	110	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	10.8	UDQ	9.7	10.8	110	ug/Kg
98-06-6	tert-Butylbenzene	10.8	UDQ	10.8	10.8	110	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	10.8	UDQ	10.8	10.8	110	ug/Kg
135-98-8	sec-Butylbenzene	10.8	UDQ	10.8	10.8	110	ug/Kg
99-87-6	p-Isopropyltoluene	10.8	UDQ	6.3	10.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	10.8	UD	8	10.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	10.8	UD	8.9	10.8	110	ug/Kg
104-51-8	n-Butylbenzene	10.8	UDQ	9.9	10.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	10.8	UD	10.8	10.8	110	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	110	UD	18.8	110	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	10.8	UD	10.8	10.8	110	ug/Kg
91-20-3	Naphthalene	10.8	UD	9.7	10.8	110	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.6	UD	10.8	21.6	110	ug/Kg
123-91-1	1,4-Dioxane	2200	UD	2200	2200	2200	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.1		56 - 120		112%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		57 - 135		96%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)DL	SDG No.:	F2923
Lab Sample ID:	F2923-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	14.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013935.D	1		07/02/14	VR070214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	56.2		67 - 123		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.9		33 - 141		116%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1125620	7.49				
540-36-3	1,4-Difluorobenzene	2078280	8.43				
3114-55-4	Chlorobenzene-d5	1966350	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	708817	13.22				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
		% Solid:	85.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.136	U	1	0.036	0.136	0.271	mg/Kg	07/01/14	07/02/14 11:34	9012B
Hexavalent Chromium	0.092	J	1	0.092	0.231	0.462	mg/Kg	07/02/14	07/02/14 15:20	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923		
Lab Sample ID:	F2923-02	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	14.7	Decanted:	
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012025.D	5	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	26883		4870	4870	9740	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	2.22		37 - 130		56%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923		
Lab Sample ID:	F2923-02	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	14.7	Decanted:	
Sample Wt/Vol:	5.01	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004526.D	1		07/08/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	26.5	U	14	26.5	53	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	15.7		50 - 150		79%	SPK: 20

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	14.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010334.D	1	07/01/14	07/03/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.5	U	15.5	19.5	78.5	ug/Kg
120-36-5	DICHLORPROP	19.5	U	14.5	19.5	78.5	ug/Kg
94-75-7	2,4-D	19.5	U	19.5	19.5	78.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.5	U	12.8	19.5	78.5	ug/Kg
93-76-5	2,4,5-T	19.5	U	12	19.5	78.5	ug/Kg
94-82-6	2,4-DB	19.5	U	19.5	19.5	78.5	ug/Kg
88-85-7	DINOSEB	19.5	U	19.5	19.5	78.5	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	404		12 - 189		81%	SPK: 500

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1	JN	1	0.554	1.24	2.47	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	3.61		1	0.326	0.495	0.989	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	68.6		1	0.396	2.47	4.95	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	1.63		1	0.059	0.148	0.297	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.179	J	1	0.059	0.148	0.297	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	21.1		1	0.129	0.247	0.495	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	75.1		1	0.564	0.742	1.48	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	61.1		1	0.317	0.495	0.989	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	11.4	N	1	0.119	0.297	0.594	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	1580		1	0.188	0.495	0.989	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.01	J	1	0.006	0.006	0.011	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	73.3		1	0.455	0.989	1.98	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	2.03		1	0.406	0.495	0.989	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	2.12		1	0.148	0.247	0.495	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.989	U	1	0.267	0.989	1.98	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	33.5		1	0.584	0.989	1.98	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	104		1	0.693	0.989	1.98	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923			
Lab Sample ID:	F2923-02	Matrix:	SOIL			
Analytical Method:	SW8082A	% Moisture:	14.7	Decanted:		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003691.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.9	U	3.9	3.9	19.9	ug/kg
11104-28-2	Aroclor-1221	3.9	U	3.9	3.9	19.9	ug/kg
11141-16-5	Aroclor-1232	3.9	U	3.9	3.9	19.9	ug/kg
53469-21-9	Aroclor-1242	3.9	U	3.9	3.9	19.9	ug/kg
12672-29-6	Aroclor-1248	3.9	U	3.9	3.9	19.9	ug/kg
11097-69-1	Aroclor-1254	3.9	U	1.7	3.9	19.9	ug/kg
11096-82-5	Aroclor-1260	3.9	U	3.9	3.9	19.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.5		10 - 166		82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 125		84%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	14.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023228.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.386	U	0.152	0.386	2	ug/kg
319-85-7	beta-BHC	0.386	U	0.211	0.386	2	ug/kg
319-86-8	delta-BHC	0.386	U	0.117	0.386	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.386	U	0.176	0.386	2	ug/kg
76-44-8	Heptachlor	0.386	U	0.164	0.386	2	ug/kg
309-00-2	Aldrin	0.386	U	0.117	0.386	2	ug/kg
1024-57-3	Heptachlor epoxide	0.386	U	0.187	0.386	2	ug/kg
959-98-8	Endosulfan I	0.386	U	0.176	0.386	2	ug/kg
60-57-1	Dieldrin	0.386	U	0.152	0.386	2	ug/kg
72-55-9	4,4-DDE	0.386	U	0.234	0.386	2	ug/kg
72-20-8	Endrin	0.386	U	0.211	0.386	2	ug/kg
33213-65-9	Endosulfan II	0.386	U	0.164	0.386	2	ug/kg
72-54-8	4,4-DDD	0.386	U	0.199	0.386	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.386	U	0.176	0.386	2	ug/kg
50-29-3	4,4-DDT	0.386	U	0.164	0.386	2	ug/kg
72-43-5	Methoxychlor	0.386	U	0.199	0.386	2	ug/kg
53494-70-5	Endrin ketone	0.386	U	0.152	0.386	2	ug/kg
7421-93-4	Endrin aldehyde	0.386	U	0.176	0.386	2	ug/kg
5103-71-9	alpha-Chlordane	0.386	U	0.164	0.386	2	ug/kg
5103-74-2	gamma-Chlordane	0.386	U	0.152	0.386	2	ug/kg
8001-35-2	Toxaphene	3.9	U	3.9	3.9	19.9	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.8		10 - 169		84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17		31 - 151		85%	SPK: 20



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923		
Lab Sample ID:	F2923-02	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	14.7	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023228.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

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E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072251.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	39.1	U	20.4	39.1	390	ug/Kg
108-95-2	Phenol	39.1	U	9	39.1	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	39.1	U	18.8	39.1	390	ug/Kg
95-57-8	2-Chlorophenol	39.1	U	20.6	39.1	390	ug/Kg
95-48-7	2-Methylphenol	39.1	U	21.2	39.1	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.1	U	16.2	39.1	390	ug/Kg
98-86-2	Acetophenone	39.1	U	12	39.1	390	ug/Kg
65794-96-9	3+4-Methylphenols	39.1	U	20.3	39.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.1	U	19.7	39.1	390	ug/Kg
67-72-1	Hexachloroethane	39.1	U	17.5	39.1	390	ug/Kg
98-95-3	Nitrobenzene	39.1	U	14.8	39.1	390	ug/Kg
78-59-1	Isophorone	39.1	U	12.9	39.1	390	ug/Kg
88-75-5	2-Nitrophenol	39.1	U	18.9	39.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	39.1	U	22.1	39.1	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	39.1	U	22.5	39.1	390	ug/Kg
120-83-2	2,4-Dichlorophenol	39.1	U	14.9	39.1	390	ug/Kg
91-20-3	Naphthalene	39.1	U	13.5	39.1	390	ug/Kg
106-47-8	4-Chloroaniline	39.1	U	27.5	39.1	390	ug/Kg
87-68-3	Hexachlorobutadiene	39.1	U	14.2	39.1	390	ug/Kg
105-60-2	Caprolactam	78.1	U	18.2	78.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	39.1	U	17.3	39.1	390	ug/Kg
91-57-6	2-Methylnaphthalene	39.1	U	9.8	39.1	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	39.1	U	9.5	39.1	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	39.1	U	12	39.1	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39.1	U	27.4	39.1	390	ug/Kg
92-52-4	1,1-Biphenyl	39.1	U	14.8	39.1	390	ug/Kg
91-58-7	2-Chloronaphthalene	39.1	U	8.9	39.1	390	ug/Kg
88-74-4	2-Nitroaniline	39.1	U	17.3	39.1	390	ug/Kg
131-11-3	Dimethylphthalate	760		10.5	39.1	390	ug/Kg
208-96-8	Acenaphthylene	39.1	U	9.8	39.1	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.1	U	15.9	39.1	390	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072251.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	78.1	U	25.1	78.1	390	ug/Kg
83-32-9	Acenaphthene	39.1	U	11	39.1	390	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	39.7	310	390	ug/Kg
100-02-7	4-Nitrophenol	200	U	72.5	200	390	ug/Kg
132-64-9	Dibenzofuran	39.1	U	15.2	39.1	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	39.1	U	11.7	39.1	390	ug/Kg
84-66-2	Diethylphthalate	39.1	U	6.1	39.1	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	39.1	U	21.2	39.1	390	ug/Kg
86-73-7	Fluorene	84.1	J	14.8	39.1	390	ug/Kg
100-01-6	4-Nitroaniline	78.1	U	50.9	78.1	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	22.4	200	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.1	U	9.4	39.1	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	39.1	U	7.6	39.1	390	ug/Kg
118-74-1	Hexachlorobenzene	39.1	U	15.9	39.1	390	ug/Kg
1912-24-9	Atrazine	39.1	U	20.6	39.1	390	ug/Kg
87-86-5	Pentachlorophenol	39.1	U	26.7	39.1	390	ug/Kg
85-01-8	Phenanthrene	39.1	U	10.5	39.1	390	ug/Kg
120-12-7	Anthracene	39.1	U	8	39.1	390	ug/Kg
86-74-8	Carbazole	39.1	U	8.6	39.1	390	ug/Kg
84-74-2	Di-n-butylphthalate	39.1	U	30.7	39.1	390	ug/Kg
206-44-0	Fluoranthene	39.1	U	7.9	39.1	390	ug/Kg
129-00-0	Pyrene	280	J	9.4	39.1	390	ug/Kg
85-68-7	Butylbenzylphthalate	39.1	U	18.8	39.1	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.1	U	25.1	39.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	39.1	U	18.6	39.1	390	ug/Kg
218-01-9	Chrysene	39.1	U	17.7	39.1	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	960		13.8	39.1	390	ug/Kg
117-84-0	Di-n-octyl phthalate	39.1	U	4.5	39.1	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	39.1	U	12.8	39.1	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	39.1	U	18.4	39.1	390	ug/Kg
50-32-8	Benzo(a)pyrene	39.1	U	8.4	39.1	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39.1	U	13	39.1	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	39.1	U	11.3	39.1	390	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072251.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	39.1	U	15.8	39.1	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	39.1	U	15.4	39.1	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	39.1	U	15.4	39.1	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		81%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.3		31 - 132		73%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.6		39 - 123		64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		72%	SPK: 150
1718-51-0	Terphenyl-d14	56.3		37 - 115		56%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43368	7.17				
1146-65-2	Naphthalene-d8	193411	8.74				
15067-26-2	Acenaphthene-d10	107362	10.9				
1517-22-2	Phenanthrene-d10	188648	12.75				
1719-03-5	Chrysene-d12	224723	16.01				
1520-96-3	Perylene-d12	211232	17.69				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown1.37	14700	J			1.37	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J			1.64	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	550	AB			4.88	ug/Kg
	unknown6.87	3600	JB			6.87	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	280	J			11.32	ug/Kg
000529-05-5	Azulene, 7-ethyl-1,4-dimethyl-	310	J			12.28	ug/Kg
002523-39-9	9H-Fluorene, 3-methyl-	280	J			12.3	ug/Kg
004612-63-9	9H-Fluorene, 2,3-dimethyl-	320	J			12.89	ug/Kg
001468-95-7	9-Anthracenemethanol	380	J			13.41	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J			13.49	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	330	J			13.93	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	550	J			14.06	ug/Kg
010544-50-0	Cyclic octaatomic sulfur	690	J			14.3	ug/Kg
003674-73-5	Phenanthrene, 2,3,5-trimethyl-	340	J			14.46	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.7
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072251.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
001599-67-3	1-Docosene	330	J			15.92	ug/Kg
	unknown16.92	1100	J			16.92	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.7
Sample Wt/Vol:	17.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042199.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.17	U	0.17	0.17	1.7	ug/Kg
74-87-3	Chloromethane	0.17	U	0.17	0.17	1.7	ug/Kg
75-01-4	Vinyl Chloride	0.17	U	0.17	0.17	1.7	ug/Kg
74-83-9	Bromomethane	0.33	U	0.33	0.33	1.7	ug/Kg
75-00-3	Chloroethane	0.17	U	0.17	0.17	1.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.17	U	0.17	0.17	1.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	U	0.17	0.17	1.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.17	U	0.17	0.17	1.7	ug/Kg
67-64-1	Acetone	22.6		0.83	0.83	8.3	ug/Kg
75-15-0	Carbon Disulfide	0.84	J	0.17	0.17	1.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.17	U	0.17	0.17	1.7	ug/Kg
79-20-9	Methyl Acetate	0.33	U	0.33	0.33	1.7	ug/Kg
75-09-2	Methylene Chloride	1.8	Q	0.17	0.17	1.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.17	U	0.17	0.17	1.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.17	U	0.17	0.17	1.7	ug/Kg
110-82-7	Cyclohexane	0.17	U	0.17	0.17	1.7	ug/Kg
78-93-3	2-Butanone	2.5	U	1	2.5	8.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.17	U	0.17	0.17	1.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.17	U	0.17	0.17	1.7	ug/Kg
74-97-5	Bromochloromethane	0.17	U	0.17	0.17	1.7	ug/Kg
67-66-3	Chloroform	0.17	U	0.17	0.17	1.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.17	U	0.17	0.17	1.7	ug/Kg
108-87-2	Methylcyclohexane	0.17	U	0.17	0.17	1.7	ug/Kg
71-43-2	Benzene	0.17	U	0.13	0.17	1.7	ug/Kg
107-06-2	1,2-Dichloroethane	0.17	U	0.17	0.17	1.7	ug/Kg
79-01-6	Trichloroethene	0.17	U	0.17	0.17	1.7	ug/Kg
78-87-5	1,2-Dichloropropane	0.17	U	0.09	0.17	1.7	ug/Kg
75-27-4	Bromodichloromethane	0.17	U	0.17	0.17	1.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	0.83	U	0.83	0.83	8.3	ug/Kg
108-88-3	Toluene	0.17	U	0.17	0.17	1.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	0.17	1.7	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.7
Sample Wt/Vol:	17.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042199.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.17	U	0.17	0.17	1.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.33	U	0.3	0.33	1.7	ug/Kg
591-78-6	2-Hexanone	0.83	U	0.83	0.83	8.3	ug/Kg
124-48-1	Dibromochloromethane	0.17	U	0.17	0.17	1.7	ug/Kg
106-93-4	1,2-Dibromoethane	0.17	U	0.17	0.17	1.7	ug/Kg
127-18-4	Tetrachloroethene	1.3	J	0.17	0.17	1.7	ug/Kg
108-90-7	Chlorobenzene	0.17	U	0.17	0.17	1.7	ug/Kg
100-41-4	Ethyl Benzene	0.17	U	0.17	0.17	1.7	ug/Kg
179601-23-1	m/p-Xylenes	0.33	U	0.24	0.33	3.3	ug/Kg
95-47-6	o-Xylene	0.17	U	0.17	0.17	1.7	ug/Kg
100-42-5	Styrene	0.17	U	0.15	0.17	1.7	ug/Kg
75-25-2	Bromoform	0.5	U	0.24	0.5	1.7	ug/Kg
98-82-8	Isopropylbenzene	0.17	U	0.16	0.17	1.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.17	U	0.15	0.17	1.7	ug/Kg
103-65-1	n-propylbenzene	0.17	U	0.12	0.17	1.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.17	U	0.15	0.17	1.7	ug/Kg
98-06-6	tert-Butylbenzene	0.17	U	0.17	0.17	1.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.17	U	0.17	0.17	1.7	ug/Kg
135-98-8	sec-Butylbenzene	0.17	U	0.17	0.17	1.7	ug/Kg
99-87-6	p-Isopropyltoluene	0.17	UQ	0.1	0.17	1.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.17	U	0.12	0.17	1.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.17	U	0.14	0.17	1.7	ug/Kg
104-51-8	n-Butylbenzene	0.17	UQ	0.15	0.17	1.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.17	UQ	0.17	0.17	1.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.7	U	0.29	1.7	1.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.17	UQ	0.17	0.17	1.7	ug/Kg
91-20-3	Naphthalene	0.17	UQ	0.15	0.17	1.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.33	UQ	0.17	0.33	1.7	ug/Kg
123-91-1	1,4-Dioxane	33	U	33	33	33	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		56 - 120		87%	SPK: 50
1868-53-7	Dibromofluoromethane	43.9		57 - 135		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.7
Sample Wt/Vol:	17.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042199.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	38		67 - 123		76%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.4		33 - 141		71%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127700	4.83				
540-36-3	1,4-Difluorobenzene	194233	5.56				
3114-55-4	Chlorobenzene-d5	121578	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	30034	12.52				
TENTATIVE IDENTIFIED COMPOUNDS							
017301-30-3	Undecane, 3,8-dimethyl-	22.2	J			12.26	ug/Kg
024145-88-8	1,4-Dimethyladamantane, [1.alpha.,	29.9	J			13.31	ug/Kg
017312-55-9	Decane, 3,8-dimethyl-	24.4	J			13.53	ug/Kg
1000130-72-1	1,7-Dodecadiene	60.5	J			13.83	ug/Kg
000707-35-7	1,3,5-Trimethyladamantane	33.7	J			13.98	ug/Kg
	unknown14.56	35	J			14.56	ug/Kg
	unknown14.83	31.4	J			14.83	ug/Kg
	unknown15.14	26.4	J			15.14	ug/Kg
080655-44-3	Decahydro-4,4,8,9,10-pentamethylna	23.5	J			15.35	ug/Kg
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	34.7	J			15.77	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)RE	SDG No.:	F2923
Lab Sample ID:	F2923-02RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.7
Sample Wt/Vol:	19.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042223.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.15	U	0.15	0.15	1.5	ug/Kg
74-87-3	Chloromethane	0.15	U	0.15	0.15	1.5	ug/Kg
75-01-4	Vinyl Chloride	0.15	U	0.15	0.15	1.5	ug/Kg
74-83-9	Bromomethane	0.3	U	0.3	0.3	1.5	ug/Kg
75-00-3	Chloroethane	0.15	U	0.15	0.15	1.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.15	U	0.15	0.15	1.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.15	U	0.15	0.15	1.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.15	U	0.15	0.15	1.5	ug/Kg
67-64-1	Acetone	13.1		0.74	0.74	7.4	ug/Kg
75-15-0	Carbon Disulfide	0.15	U	0.15	0.15	1.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.15	0.15	1.5	ug/Kg
79-20-9	Methyl Acetate	0.3	U	0.3	0.3	1.5	ug/Kg
75-09-2	Methylene Chloride	0.15	U	0.15	0.15	1.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.15	U	0.15	0.15	1.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.15	U	0.15	0.15	1.5	ug/Kg
110-82-7	Cyclohexane	0.15	U	0.15	0.15	1.5	ug/Kg
78-93-3	2-Butanone	2.2	U	0.92	2.2	7.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.15	U	0.15	0.15	1.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.15	U	0.15	0.15	1.5	ug/Kg
74-97-5	Bromochloromethane	0.15	U	0.15	0.15	1.5	ug/Kg
67-66-3	Chloroform	0.15	U	0.15	0.15	1.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.15	U	0.15	0.15	1.5	ug/Kg
108-87-2	Methylcyclohexane	0.15	U	0.15	0.15	1.5	ug/Kg
71-43-2	Benzene	0.15	U	0.11	0.15	1.5	ug/Kg
107-06-2	1,2-Dichloroethane	0.15	U	0.15	0.15	1.5	ug/Kg
79-01-6	Trichloroethene	0.15	U	0.15	0.15	1.5	ug/Kg
78-87-5	1,2-Dichloropropane	0.15	U	0.08	0.15	1.5	ug/Kg
75-27-4	Bromodichloromethane	0.15	U	0.15	0.15	1.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	0.74	UQ	0.74	0.74	7.4	ug/Kg
108-88-3	Toluene	0.15	U	0.15	0.15	1.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.15	U	0.15	0.15	1.5	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)RE	SDG No.:	F2923
Lab Sample ID:	F2923-02RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.7
Sample Wt/Vol:	19.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042223.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.15	U	0.15	0.15	1.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.3	U	0.27	0.3	1.5	ug/Kg
591-78-6	2-Hexanone	0.74	UQ	0.74	0.74	7.4	ug/Kg
124-48-1	Dibromochloromethane	0.15	U	0.15	0.15	1.5	ug/Kg
106-93-4	1,2-Dibromoethane	0.15	UQ	0.15	0.15	1.5	ug/Kg
127-18-4	Tetrachloroethene	1.3	J	0.15	0.15	1.5	ug/Kg
108-90-7	Chlorobenzene	0.15	U	0.15	0.15	1.5	ug/Kg
100-41-4	Ethyl Benzene	0.15	U	0.15	0.15	1.5	ug/Kg
179601-23-1	m/p-Xylenes	0.3	U	0.21	0.3	3	ug/Kg
95-47-6	o-Xylene	0.15	U	0.15	0.15	1.5	ug/Kg
100-42-5	Styrene	0.15	U	0.13	0.15	1.5	ug/Kg
75-25-2	Bromoform	0.44	U	0.22	0.44	1.5	ug/Kg
98-82-8	Isopropylbenzene	0.15	U	0.14	0.15	1.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	0.14	0.15	1.5	ug/Kg
103-65-1	n-propylbenzene	0.15	U	0.11	0.15	1.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.13	0.15	1.5	ug/Kg
98-06-6	tert-Butylbenzene	0.15	U	0.15	0.15	1.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.15	0.15	1.5	ug/Kg
135-98-8	sec-Butylbenzene	0.15	U	0.15	0.15	1.5	ug/Kg
99-87-6	p-Isopropyltoluene	0.15	U	0.09	0.15	1.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.15	U	0.11	0.15	1.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.15	U	0.12	0.15	1.5	ug/Kg
104-51-8	n-Butylbenzene	0.15	U	0.14	0.15	1.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.15	U	0.15	0.15	1.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.5	UQ	0.26	1.5	1.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.15	U	0.15	0.15	1.5	ug/Kg
91-20-3	Naphthalene	0.15	U	0.13	0.15	1.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.3	U	0.15	0.3	1.5	ug/Kg
123-91-1	1,4-Dioxane	29.6	U	29.6	29.6	29.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		56 - 120		108%	SPK: 50
1868-53-7	Dibromofluoromethane	31.6		57 - 135		63%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)RE	SDG No.:	F2923
Lab Sample ID:	F2923-02RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.7
Sample Wt/Vol:	19.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042223.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.1		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	78.3	*	33 - 141		157%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	133240	4.83				
540-36-3	1,4-Difluorobenzene	213180	5.56				
3114-55-4	Chlorobenzene-d5	151162	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	56589	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 10:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
		% Solid:	87

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.209	J	1	0.036	0.137	0.274	mg/Kg	07/01/14	07/02/14 11:54	9012B
Hexavalent Chromium	0.361	J	1	0.09	0.226	0.451	mg/Kg	07/02/14	07/02/14 15:21	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923		
Lab Sample ID:	F2923-03	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	13	Decanted:	
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012020.D	1	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	4553		957	957	1910	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	14.3		37 - 130		72%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923		
Lab Sample ID:	F2923-03	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	13	Decanted:	
Sample Wt/Vol:	5.02	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004521.D	1		07/08/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	26	U	14	26	52	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	13.9		50 - 150		70%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	13
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010335.D	1	07/01/14	07/04/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.1	U	15.2	19.1	76.9	ug/Kg
120-36-5	DICHLORPROP	19.1	U	14.2	19.1	76.9	ug/Kg
94-75-7	2,4-D	19.1	U	19.1	19.1	76.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.1	U	12.5	19.1	76.9	ug/Kg
93-76-5	2,4,5-T	19.1	U	11.8	19.1	76.9	ug/Kg
94-82-6	2,4-DB	19.1	U	19.1	19.1	76.9	ug/Kg
88-85-7	DINOSEB	19.1	U	19.1	19.1	76.9	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	183		12 - 189		37%	SPK: 500

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.77	JN	1	0.562	1.25	2.51	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	3.19		1	0.331	0.502	1	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	79.8		1	0.402	2.51	5.02	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.582		1	0.06	0.151	0.301	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.151	U	1	0.06	0.151	0.301	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	22.8		1	0.131	0.251	0.502	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	14.2		1	0.572	0.753	1.51	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	26.8		1	0.321	0.502	1	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	28.1	N	1	0.12	0.301	0.602	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	367		1	0.191	0.502	1	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.208		1	0.005	0.005	0.01	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	22.1		1	0.462	1.0	2.01	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	1.1		1	0.412	0.502	1	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.971		1	0.151	0.251	0.502	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	1	U	1	0.271	1.0	2.01	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	30.5		1	0.592	1.0	2.01	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	63.1		1	0.703	1.0	2.01	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003692.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.8	U	3.8	3.8	19.5	ug/kg
11104-28-2	Aroclor-1221	3.8	U	3.8	3.8	19.5	ug/kg
11141-16-5	Aroclor-1232	3.8	U	3.8	3.8	19.5	ug/kg
53469-21-9	Aroclor-1242	3.8	U	3.8	3.8	19.5	ug/kg
12672-29-6	Aroclor-1248	3.8	U	3.8	3.8	19.5	ug/kg
11097-69-1	Aroclor-1254	3.8	U	1.7	3.8	19.5	ug/kg
11096-82-5	Aroclor-1260	3.8	U	3.8	3.8	19.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.4		10 - 166		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		60 - 125		79%	SPK: 20

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023229.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.379	U	0.149	0.379	2	ug/kg
319-85-7	beta-BHC	0.379	U	0.207	0.379	2	ug/kg
319-86-8	delta-BHC	0.379	U	0.115	0.379	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.379	U	0.172	0.379	2	ug/kg
76-44-8	Heptachlor	0.379	U	0.161	0.379	2	ug/kg
309-00-2	Aldrin	0.379	U	0.115	0.379	2	ug/kg
1024-57-3	Heptachlor epoxide	0.379	U	0.184	0.379	2	ug/kg
959-98-8	Endosulfan I	0.379	U	0.172	0.379	2	ug/kg
60-57-1	Dieldrin	0.379	U	0.149	0.379	2	ug/kg
72-55-9	4,4-DDE	0.379	U	0.23	0.379	2	ug/kg
72-20-8	Endrin	0.379	U	0.207	0.379	2	ug/kg
33213-65-9	Endosulfan II	0.379	U	0.161	0.379	2	ug/kg
72-54-8	4,4-DDD	0.379	U	0.195	0.379	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.379	U	0.172	0.379	2	ug/kg
50-29-3	4,4-DDT	0.379	U	0.161	0.379	2	ug/kg
72-43-5	Methoxychlor	0.379	U	0.195	0.379	2	ug/kg
53494-70-5	Endrin ketone	0.379	U	0.149	0.379	2	ug/kg
7421-93-4	Endrin aldehyde	0.379	U	0.172	0.379	2	ug/kg
5103-71-9	alpha-Chlordane	0.379	U	0.161	0.379	2	ug/kg
5103-74-2	gamma-Chlordane	0.379	U	0.149	0.379	2	ug/kg
8001-35-2	Toxaphene	3.8	U	3.8	3.8	19.5	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.5		10 - 169		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		31 - 151		107%	SPK: 20

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923			
Lab Sample ID:	F2923-03	Matrix:	SOIL			
Analytical Method:	SW8081	% Moisture:	13	Decanted:		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023229.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072252.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	38.3	U	20	38.3	380	ug/Kg
108-95-2	Phenol	38.3	U	8.8	38.3	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.3	U	18.4	38.3	380	ug/Kg
95-57-8	2-Chlorophenol	38.3	U	20.2	38.3	380	ug/Kg
95-48-7	2-Methylphenol	38.3	U	20.8	38.3	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.3	U	15.8	38.3	380	ug/Kg
98-86-2	Acetophenone	38.3	U	11.7	38.3	380	ug/Kg
65794-96-9	3+4-Methylphenols	38.3	U	19.9	38.3	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.3	U	19.3	38.3	380	ug/Kg
67-72-1	Hexachloroethane	38.3	U	17.1	38.3	380	ug/Kg
98-95-3	Nitrobenzene	38.3	U	14.5	38.3	380	ug/Kg
78-59-1	Isophorone	38.3	U	12.6	38.3	380	ug/Kg
88-75-5	2-Nitrophenol	38.3	U	18.5	38.3	380	ug/Kg
105-67-9	2,4-Dimethylphenol	38.3	U	21.7	38.3	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.3	U	22	38.3	380	ug/Kg
120-83-2	2,4-Dichlorophenol	38.3	U	14.6	38.3	380	ug/Kg
91-20-3	Naphthalene	38.3	U	13.2	38.3	380	ug/Kg
106-47-8	4-Chloroaniline	38.3	U	27	38.3	380	ug/Kg
87-68-3	Hexachlorobutadiene	38.3	U	13.9	38.3	380	ug/Kg
105-60-2	Caprolactam	76.6	U	17.8	76.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	38.3	U	17	38.3	380	ug/Kg
91-57-6	2-Methylnaphthalene	38.3	U	9.6	38.3	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	38.3	U	9.3	38.3	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	38.3	U	11.7	38.3	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.3	U	26.9	38.3	380	ug/Kg
92-52-4	1,1-Biphenyl	38.3	U	14.5	38.3	380	ug/Kg
91-58-7	2-Chloronaphthalene	38.3	U	8.7	38.3	380	ug/Kg
88-74-4	2-Nitroaniline	38.3	U	17	38.3	380	ug/Kg
131-11-3	Dimethylphthalate	570		10.3	38.3	380	ug/Kg
208-96-8	Acenaphthylene	38.3	U	9.6	38.3	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.3	U	15.6	38.3	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072252.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	76.6	U	24.6	76.6	380	ug/Kg
83-32-9	Acenaphthene	38.3	U	10.8	38.3	380	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	38.9	310	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	71.1	190	380	ug/Kg
132-64-9	Dibenzofuran	38.3	U	14.9	38.3	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	38.3	U	11.5	38.3	380	ug/Kg
84-66-2	Diethylphthalate	38.3	U	6	38.3	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	38.3	U	20.8	38.3	380	ug/Kg
86-73-7	Fluorene	38.3	U	14.5	38.3	380	ug/Kg
100-01-6	4-Nitroaniline	76.6	U	49.8	76.6	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	21.9	190	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.3	U	9.2	38.3	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38.3	U	7.5	38.3	380	ug/Kg
118-74-1	Hexachlorobenzene	38.3	U	15.6	38.3	380	ug/Kg
1912-24-9	Atrazine	38.3	U	20.2	38.3	380	ug/Kg
87-86-5	Pentachlorophenol	38.3	U	26.2	38.3	380	ug/Kg
85-01-8	Phenanthrene	38.3	U	10.3	38.3	380	ug/Kg
120-12-7	Anthracene	38.3	U	7.8	38.3	380	ug/Kg
86-74-8	Carbazole	38.3	U	8.4	38.3	380	ug/Kg
84-74-2	Di-n-butylphthalate	38.3	U	30.1	38.3	380	ug/Kg
206-44-0	Fluoranthene	97.3	J	7.7	38.3	380	ug/Kg
129-00-0	Pyrene	38.3	U	9.2	38.3	380	ug/Kg
85-68-7	Butylbenzylphthalate	38.3	U	18.4	38.3	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.3	U	24.6	38.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	38.3	U	18.3	38.3	380	ug/Kg
218-01-9	Chrysene	38.3	U	17.3	38.3	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	38.3	U	13.5	38.3	380	ug/Kg
117-84-0	Di-n-octyl phthalate	38.3	U	4.4	38.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	38.3	U	12.5	38.3	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	38.3	U	18	38.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	38.3	U	8.3	38.3	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	38.3	U	12.7	38.3	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38.3	U	11	38.3	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072252.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	38.3	U	15.5	38.3	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38.3	U	15	38.3	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38.3	U	15	38.3	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.8		28 - 127		63%	SPK: 150
13127-88-3	Phenol-d6	97.7		34 - 127		65%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.5		31 - 132		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.6		39 - 123		60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81		30 - 133		54%	SPK: 150
1718-51-0	Terphenyl-d14	53.6		37 - 115		54%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	42006	7.17				
1146-65-2	Naphthalene-d8	184800	8.74				
15067-26-2	Acenaphthene-d10	97055	10.9				
1517-22-2	Phenanthrene-d10	183025	12.73				
1719-03-5	Chrysene-d12	216768	16				
1520-96-3	Perylene-d12	201678	17.69				
TENTATIVE IDENTIFIED COMPOUNDS							
000096-37-7	Cyclopentane, methyl-	1900	J			1.17	ug/Kg
000077-76-9	Propane, 2,2-dimethoxy-	13000	JB			1.37	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	490	AB			4.88	ug/Kg
	unknown6.87	2800	JB			6.87	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	350	J			15.92	ug/Kg

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LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	12.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042200.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.24	U	0.24	0.24	2.4	ug/Kg
74-87-3	Chloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-01-4	Vinyl Chloride	0.24	U	0.24	0.24	2.4	ug/Kg
74-83-9	Bromomethane	0.48	U	0.48	0.48	2.4	ug/Kg
75-00-3	Chloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.24	U	0.24	0.24	2.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.24	U	0.24	0.24	2.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
67-64-1	Acetone	1.2	U	1.2	1.2	11.9	ug/Kg
75-15-0	Carbon Disulfide	0.24	U	0.24	0.24	2.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.24	U	0.24	0.24	2.4	ug/Kg
79-20-9	Methyl Acetate	0.48	U	0.48	0.48	2.4	ug/Kg
75-09-2	Methylene Chloride	2.4	Q	0.24	0.24	2.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
110-82-7	Cyclohexane	0.24	U	0.24	0.24	2.4	ug/Kg
78-93-3	2-Butanone	3.6	U	1.5	3.6	11.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.24	U	0.24	0.24	2.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
74-97-5	Bromochloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
67-66-3	Chloroform	0.24	U	0.24	0.24	2.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
108-87-2	Methylcyclohexane	0.24	U	0.24	0.24	2.4	ug/Kg
71-43-2	Benzene	0.24	U	0.18	0.24	2.4	ug/Kg
107-06-2	1,2-Dichloroethane	0.24	U	0.24	0.24	2.4	ug/Kg
79-01-6	Trichloroethene	0.24	U	0.24	0.24	2.4	ug/Kg
78-87-5	1,2-Dichloropropane	0.24	U	0.12	0.24	2.4	ug/Kg
75-27-4	Bromodichloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.2	U	1.2	1.2	11.9	ug/Kg
108-88-3	Toluene	0.24	U	0.24	0.24	2.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.24	U	0.24	0.24	2.4	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	12.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042200.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	0.24	2.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.48	U	0.43	0.48	2.4	ug/Kg
591-78-6	2-Hexanone	1.2	U	1.2	1.2	11.9	ug/Kg
124-48-1	Dibromochloromethane	0.24	U	0.24	0.24	2.4	ug/Kg
106-93-4	1,2-Dibromoethane	0.24	U	0.24	0.24	2.4	ug/Kg
127-18-4	Tetrachloroethene	18.7		0.24	0.24	2.4	ug/Kg
108-90-7	Chlorobenzene	0.24	U	0.24	0.24	2.4	ug/Kg
100-41-4	Ethyl Benzene	0.24	U	0.24	0.24	2.4	ug/Kg
179601-23-1	m/p-Xylenes	0.48	U	0.34	0.48	4.8	ug/Kg
95-47-6	o-Xylene	0.24	U	0.24	0.24	2.4	ug/Kg
100-42-5	Styrene	0.24	U	0.21	0.24	2.4	ug/Kg
75-25-2	Bromoform	0.71	U	0.35	0.71	2.4	ug/Kg
98-82-8	Isopropylbenzene	0.24	U	0.23	0.24	2.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.24	U	0.22	0.24	2.4	ug/Kg
103-65-1	n-propylbenzene	0.24	U	0.17	0.24	2.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.24	U	0.21	0.24	2.4	ug/Kg
98-06-6	tert-Butylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
135-98-8	sec-Butylbenzene	0.24	U	0.24	0.24	2.4	ug/Kg
99-87-6	p-Isopropyltoluene	0.24	UQ	0.14	0.24	2.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	0.18	0.24	2.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.24	U	0.2	0.24	2.4	ug/Kg
104-51-8	n-Butylbenzene	0.24	UQ	0.22	0.24	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.24	UQ	0.24	0.24	2.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.4	U	0.41	2.4	2.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.24	UQ	0.24	0.24	2.4	ug/Kg
91-20-3	Naphthalene	0.24	UQ	0.21	0.24	2.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.48	UQ	0.24	0.48	2.4	ug/Kg
123-91-1	1,4-Dioxane	47.6	U	47.6	47.6	47.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		56 - 120		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		57 - 135		98%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	12.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042200.D	1		06/30/14	VF063014

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	44		67 - 123		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.8		33 - 141		72%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	137323	4.87				
540-36-3	1,4-Difluorobenzene	228785	5.59				
3114-55-4	Chlorobenzene-d5	171395	9.75				
3855-82-1	1,4-Dichlorobenzene-d4	59285	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)RE	SDG No.:	F2923
Lab Sample ID:	F2923-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	12.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042224.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	0.22	2.2	ug/Kg
74-87-3	Chloromethane	0.22	U	0.22	0.22	2.2	ug/Kg
75-01-4	Vinyl Chloride	0.22	U	0.22	0.22	2.2	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	0.45	2.2	ug/Kg
75-00-3	Chloroethane	0.22	U	0.22	0.22	2.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.22	U	0.22	0.22	2.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.22	U	0.22	0.22	2.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.22	U	0.22	0.22	2.2	ug/Kg
67-64-1	Acetone	1.1	U	1.1	1.1	11.2	ug/Kg
75-15-0	Carbon Disulfide	0.22	U	0.22	0.22	2.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.22	U	0.22	0.22	2.2	ug/Kg
79-20-9	Methyl Acetate	0.45	U	0.45	0.45	2.2	ug/Kg
75-09-2	Methylene Chloride	0.22	U	0.22	0.22	2.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.22	U	0.22	0.22	2.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.22	U	0.22	0.22	2.2	ug/Kg
110-82-7	Cyclohexane	0.22	U	0.22	0.22	2.2	ug/Kg
78-93-3	2-Butanone	3.4	U	1.4	3.4	11.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.22	U	0.22	0.22	2.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.22	U	0.22	0.22	2.2	ug/Kg
74-97-5	Bromochloromethane	0.22	U	0.22	0.22	2.2	ug/Kg
67-66-3	Chloroform	0.22	U	0.22	0.22	2.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.22	U	0.22	0.22	2.2	ug/Kg
108-87-2	Methylcyclohexane	0.22	U	0.22	0.22	2.2	ug/Kg
71-43-2	Benzene	0.22	U	0.17	0.22	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	0.22	U	0.22	0.22	2.2	ug/Kg
79-01-6	Trichloroethene	0.22	U	0.22	0.22	2.2	ug/Kg
78-87-5	1,2-Dichloropropane	0.22	U	0.12	0.22	2.2	ug/Kg
75-27-4	Bromodichloromethane	0.22	U	0.22	0.22	2.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.1	UQ	1.1	1.1	11.2	ug/Kg
108-88-3	Toluene	0.22	U	0.22	0.22	2.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.22	U	0.22	0.22	2.2	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)RE	SDG No.:	F2923
Lab Sample ID:	F2923-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	12.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042224.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.22	U	0.22	0.22	2.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.45	U	0.4	0.45	2.2	ug/Kg
591-78-6	2-Hexanone	1.1	UQ	1.1	1.1	11.2	ug/Kg
124-48-1	Dibromochloromethane	0.22	U	0.22	0.22	2.2	ug/Kg
106-93-4	1,2-Dibromoethane	0.22	UQ	0.22	0.22	2.2	ug/Kg
127-18-4	Tetrachloroethene	22		0.22	0.22	2.2	ug/Kg
108-90-7	Chlorobenzene	0.22	U	0.22	0.22	2.2	ug/Kg
100-41-4	Ethyl Benzene	0.22	U	0.22	0.22	2.2	ug/Kg
179601-23-1	m/p-Xylenes	0.45	U	0.32	0.45	4.5	ug/Kg
95-47-6	o-Xylene	0.22	U	0.22	0.22	2.2	ug/Kg
100-42-5	Styrene	0.22	U	0.2	0.22	2.2	ug/Kg
75-25-2	Bromoform	0.67	U	0.33	0.67	2.2	ug/Kg
98-82-8	Isopropylbenzene	0.22	U	0.22	0.22	2.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	0.21	0.22	2.2	ug/Kg
103-65-1	n-propylbenzene	0.22	U	0.16	0.22	2.2	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.22	U	0.2	0.22	2.2	ug/Kg
98-06-6	tert-Butylbenzene	0.22	U	0.22	0.22	2.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.22	U	0.22	0.22	2.2	ug/Kg
135-98-8	sec-Butylbenzene	0.22	U	0.22	0.22	2.2	ug/Kg
99-87-6	p-Isopropyltoluene	0.22	U	0.13	0.22	2.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.22	U	0.17	0.22	2.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.22	U	0.18	0.22	2.2	ug/Kg
104-51-8	n-Butylbenzene	0.22	U	0.21	0.22	2.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.22	U	0.22	0.22	2.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.2	UQ	0.39	2.2	2.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.22	U	0.22	0.22	2.2	ug/Kg
91-20-3	Naphthalene	0.22	U	0.2	0.22	2.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.45	U	0.22	0.45	2.2	ug/Kg
123-91-1	1,4-Dioxane	44.9	U	44.9	44.9	44.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.5		56 - 120		83%	SPK: 50
1868-53-7	Dibromofluoromethane	38.3		57 - 135		77%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)RE	SDG No.:	F2923
Lab Sample ID:	F2923-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	12.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042224.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	35.8		67 - 123		72%	SPK: 50
460-00-4	4-Bromofluorobenzene	25.9		33 - 141		52%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124126	4.85				
540-36-3	1,4-Difluorobenzene	192631	5.58				
3114-55-4	Chlorobenzene-d5	129530	9.74				
3855-82-1	1,4-Dichlorobenzene-d4	44053	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 12:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
		% Solid:	83.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.043	J	1	0.038	0.145	0.29	mg/Kg	07/01/14	07/02/14 11:34	9012B
Hexavalent Chromium	0.381	J	1	0.095	0.238	0.476	mg/Kg	07/02/14	07/02/14 15:21	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923		
Lab Sample ID:	F2923-04	Matrix:	SOIL		
Analytical Method:	8015B DRO	% Moisture:	16.3	Decanted:	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1 mL
Soil Aliquot Vol:			uL	Test:	Diesel Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FC012021.D	2	07/01/14	07/03/14	PB77539

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
DRO	DRO	66463		1990	1990	3980	ug/kg
SURROGATES							
16416-32-3	Tetracosane-d50	5.17		37 - 130		52%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923		
Lab Sample ID:	F2923-04	Matrix:	SOIL		
Analytical Method:	8015B GRO	% Moisture:	16.3	Decanted:	
Sample Wt/Vol:	5.03	Units:	g	Final Vol:	5 mL
Soil Aliquot Vol:			uL	Test:	Gasoline Range Organics
Extraction Type:				Injection Volume :	
GPC Factor :		PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FB004522.D	1		07/08/14	FB070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	26.5	U	14	26.5	53	ug/kg
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluorotoluene	14.4		50 - 150		72%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	16.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010336.D	1	07/01/14	07/04/14	PB77541

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.9	U	15.8	19.9	79.9	ug/Kg
120-36-5	DICHLORPROP	19.9	U	14.7	19.9	79.9	ug/Kg
94-75-7	2,4-D	19.9	U	19.9	19.9	79.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.9	U	13	19.9	79.9	ug/Kg
93-76-5	2,4,5-T	19.9	U	12.2	19.9	79.9	ug/Kg
94-82-6	2,4-DB	19.9	U	19.9	19.9	79.9	ug/Kg
88-85-7	DINOSEB	19.9	U	19.9	19.9	79.9	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	296		12 - 189		59%	SPK: 500

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.884	JN	1	0.582	1.3	2.6	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	4.36		1	0.343	0.519	1.04	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	539		1	0.416	2.6	5.19	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.71		1	0.062	0.156	0.312	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.068	J	1	0.062	0.156	0.312	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	25.4		1	0.135	0.26	0.519	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	30		1	0.592	0.779	1.56	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	44.8		1	0.332	0.519	1.04	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	2140	N	1	0.125	0.312	0.623	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	542		1	0.197	0.519	1.04	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.03		1	0.005	0.005	0.01	mg/Kg	07/01/14	07/03/14	SW7471A
7440-02-0	Nickel	30.5		1	0.478	1.04	2.08	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	1.32		1	0.426	0.519	1.04	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	1.4		1	0.156	0.26	0.519	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	1.04	U	1	0.281	1.04	2.08	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	38.4		1	0.613	1.04	2.08	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	186		1	0.727	1.04	2.08	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923			
Lab Sample ID:	F2923-04	Matrix:	SOIL			
Analytical Method:	SW8082A	% Moisture:	16.3	Decanted:		
Sample Wt/Vol:	30	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003693.D	1	07/01/14	07/02/14	PB77542

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4	U	4	4	20.3	ug/kg
11104-28-2	Aroclor-1221	4	U	4	4	20.3	ug/kg
11141-16-5	Aroclor-1232	4	U	4	4	20.3	ug/kg
53469-21-9	Aroclor-1242	4	U	4	4	20.3	ug/kg
12672-29-6	Aroclor-1248	4	U	4	4	20.3	ug/kg
11097-69-1	Aroclor-1254	4	U	1.8	4	20.3	ug/kg
11096-82-5	Aroclor-1260	4	U	4	4	20.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18		10 - 166		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		60 - 125		79%	SPK: 20

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LOD = Limit of Detection

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	16.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023230.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.394	U	0.155	0.394	2	ug/kg
319-85-7	beta-BHC	0.394	U	0.215	0.394	2	ug/kg
319-86-8	delta-BHC	0.394	U	0.119	0.394	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.394	U	0.179	0.394	2	ug/kg
76-44-8	Heptachlor	0.394	U	0.167	0.394	2	ug/kg
309-00-2	Aldrin	0.394	U	0.119	0.394	2	ug/kg
1024-57-3	Heptachlor epoxide	0.394	U	0.191	0.394	2	ug/kg
959-98-8	Endosulfan I	0.394	U	0.179	0.394	2	ug/kg
60-57-1	Dieldrin	0.394	U	0.155	0.394	2	ug/kg
72-55-9	4,4-DDE	0.394	U	0.239	0.394	2	ug/kg
72-20-8	Endrin	0.394	U	0.215	0.394	2	ug/kg
33213-65-9	Endosulfan II	0.394	U	0.167	0.394	2	ug/kg
72-54-8	4,4-DDD	0.394	U	0.203	0.394	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.394	U	0.179	0.394	2	ug/kg
50-29-3	4,4-DDT	0.394	U	0.167	0.394	2	ug/kg
72-43-5	Methoxychlor	0.394	U	0.203	0.394	2	ug/kg
53494-70-5	Endrin ketone	0.394	U	0.155	0.394	2	ug/kg
7421-93-4	Endrin aldehyde	0.394	U	0.179	0.394	2	ug/kg
5103-71-9	alpha-Chlordane	0.394	U	0.167	0.394	2	ug/kg
5103-74-2	gamma-Chlordane	0.394	U	0.155	0.394	2	ug/kg
8001-35-2	Toxaphene	4	U	4	4	20.3	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.6		10 - 169		108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		31 - 151		108%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14		
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923		
Lab Sample ID:	F2923-04	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	16.3	Decanted:	
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023230.D	1	07/01/14	07/02/14	PB77543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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* = Values outside of QC limits

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072245.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	39.7	U	20.7	39.7	390	ug/Kg
108-95-2	Phenol	39.7	U	9.2	39.7	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	39.7	U	19.1	39.7	390	ug/Kg
95-57-8	2-Chlorophenol	39.7	U	21	39.7	390	ug/Kg
95-48-7	2-Methylphenol	39.7	U	21.6	39.7	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.7	U	16.4	39.7	390	ug/Kg
98-86-2	Acetophenone	39.7	U	12.2	39.7	390	ug/Kg
65794-96-9	3+4-Methylphenols	39.7	U	20.6	39.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.7	U	20	39.7	390	ug/Kg
67-72-1	Hexachloroethane	39.7	U	17.8	39.7	390	ug/Kg
98-95-3	Nitrobenzene	39.7	U	15	39.7	390	ug/Kg
78-59-1	Isophorone	39.7	U	13.1	39.7	390	ug/Kg
88-75-5	2-Nitrophenol	39.7	U	19.2	39.7	390	ug/Kg
105-67-9	2,4-Dimethylphenol	39.7	U	22.5	39.7	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	39.7	U	22.9	39.7	390	ug/Kg
120-83-2	2,4-Dichlorophenol	39.7	U	15.1	39.7	390	ug/Kg
91-20-3	Naphthalene	39.7	U	13.7	39.7	390	ug/Kg
106-47-8	4-Chloroaniline	39.7	U	28	39.7	390	ug/Kg
87-68-3	Hexachlorobutadiene	39.7	U	14.4	39.7	390	ug/Kg
105-60-2	Caprolactam	79.5	U	18.5	79.5	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	39.7	U	17.6	39.7	390	ug/Kg
91-57-6	2-Methylnaphthalene	39.7	U	10	39.7	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	39.7	U	9.7	39.7	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	39.7	U	12.2	39.7	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39.7	U	27.9	39.7	390	ug/Kg
92-52-4	1,1-Biphenyl	39.7	U	15	39.7	390	ug/Kg
91-58-7	2-Chloronaphthalene	39.7	U	9.1	39.7	390	ug/Kg
88-74-4	2-Nitroaniline	39.7	U	17.6	39.7	390	ug/Kg
131-11-3	Dimethylphthalate	710		10.7	39.7	390	ug/Kg
208-96-8	Acenaphthylene	39.7	U	10	39.7	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.7	U	16.2	39.7	390	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072245.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	79.5	U	25.5	79.5	390	ug/Kg
83-32-9	Acenaphthene	39.7	U	11.2	39.7	390	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	40.4	320	390	ug/Kg
100-02-7	4-Nitrophenol	200	U	73.8	200	390	ug/Kg
132-64-9	Dibenzofuran	39.7	U	15.5	39.7	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	39.7	U	11.9	39.7	390	ug/Kg
84-66-2	Diethylphthalate	39.7	U	6.2	39.7	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	39.7	U	21.6	39.7	390	ug/Kg
86-73-7	Fluorene	39.7	U	15	39.7	390	ug/Kg
100-01-6	4-Nitroaniline	79.5	U	51.7	79.5	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	22.8	200	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.7	U	9.5	39.7	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	39.7	U	7.7	39.7	390	ug/Kg
118-74-1	Hexachlorobenzene	39.7	U	16.2	39.7	390	ug/Kg
1912-24-9	Atrazine	39.7	U	21	39.7	390	ug/Kg
87-86-5	Pentachlorophenol	39.7	U	27.2	39.7	390	ug/Kg
85-01-8	Phenanthrene	210	J	10.7	39.7	390	ug/Kg
120-12-7	Anthracene	39.7	U	8.1	39.7	390	ug/Kg
86-74-8	Carbazole	39.7	U	8.7	39.7	390	ug/Kg
84-74-2	Di-n-butylphthalate	39.7	U	31.2	39.7	390	ug/Kg
206-44-0	Fluoranthene	520		8	39.7	390	ug/Kg
129-00-0	Pyrene	470		9.5	39.7	390	ug/Kg
85-68-7	Butylbenzylphthalate	39.7	U	19.1	39.7	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.7	U	25.5	39.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	300	J	19	39.7	390	ug/Kg
218-01-9	Chrysene	330	J	18	39.7	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	87.4	J	14.1	39.7	390	ug/Kg
117-84-0	Di-n-octyl phthalate	39.7	U	4.5	39.7	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	400		13	39.7	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	J	18.7	39.7	390	ug/Kg
50-32-8	Benzo(a)pyrene	310	J	8.6	39.7	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	J	13.2	39.7	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	39.7	U	11.4	39.7	390	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072245.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	230	J	16.1	39.7	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	39.7	U	15.6	39.7	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	39.7	U	15.6	39.7	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		83%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		77%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.3		31 - 132		73%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.2		39 - 123		72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133		71%	SPK: 150
1718-51-0	Terphenyl-d14	66.2		37 - 115		66%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43223	7.17				
1146-65-2	Naphthalene-d8	197554	8.74				
15067-26-2	Acenaphthene-d10	103373	10.91				
1517-22-2	Phenanthrene-d10	184152	12.75				
1719-03-5	Chrysene-d12	221244	16.01				
1520-96-3	Perylene-d12	201255	17.69				
TENTATIVE IDENTIFIED COMPOUNDS							
000096-37-7	Cyclopentane, methyl-	1300	J			1.17	ug/Kg
000077-76-9	Propane, 2,2-dimethoxy-	13800	JB			1.37	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J			1.65	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB			4.89	ug/Kg
	unknown6.87	3500	JB			6.87	ug/Kg
000143-07-7	Dodecanoic acid	290	J			13.49	ug/Kg
018435-45-5	1-Nonadecene	280	J			15.92	ug/Kg
	unknown16.91	110	J			16.91	ug/Kg
000111-02-4	2,6,10,14,18,22-Tetracosahexaene,	160	J			17.18	ug/Kg
000198-55-0	Perylene	220	J			17.57	ug/Kg
074685-33-9	3-Eicosene, (E)-	90.2	J			18.3	ug/Kg



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072245.D	1	07/01/14	07/02/14	PB77544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.3
Sample Wt/Vol:	18.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042222.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.16	U	0.16	0.16	1.6	ug/Kg
74-87-3	Chloromethane	0.16	U	0.16	0.16	1.6	ug/Kg
75-01-4	Vinyl Chloride	0.16	U	0.16	0.16	1.6	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	0.32	1.6	ug/Kg
75-00-3	Chloroethane	0.16	U	0.16	0.16	1.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.16	U	0.16	0.16	1.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	U	0.16	0.16	1.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.16	U	0.16	0.16	1.6	ug/Kg
67-64-1	Acetone	0.8	U	0.8	0.8	8	ug/Kg
75-15-0	Carbon Disulfide	0.16	U	0.16	0.16	1.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	0.16	1.6	ug/Kg
79-20-9	Methyl Acetate	0.32	U	0.32	0.32	1.6	ug/Kg
75-09-2	Methylene Chloride	0.16	U	0.16	0.16	1.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.16	U	0.16	0.16	1.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.16	U	0.16	0.16	1.6	ug/Kg
110-82-7	Cyclohexane	0.16	U	0.16	0.16	1.6	ug/Kg
78-93-3	2-Butanone	2.4	U	0.99	2.4	8	ug/Kg
56-23-5	Carbon Tetrachloride	0.16	U	0.16	0.16	1.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.16	U	0.16	0.16	1.6	ug/Kg
74-97-5	Bromochloromethane	0.16	U	0.16	0.16	1.6	ug/Kg
67-66-3	Chloroform	0.16	U	0.16	0.16	1.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.16	U	0.16	0.16	1.6	ug/Kg
108-87-2	Methylcyclohexane	0.16	U	0.16	0.16	1.6	ug/Kg
71-43-2	Benzene	0.16	U	0.12	0.16	1.6	ug/Kg
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.16	1.6	ug/Kg
79-01-6	Trichloroethene	0.16	U	0.16	0.16	1.6	ug/Kg
78-87-5	1,2-Dichloropropane	0.16	U	0.08	0.16	1.6	ug/Kg
75-27-4	Bromodichloromethane	0.16	U	0.16	0.16	1.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	0.8	UQ	0.8	0.8	8	ug/Kg
108-88-3	Toluene	0.16	U	0.16	0.16	1.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.16	U	0.16	0.16	1.6	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.3
Sample Wt/Vol:	18.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042222.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	0.16	1.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.32	U	0.29	0.32	1.6	ug/Kg
591-78-6	2-Hexanone	0.8	UQ	0.8	0.8	8	ug/Kg
124-48-1	Dibromochloromethane	0.16	U	0.16	0.16	1.6	ug/Kg
106-93-4	1,2-Dibromoethane	0.16	UQ	0.16	0.16	1.6	ug/Kg
127-18-4	Tetrachloroethene	0.16	U	0.16	0.16	1.6	ug/Kg
108-90-7	Chlorobenzene	0.16	U	0.16	0.16	1.6	ug/Kg
100-41-4	Ethyl Benzene	0.16	U	0.16	0.16	1.6	ug/Kg
179601-23-1	m/p-Xylenes	0.32	U	0.23	0.32	3.2	ug/Kg
95-47-6	o-Xylene	0.16	U	0.16	0.16	1.6	ug/Kg
100-42-5	Styrene	0.16	U	0.14	0.16	1.6	ug/Kg
75-25-2	Bromoform	0.48	U	0.24	0.48	1.6	ug/Kg
98-82-8	Isopropylbenzene	0.16	U	0.15	0.16	1.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	0.15	0.16	1.6	ug/Kg
103-65-1	n-propylbenzene	0.16	U	0.12	0.16	1.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.16	U	0.14	0.16	1.6	ug/Kg
98-06-6	tert-Butylbenzene	0.16	U	0.16	0.16	1.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.16	U	0.16	0.16	1.6	ug/Kg
135-98-8	sec-Butylbenzene	0.16	U	0.16	0.16	1.6	ug/Kg
99-87-6	p-Isopropyltoluene	0.16	U	0.09	0.16	1.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.16	U	0.12	0.16	1.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.16	U	0.13	0.16	1.6	ug/Kg
104-51-8	n-Butylbenzene	0.16	U	0.15	0.16	1.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	0.16	1.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	UQ	0.28	1.6	1.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.16	U	0.16	0.16	1.6	ug/Kg
91-20-3	Naphthalene	0.16	U	0.14	0.16	1.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.32	U	0.16	0.32	1.6	ug/Kg
123-91-1	1,4-Dioxane	32	U	32	32	32	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	38.6		56 - 120		77%	SPK: 50
1868-53-7	Dibromofluoromethane	37.6		57 - 135		75%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.3
Sample Wt/Vol:	18.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF042222.D	1		07/01/14	VF070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	30.9	*	67 - 123		62%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.8		33 - 141		44%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171460	4.85				
540-36-3	1,4-Difluorobenzene	265532	5.57				
3114-55-4	Chlorobenzene-d5	185164	9.74				
3855-82-1	1,4-Dichlorobenzene-d4	55883	12.52				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.48	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	2.4		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	734		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	6.3		1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	2.8		1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	71.8	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	122		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	144	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	132		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	17900	D	25	1.3	12.5	25	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.413		1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	140	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	4.2	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.8	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.79	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	54.6		1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	394	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	608	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		uL	
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003797.D	1	07/01/14	07/04/14	PB77537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.025	U	0.02	0.025	0.05	ug/L
11104-28-2	Aroclor-1221	0.025	U	0.02	0.025	0.05	ug/L
11141-16-5	Aroclor-1232	0.025	U	0.008	0.025	0.05	ug/L
53469-21-9	Aroclor-1242	0.025	U	0.01	0.025	0.05	ug/L
12672-29-6	Aroclor-1248	0.025	U	0.015	0.025	0.05	ug/L
11097-69-1	Aroclor-1254	0.025	U	0.012	0.025	0.05	ug/L
11096-82-5	Aroclor-1260	0.025	U	0.024	0.025	0.05	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.9		18 - 163		85%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		10 - 177		67%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072236.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.77	1	10	ug/L
108-95-2	Phenol	1	U	0.21	1	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.55	1	10	ug/L
95-57-8	2-Chlorophenol	1	U	0.54	1	10	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.38	1	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10	ug/L
67-72-1	Hexachloroethane	1	U	0.25	1	10	ug/L
98-95-3	Nitrobenzene	1	U	0.68	1	10	ug/L
78-59-1	Isophorone	1	U	0.3	1	10	ug/L
88-75-5	2-Nitrophenol	1	U	0.52	1	10	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.71	1	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.55	1	10	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.66	1	10	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.25	1	10	ug/L
105-60-2	Caprolactam	1	U	1	1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.4	1	10	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.32	1	10	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.56	1	10	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.4	1	10	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10	ug/L
88-74-4	2-Nitroaniline	1	U	0.49	1	10	ug/L
131-11-3	Dimethylphthalate	5	J	0.22	1	10	ug/L
208-96-8	Acenaphthylene	1	U	0.7	1	10	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.32	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072236.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10	ug/L
51-28-5	2,4-Dinitrophenol	8	U	2.1	8	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10	ug/L
84-66-2	Diethylphthalate	1	U	0.38	1	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10	ug/L
86-73-7	Fluorene	1	U	0.31	1	10	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.74	2	10	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.6	1	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10	ug/L
1912-24-9	Atrazine	1	U	0.4	1	10	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10	ug/L
85-01-8	Phenanthrene	1	U	0.26	1	10	ug/L
120-12-7	Anthracene	1	U	0.16	1	10	ug/L
86-74-8	Carbazole	1	U	0.22	1	10	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10	ug/L
206-44-0	Fluoranthene	1	U	0.4	1	10	ug/L
129-00-0	Pyrene	1	U	0.2	1	10	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10	ug/L
218-01-9	Chrysene	1	U	0.18	1	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.51	1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.29	1	10	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.42	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072236.D	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.29	1	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	68.3		10 - 130		46%	SPK: 150
13127-88-3	Phenol-d6	42.2		10 - 130		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.9		36 - 131		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.6		39 - 131		89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155		96%	SPK: 150
1718-51-0	Terphenyl-d14	88.5		23 - 130		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44370	7.17				
1146-65-2	Naphthalene-d8	192088	8.74				
15067-26-2	Acenaphthene-d10	98128	10.9				
1517-22-2	Phenanthrene-d10	183512	12.75				
1719-03-5	Chrysene-d12	206709	16.01				
1520-96-3	Perylene-d12	189985	17.66				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	88.5	J			1.64	ug/L
	unknown6.87	82.6	JB			6.87	ug/L
000143-07-7	Dodecanoic acid	10.3	J			13.49	ug/L
002733-88-2	15-Tetracosenoic acid, methyl este	12.7	J			14.37	ug/L
074339-53-0	Trichloroacetic acid, pentadecyl e	5.7	J			15.92	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016911.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.1		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016911.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.3		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		69 - 133		87%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016911.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.3		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		58 - 135		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	252032	7.87				
540-36-3	1,4-Difluorobenzene	417435	8.78				
3114-55-4	Chlorobenzene-d5	444011	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	187027	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.24	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.71	J	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	452		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	1.6		1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	3		1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	50.6	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	146		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	42.2	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	82		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	7690		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.186	J	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	112	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	3.4	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.61	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.29	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	16.1		1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	271	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	GW-15(GW)	SDG No.:	F2923			
Lab Sample ID:	F2923-06	Matrix:	Water			
Analytical Method:	608	% Moisture:	100	Decanted:		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:	PCB Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003798.D	1	07/01/14	07/04/14	PB77537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.025	U	0.02	0.025	0.05	ug/L
11104-28-2	Aroclor-1221	0.025	U	0.02	0.025	0.05	ug/L
11141-16-5	Aroclor-1232	0.025	U	0.008	0.025	0.05	ug/L
53469-21-9	Aroclor-1242	0.025	U	0.01	0.025	0.05	ug/L
12672-29-6	Aroclor-1248	0.025	U	0.015	0.025	0.05	ug/L
11097-69-1	Aroclor-1254	0.025	U	0.012	0.025	0.05	ug/L
11096-82-5	Aroclor-1260	0.025	U	0.024	0.025	0.05	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.6		18 - 163		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		10 - 177		81%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086579.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.77	1	10	ug/L
108-95-2	Phenol	1	U	0.21	1	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.55	1	10	ug/L
95-57-8	2-Chlorophenol	1	U	0.54	1	10	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.38	1	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10	ug/L
67-72-1	Hexachloroethane	1	U	0.25	1	10	ug/L
98-95-3	Nitrobenzene	1	U	0.68	1	10	ug/L
78-59-1	Isophorone	1	U	0.3	1	10	ug/L
88-75-5	2-Nitrophenol	1	U	0.52	1	10	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.71	1	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.55	1	10	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.66	1	10	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.25	1	10	ug/L
105-60-2	Caprolactam	1	U	1	1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.4	1	10	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.32	1	10	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.56	1	10	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.4	1	10	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10	ug/L
88-74-4	2-Nitroaniline	1	U	0.49	1	10	ug/L
131-11-3	Dimethylphthalate	7.2	J	0.22	1	10	ug/L
208-96-8	Acenaphthylene	1	U	0.7	1	10	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.32	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086579.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10	ug/L
51-28-5	2,4-Dinitrophenol	8	U	2.1	8	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10	ug/L
84-66-2	Diethylphthalate	1	U	0.38	1	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10	ug/L
86-73-7	Fluorene	1	U	0.31	1	10	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.74	2	10	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.6	1	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10	ug/L
1912-24-9	Atrazine	1	U	0.4	1	10	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10	ug/L
85-01-8	Phenanthrene	1	U	0.26	1	10	ug/L
120-12-7	Anthracene	1	U	0.16	1	10	ug/L
86-74-8	Carbazole	1	U	0.22	1	10	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10	ug/L
206-44-0	Fluoranthene	1	U	0.4	1	10	ug/L
129-00-0	Pyrene	1	U	0.2	1	10	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10	ug/L
218-01-9	Chrysene	1	U	0.18	1	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.51	1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.29	1	10	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.42	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086579.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.29	1	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	67.2		10 - 130		45%	SPK: 150
13127-88-3	Phenol-d6	43.5		10 - 130		29%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.9		36 - 131		100%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		39 - 131		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155		96%	SPK: 150
1718-51-0	Terphenyl-d14	94.2		23 - 130		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	209663	6.76				
1146-65-2	Naphthalene-d8	915548	8.33				
15067-26-2	Acenaphthene-d10	446156	10.47				
1517-22-2	Phenanthrene-d10	672432	12.28				
1719-03-5	Chrysene-d12	509245	15.5				
1520-96-3	Perylene-d12	409614	17.11				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	100	J			1.51	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.4	AB			4.44	ug/L
	unknown6.48	81.8	J			6.48	ug/L
000057-10-3	n-Hexadecanoic acid	2.6	J			13.05	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016913.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016913.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		61 - 141		96%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		69 - 133		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016913.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.7		65 - 126		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		58 - 135		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	254374	7.87				
540-36-3	1,4-Difluorobenzene	428878	8.79				
3114-55-4	Chlorobenzene-d5	445321	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	178218	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.17	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.63	J	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	120		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.38	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	4.4	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	26.9		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	9.7	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	2		1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	2050		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	62.6	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	3.3	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.17	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.047	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.6	J	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	26.7	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14			
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14			
Client Sample ID:	GW-18(GW)	SDG No.:	F2923			
Lab Sample ID:	F2923-07	Matrix:	Water			
Analytical Method:	608	% Moisture:	100	Decanted:		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:	PCB Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP003802.D	1	07/01/14	07/04/14	PB77537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.025	U	0.02	0.025	0.05	ug/L
11104-28-2	Aroclor-1221	0.025	U	0.02	0.025	0.05	ug/L
11141-16-5	Aroclor-1232	0.025	U	0.008	0.025	0.05	ug/L
53469-21-9	Aroclor-1242	0.025	U	0.01	0.025	0.05	ug/L
12672-29-6	Aroclor-1248	0.025	U	0.015	0.025	0.05	ug/L
11097-69-1	Aroclor-1254	0.025	U	0.012	0.025	0.05	ug/L
11096-82-5	Aroclor-1260	0.025	U	0.024	0.025	0.05	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.1		18 - 163		85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		10 - 177		99%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086580.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.77	1	10	ug/L
108-95-2	Phenol	1	U	0.21	1	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.55	1	10	ug/L
95-57-8	2-Chlorophenol	1	U	0.54	1	10	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.38	1	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10	ug/L
67-72-1	Hexachloroethane	1	U	0.25	1	10	ug/L
98-95-3	Nitrobenzene	1	U	0.68	1	10	ug/L
78-59-1	Isophorone	1	U	0.3	1	10	ug/L
88-75-5	2-Nitrophenol	1	U	0.52	1	10	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.71	1	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.55	1	10	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.66	1	10	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.25	1	10	ug/L
105-60-2	Caprolactam	1	U	1	1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.4	1	10	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.32	1	10	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.56	1	10	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.4	1	10	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10	ug/L
88-74-4	2-Nitroaniline	1	U	0.49	1	10	ug/L
131-11-3	Dimethylphthalate	5.7	J	0.22	1	10	ug/L
208-96-8	Acenaphthylene	1	U	0.7	1	10	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.32	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086580.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10	ug/L
51-28-5	2,4-Dinitrophenol	8	U	2.1	8	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10	ug/L
84-66-2	Diethylphthalate	1	U	0.38	1	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10	ug/L
86-73-7	Fluorene	1	U	0.31	1	10	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.74	2	10	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.6	1	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10	ug/L
1912-24-9	Atrazine	1	U	0.4	1	10	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10	ug/L
85-01-8	Phenanthrene	1	U	0.26	1	10	ug/L
120-12-7	Anthracene	1	U	0.16	1	10	ug/L
86-74-8	Carbazole	1	U	0.22	1	10	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10	ug/L
206-44-0	Fluoranthene	1	U	0.4	1	10	ug/L
129-00-0	Pyrene	1	U	0.2	1	10	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10	ug/L
218-01-9	Chrysene	1	U	0.18	1	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.51	1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.29	1	10	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.42	1	10	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
Be086580.d	1	07/01/14	07/02/14	PB77536

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.29	1	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	61.2		10 - 130		41%	SPK: 150
13127-88-3	Phenol-d6	40.4		10 - 130		27%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.3		36 - 131		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.1		39 - 131		87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155		92%	SPK: 150
1718-51-0	Terphenyl-d14	90.5		23 - 130		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	211002	6.77				
1146-65-2	Naphthalene-d8	925134	8.34				
15067-26-2	Acenaphthene-d10	458920	10.47				
1517-22-2	Phenanthrene-d10	693727	12.28				
1719-03-5	Chrysene-d12	513348	15.49				
1520-96-3	Perylene-d12	418052	17.11				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	91.5	J			1.51	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.9	AB			4.45	ug/L
	unknown6.48	76.3	J			6.48	ug/L
000057-10-3	n-Hexadecanoic acid	3.5	J			13.05	ug/L
000057-11-4	Octadecanoic acid	2.9	J			14.01	ug/L
1000108-92-4	Farnesol isomer a	2.5	J			16.67	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016912.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	15.8		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.97	J	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016912.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.76	J	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		61 - 141		96%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		69 - 133		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016912.D	1		07/02/14	VN070114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.5		65 - 126		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		58 - 135		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	254220	7.87				
540-36-3	1,4-Difluorobenzene	424590	8.79				
3114-55-4	Chlorobenzene-d5	440769	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	172664	13.56				

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-19(10-24)	SDG No.:	F2923
Lab Sample ID:	F2923-08	Matrix:	SOIL
		% Solid:	81.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.88		1	0	0	0	mg/Kg		07/01/14 09:13	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:34	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

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D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/25/14 10:45
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-14(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-09	Matrix:	SOIL
		% Solid:	84

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.83		1	0	0	0	mg/Kg		07/01/14 09:14	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:34	9012B
Reactive Sulfide	48		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 10:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-15(6-20)	SDG No.:	F2923
Lab Sample ID:	F2923-10	Matrix:	SOIL
		% Solid:	85.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.11		1	0	0	0	mg/Kg		07/01/14 09:16	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 17:34	9012B
Reactive Sulfide	13		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments:

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

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E = Indicates the reported value is estimated because of the presence of interference.

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N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14 12:30
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GP-18(6-18)	SDG No.:	F2923
Lab Sample ID:	F2923-11	Matrix:	SOIL
		% Solid:	86.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.29		1	0	0	0	mg/Kg		07/01/14 09:17	9045C
Ignitability	NO		1	0	0	0	o C	07/01/14	07/01/14 10:30	1030
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	07/01/14	07/02/14 18:06	9012B
Reactive Sulfide	38		1	10	10	10	mg/Kg	07/01/14	07/01/14 15:30	9034

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-11(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1	U	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	1.2		1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	182		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.37	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	0.62	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	27.6		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	6.2	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.65	J	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	6100		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	26.1	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	2.8	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.074	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	6.7	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-15(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-13	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.14	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.48	J	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	57.7		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	1	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	0.55	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	8.2		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	4	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.098	J	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	1090		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	37.1	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	3.9	J	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.021	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	12.9	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected

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MDL = Method Detection Limit

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D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

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* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/26/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	06/27/14
Client Sample ID:	GW-18(GW)	SDG No.:	F2923
Lab Sample ID:	F2923-14	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.3	J	1	0.14	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-38-2	Arsenic	0.56	J	1	0.18	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-39-3	Barium	106		1	0.1	5.0	10	ug/L	07/01/14	07/03/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-43-9	Cadmium	0.19	J	1	0.13	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-47-3	Chromium	1.7	J*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7440-48-4	Cobalt	21.3		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-50-8	Copper	6	*	1	0.04	1.0	2	ug/L	07/01/14	07/03/14	SW6020
7439-92-1	Lead	0.26	J	1	0.04	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-96-5	Manganese	1630		1	0.05	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/01/14	07/01/14	SW7470A
7440-02-0	Nickel	53	*	1	0.06	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7782-49-2	Selenium	2.5	U	1	0.7	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-22-4	Silver	0.058	J	1	0.03	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-28-0	Thallium	0.028	J	1	0.02	0.5	1	ug/L	07/01/14	07/03/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/01/14	07/03/14	SW6020
7440-66-6	Zinc	21.2	*	1	0.09	1.0	2	ug/L	07/01/14	07/03/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

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ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX

DVIRKA & BARTILUCCI

330 Crossways Park Drive

Woodbury, NY - 11797

Phone No: 516-364-9890

ORDER ID : F2933

ATTENTION : MARIA WRIGHT

Hit Summary Sheet SW-846

SDG No.: F2933

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	MW-E								
F2933-02	MW-E	Water	sec-Butylbenzene	1.70		0.2	0.2	1	ug/L
			Total Voc :	1.7					
F2933-02	MW-E	Water	Pentane, 3-methyl-	* 7.60	J	0		0	ug/L
F2933-02	MW-E	Water	Benzene, 1,2-diethyl-	* 11.70	J	0		0	ug/L
F2933-02	MW-E	Water	Pentane, 2,3,3-trimethyl-	* 11.40	J	0		0	ug/L
F2933-02	MW-E	Water	Pentane, 2,3-dimethyl-	* 7.70	J	0		0	ug/L
F2933-02	MW-E	Water	Pentane, 2,3,4-trimethyl-	* 9.90	J	0		0	ug/L
F2933-02	MW-E	Water	Butane, 2,2,3,3-tetramethyl-	* 27.90	J	0		0	ug/L
F2933-02	MW-E	Water	Benzene, 2-ethenyl-1,4-dimethyl-	* 6.00	J	0		0	ug/L
F2933-02	MW-E	Water	Benzene, 1-ethenyl-3-ethyl-	* 19.90	J	0		0	ug/L
F2933-02	MW-E	Water	1H-Indene, 2,3-dihydro-1,2-dimethyl-	* 7.30	J	0		0	ug/L
			Total Tics :	109.4					
			Total Concentration:	111.1					
Client ID:	MW-F								
F2933-03	MW-F	Water	Methyl tert-butyl Ether	18.80		0.35	0.5	1	ug/L
F2933-03	MW-F	Water	Cyclohexane	160.00		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	Methylcyclohexane	48.10		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	Benzene	690.00	E	0.2	0.2	1	ug/L
F2933-03	MW-F	Water	Toluene	37.60		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	Ethyl Benzene	200.00	E	0.2	0.2	1	ug/L
F2933-03	MW-F	Water	m/p-Xylenes	110.00		0.4	0.4	2	ug/L
F2933-03	MW-F	Water	o-Xylene	5.40		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	Isopropylbenzene	14.70		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	n-propylbenzene	24.70		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	1,3,5-Trimethylbenzene	4.80		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	1,2,4-Trimethylbenzene	4.90		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	sec-Butylbenzene	1.60		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	p-Isopropyltoluene	0.33	J	0.2	0.2	1	ug/L
F2933-03	MW-F	Water	n-Butylbenzene	1.70		0.2	0.2	1	ug/L
F2933-03	MW-F	Water	Naphthalene	55.90		0.2	0.2	1	ug/L
			Total Voc :	1378.53					
F2933-03	MW-F	Water	unknown8.41	* 62.20	J	0		0	ug/L
F2933-03	MW-F	Water	Butane, 2-methyl-	* 56.40	J	0		0	ug/L
F2933-03	MW-F	Water	Cyclopentane, methyl-	* 53.30	J	0		0	ug/L
F2933-03	MW-F	Water	Pentane	* 37.40	J	0		0	ug/L
F2933-03	MW-F	Water	Indane	* 150.00	J	0		0	ug/L
F2933-03	MW-F	Water	Benzene, 1-ethyl-2-methyl-	* 77.80	J	0		0	ug/L

Hit Summary Sheet SW-846

SDG No.: F2933
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2933-03	MW-F	Water	Indan, 1-methyl-	* 36.20	J	0		0	ug/L
F2933-03	MW-F	Water	Cyclopropane, 1,2-dimethyl-, c	* 47.90	J	0		0	ug/L
F2933-03	MW-F	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 41.50	J	0		0	ug/L
F2933-03	MW-F	Water	Benzene, 1-ethenyl-4-ethyl-	* 63.90	J	0		0	ug/L
F2933-03	MW-F	Water	Diisopropyl ether	* 4.20	J	0.2		1	ug/L
Total Tics :				630.8					
Total Concentration:				2009.33					
Client ID:	MW-FDL								
F2933-03DL	MW-FDL	Water	Methyl tert-butyl Ether	17.20	D	3.5	5	10	ug/L
F2933-03DL	MW-FDL	Water	Cyclohexane	140.00	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	Methylcyclohexane	42.80	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	Benzene	640.00	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	Toluene	34.70	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	Ethyl Benzene	190.00	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	m/p-Xylenes	96.30	D	4	4	20	ug/L
F2933-03DL	MW-FDL	Water	Isopropylbenzene	13.70	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	n-propylbenzene	23.00	D	2	2	10	ug/L
F2933-03DL	MW-FDL	Water	Naphthalene	76.20	D	2	2	10	ug/L
Total Voc :				1273.9					
Total Concentration:				1273.9					
Client ID:	MW-G								
F2933-04	MW-G	Water	Methyl tert-butyl Ether	20.80		0.35	0.5	1	ug/L
F2933-04	MW-G	Water	Cyclohexane	46.00		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	Methylcyclohexane	17.50		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	Benzene	1,200.00	E	0.2	0.2	1	ug/L
F2933-04	MW-G	Water	Toluene	71.80		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	Ethyl Benzene	220.00	E	0.2	0.2	1	ug/L
F2933-04	MW-G	Water	m/p-Xylenes	450.00	E	0.4	0.4	2	ug/L
F2933-04	MW-G	Water	o-Xylene	20.80		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	Isopropylbenzene	10.50		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	n-propylbenzene	20.40		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	1,3,5-Trimethylbenzene	56.60		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	1,2,4-Trimethylbenzene	130.00		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	sec-Butylbenzene	1.10		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	p-Isopropyltoluene	0.91	J	0.2	0.2	1	ug/L
F2933-04	MW-G	Water	n-Butylbenzene	1.40		0.2	0.2	1	ug/L
F2933-04	MW-G	Water	Naphthalene	53.80		0.2	0.2	1	ug/L
Total Voc :				2321.61					

Hit Summary Sheet SW-846

SDG No.: F2933
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units	
F2933-04	MW-G	Water	unknown	8.41	*	34.30	J	0	0	ug/L
F2933-04	MW-G	Water	Butane, 2-methyl-		*	26.50	J	0	0	ug/L
F2933-04	MW-G	Water	Cyclopentane, methyl-		*	22.60	J	0	0	ug/L
F2933-04	MW-G	Water	Pentane		*	18.60	J	0	0	ug/L
F2933-04	MW-G	Water	1-Pentene		*	31.90	J	0	0	ug/L
F2933-04	MW-G	Water	Indane		*	55.10	J	0	0	ug/L
F2933-04	MW-G	Water	Benzene, 1-ethyl-2-methyl-		*	20.50	J	0	0	ug/L
F2933-04	MW-G	Water	Benzene, 1-ethyl-3-methyl-		*	23.70	J	0	0	ug/L
F2933-04	MW-G	Water	Propane, 2-ethoxy-2-methyl-		*	20.00	J	0	0	ug/L
F2933-04	MW-G	Water	Cyclopropane, 1,2-dimethyl-, c		*	31.30	J	0	0	ug/L
F2933-04	MW-G	Water	Tert butyl alcohol		*	220.00	J	0.5	5	ug/L
F2933-04	MW-G	Water	Diisopropyl ether		*	9.50	J	0.2	1	ug/L
Total Tics :				514						
Total Concentration:				2835.61						
Client ID:	MW-GDL									
F2933-04DL	MW-GDL	Water	Benzene	1,200.00	D	4	4	20	ug/L	
F2933-04DL	MW-GDL	Water	Toluene	64.00	D	4	4	20	ug/L	
F2933-04DL	MW-GDL	Water	Ethyl Benzene	140.00	D	4	4	20	ug/L	
F2933-04DL	MW-GDL	Water	m/p-Xylenes	380.00	D	8	8	40	ug/L	
F2933-04DL	MW-GDL	Water	1,3,5-Trimethylbenzene	50.00	D	4	4	20	ug/L	
F2933-04DL	MW-GDL	Water	1,2,4-Trimethylbenzene	87.20	D	4	4	20	ug/L	
F2933-04DL	MW-GDL	Water	Naphthalene	110.00	D	4	4	20	ug/L	
Total Voc :				2031.2						
Total Concentration:				2031.2						
Client ID:	MW-H									
F2933-05	MW-H	Water	Ethyl Benzene	1.40		0.2	0.2	1	ug/L	
F2933-05	MW-H	Water	m/p-Xylenes	2.50		0.4	0.4	2	ug/L	
F2933-05	MW-H	Water	o-Xylene	1.30		0.2	0.2	1	ug/L	
F2933-05	MW-H	Water	1,2,4-Trimethylbenzene	0.81	J	0.2	0.2	1	ug/L	
Total Voc :				6.01						
Total Concentration:				6.01						

Hit Summary Sheet SW-846

SDG No.: F2933
Client: Dvirka & Bartilucci

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : MW-E								
F2933-02	MW-E	WATER	Dimethylphthalate	2.700	J	0.22	1	10 ug/L
			Total Svoc :					2.70
F2933-02	MW-E	WATER	1H-Indene, 2,3-dihydro-4-methyl- *	4.400	J	0		0 ug/L
F2933-02	MW-E	WATER	Butane, 2-methoxy-2-methyl- *	80.300	J	0		0 ug/L
F2933-02	MW-E	WATER	unknown6.87 *	74.600	JB	0		0 ug/L
			Total Tics :					159.30
			Total Concentration:					162.00
Client ID : MW-F								
F2933-03	MW-F	WATER	Phenol	4.400	J	0.21	1	10 ug/L
F2933-03	MW-F	WATER	Naphthalene	53.600		0.12	1	10 ug/L
F2933-03	MW-F	WATER	2-Methylnaphthalene	14.200		0.32	1	10 ug/L
F2933-03	MW-F	WATER	Dimethylphthalate	5.800	J	0.22	1	10 ug/L
			Total Svoc :					78.00
F2933-03	MW-F	WATER	Amylene Hydrate *	21.100	J	0		0 ug/L
F2933-03	MW-F	WATER	Benzene, 2-ethenyl-1,4-dimethyl- *	30.300	J	0		0 ug/L
F2933-03	MW-F	WATER	Benzoic acid, 3,4-dimethyl- *	26.000	J	0		0 ug/L
F2933-03	MW-F	WATER	Butane, 2-methoxy-2-methyl- *	83.700	J	0		0 ug/L
F2933-03	MW-F	WATER	1-(2-Methoxy-1-methylethyl)-2-me *	20.100	J	0		0 ug/L
F2933-03	MW-F	WATER	15-Tetracosenoic acid, methyl este *	25.900	J	0		0 ug/L
F2933-03	MW-F	WATER	Indane *	110.000	J	0		0 ug/L
F2933-03	MW-F	WATER	unknown6.87 *	70.700	JB	0		0 ug/L
F2933-03	MW-F	WATER	unknown7.96 *	58.500	J	0		0 ug/L
F2933-03	MW-F	WATER	unknown7.99 *	43.200	J	0		0 ug/L
			Total Tics :					489.50
			Total Concentration:					567.50
Client ID : MW-G								
F2933-04	MW-G	WATER	Phenol	21.900		0.21	1	10 ug/L
F2933-04	MW-G	WATER	3+4-Methylphenols	3.200	J	0.38	1	10 ug/L
F2933-04	MW-G	WATER	2,4-Dimethylphenol	12.500		0.71	1	10 ug/L
F2933-04	MW-G	WATER	Naphthalene	18.800		0.12	1	10 ug/L
F2933-04	MW-G	WATER	2-Methylnaphthalene	8.600	J	0.32	1	10 ug/L
F2933-04	MW-G	WATER	Dimethylphthalate	5.300	J	0.22	1	10 ug/L
			Total Svoc :					70.30
F2933-04	MW-G	WATER	Benzene, 1-methyl-2-(1-methylethy *	35.400	J	0		0 ug/L
F2933-04	MW-G	WATER	Benzene, 2-ethenyl-1,4-dimethyl- *	22.700	J	0		0 ug/L
F2933-04	MW-G	WATER	Benzeneacetaldehyde, .alpha.-meth *	28.800	J	0		0 ug/L
F2933-04	MW-G	WATER	Butane, 2-methoxy-2-methyl- *	91.900	J	0		0 ug/L
F2933-04	MW-G	WATER	Indane *	80.900	J	0		0 ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: F2933
Client: Dvirka & Bartilucci

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
F2933-04	MW-G	WATER	unknown6.87	* 78.100	JB	0		0	ug/L
F2933-04	MW-G	WATER	unknown7.92	* 68.900	J	0		0	ug/L
F2933-04	MW-G	WATER	unknown7.97	* 24.500	J	0		0	ug/L
Total Tics :					431.20				
Total Concentration:					501.50				
Client ID : MW-H									
F2933-05	MW-H	WATER	Dimethylphthalate	3.500	J	0.22	1	10	ug/L
Total Svoc :					3.50				
F2933-05	MW-H	WATER	unknown6.87	* 90.500	JB	0		0	ug/L
F2933-05	MW-H	WATER	2- Bromopropionic acid, pentadecy	* 3.800	J	0		0	ug/L
F2933-05	MW-H	WATER	Butane, 2-methoxy-2-methyl-	* 100.000	J	0		0	ug/L
Total Tics :					194.30				
Total Concentration:					197.80				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: F2933

Order ID: F2933

Client: Dvirka & Bartilucci

Project ID: NYCSCA Unionport Road Bronx

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : MW-E									
F2933-02	MW-E	WATER	Antimony	0.570	J	0.14	1.0	2	ug/L
F2933-02	MW-E	WATER	Arsenic	0.820	J	0.18	0.5	1	ug/L
F2933-02	MW-E	WATER	Barium	211.000		0.1	5.0	10	ug/L
F2933-02	MW-E	WATER	Cadmium	0.670	J	0.13	0.5	1	ug/L
F2933-02	MW-E	WATER	Chromium	2.400		0.04	1.0	2	ug/L
F2933-02	MW-E	WATER	Cobalt	8.500		0.05	0.5	1	ug/L
F2933-02	MW-E	WATER	Copper	13.400		0.04	1.0	2	ug/L
F2933-02	MW-E	WATER	Lead	8.400		0.04	0.5	1	ug/L
F2933-02	MW-E	WATER	Manganese	15,400.000	D	1.3	12.5	25	ug/L
F2933-02	MW-E	WATER	Nickel	11.300		0.06	0.5	1	ug/L
F2933-02	MW-E	WATER	Selenium	3.300	J	0.7	2.5	5	ug/L
F2933-02	MW-E	WATER	Thallium	0.064	J	0.02	0.5	1	ug/L
F2933-02	MW-E	WATER	Vanadium	2.200	J	0.15	2.5	5	ug/L
F2933-02	MW-E	WATER	Zinc	17.700		0.09	1.0	2	ug/L
Client ID : MW-F									
F2933-03	MW-F	WATER	Antimony	0.760	J	0.14	1.0	2	ug/L
F2933-03	MW-F	WATER	Arsenic	11.100		0.18	0.5	1	ug/L
F2933-03	MW-F	WATER	Barium	221.000		0.1	5.0	10	ug/L
F2933-03	MW-F	WATER	Cadmium	0.160	J	0.13	0.5	1	ug/L
F2933-03	MW-F	WATER	Chromium	2.000	J	0.04	1.0	2	ug/L
F2933-03	MW-F	WATER	Cobalt	3.000		0.05	0.5	1	ug/L
F2933-03	MW-F	WATER	Copper	4.600		0.04	1.0	2	ug/L
F2933-03	MW-F	WATER	Lead	7.400		0.04	0.5	1	ug/L
F2933-03	MW-F	WATER	Manganese	3,580.000		0.05	0.5	1	ug/L
F2933-03	MW-F	WATER	Nickel	5.900		0.06	0.5	1	ug/L
F2933-03	MW-F	WATER	Silver	0.041	J	0.03	0.5	1	ug/L
F2933-03	MW-F	WATER	Thallium	0.042	J	0.02	0.5	1	ug/L
F2933-03	MW-F	WATER	Vanadium	0.750	J	0.15	2.5	5	ug/L
F2933-03	MW-F	WATER	Zinc	32.300		0.09	1.0	2	ug/L
Client ID : MW-G									
F2933-04	MW-G	WATER	Antimony	2.000	J	0.14	1.0	2	ug/L
F2933-04	MW-G	WATER	Arsenic	4.500		0.18	0.5	1	ug/L
F2933-04	MW-G	WATER	Barium	148.000		0.1	5.0	10	ug/L
F2933-04	MW-G	WATER	Cadmium	0.500	J	0.13	0.5	1	ug/L
F2933-04	MW-G	WATER	Chromium	3.900		0.04	1.0	2	ug/L
F2933-04	MW-G	WATER	Cobalt	15.100		0.05	0.5	1	ug/L
F2933-04	MW-G	WATER	Copper	20.600		0.04	1.0	2	ug/L
F2933-04	MW-G	WATER	Lead	24.300		0.04	0.5	1	ug/L

**Hit Summary Sheet**
SW-846**SDG No.:** F2933**Order ID:** F2933**Client:** Dvirka & Bartilucci**Project ID:** NYCSCA Unionport Road Bronx

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2933-04	MW-G	WATER	Manganese	2,780.000		0.05	0.5	1	ug/L
F2933-04	MW-G	WATER	Nickel	13.300		0.06	0.5	1	ug/L
F2933-04	MW-G	WATER	Selenium	0.950	J	0.7	2.5	5	ug/L
F2933-04	MW-G	WATER	Silver	0.049	J	0.03	0.5	1	ug/L
F2933-04	MW-G	WATER	Thallium	0.100	J	0.02	0.5	1	ug/L
F2933-04	MW-G	WATER	Vanadium	3.300	J	0.15	2.5	5	ug/L
F2933-04	MW-G	WATER	Zinc	214.000		0.09	1.0	2	ug/L
Client ID : MW-H									
F2933-05	MW-H	WATER	Antimony	1.600	J	0.14	1.0	2	ug/L
F2933-05	MW-H	WATER	Arsenic	1.800		0.18	0.5	1	ug/L
F2933-05	MW-H	WATER	Barium	158.000		0.1	5.0	10	ug/L
F2933-05	MW-H	WATER	Cadmium	1.100		0.13	0.5	1	ug/L
F2933-05	MW-H	WATER	Chromium	3.300		0.04	1.0	2	ug/L
F2933-05	MW-H	WATER	Cobalt	1.700		0.05	0.5	1	ug/L
F2933-05	MW-H	WATER	Copper	7.700		0.04	1.0	2	ug/L
F2933-05	MW-H	WATER	Lead	23.000		0.04	0.5	1	ug/L
F2933-05	MW-H	WATER	Manganese	552.000		0.05	0.5	1	ug/L
F2933-05	MW-H	WATER	Nickel	4.500		0.06	0.5	1	ug/L
F2933-05	MW-H	WATER	Selenium	1.200	J	0.7	2.5	5	ug/L
F2933-05	MW-H	WATER	Silver	0.045	J	0.03	0.5	1	ug/L
F2933-05	MW-H	WATER	Thallium	0.041	J	0.02	0.5	1	ug/L
F2933-05	MW-H	WATER	Vanadium	4.400	J	0.15	2.5	5	ug/L
F2933-05	MW-H	WATER	Zinc	48.100		0.09	1.0	2	ug/L
Client ID : MW-E									
F2933-06	MW-E	WATER	Antimony	0.540	J	0.14	1.0	2	ug/L
F2933-06	MW-E	WATER	Arsenic	0.750	J	0.18	0.5	1	ug/L
F2933-06	MW-E	WATER	Barium	194.000		0.1	5.0	10	ug/L
F2933-06	MW-E	WATER	Cadmium	0.620	J	0.13	0.5	1	ug/L
F2933-06	MW-E	WATER	Chromium	0.980	J	0.04	1.0	2	ug/L
F2933-06	MW-E	WATER	Cobalt	5.300		0.05	0.5	1	ug/L
F2933-06	MW-E	WATER	Copper	6.600		0.04	1.0	2	ug/L
F2933-06	MW-E	WATER	Lead	0.280	J	0.04	0.5	1	ug/L
F2933-06	MW-E	WATER	Manganese	13,800.000	D	1.3	12.5	25	ug/L
F2933-06	MW-E	WATER	Nickel	7.500		0.06	0.5	1	ug/L
F2933-06	MW-E	WATER	Selenium	3.000	J	0.7	2.5	5	ug/L
F2933-06	MW-E	WATER	Thallium	0.042	J	0.02	0.5	1	ug/L
F2933-06	MW-E	WATER	Vanadium	0.160	J	0.15	2.5	5	ug/L
F2933-06	MW-E	WATER	Zinc	7.200		0.09	1.0	2	ug/L
Client ID : MW-F									
F2933-07	MW-F	WATER	Antimony	0.250	J	0.14	1.0	2	ug/L

**Hit Summary Sheet**
SW-846**SDG No.:** F2933**Order ID:** F2933**Client:** Dvirka & Bartilucci**Project ID:** NYCSCA Unionport Road Bronx

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2933-07	MW-F	WATER	Arsenic	0.980	J	0.18	0.5	1	ug/L
F2933-07	MW-F	WATER	Barium	155.000		0.1	5.0	10	ug/L
F2933-07	MW-F	WATER	Chromium	0.300	J	0.04	1.0	2	ug/L
F2933-07	MW-F	WATER	Cobalt	1.900		0.05	0.5	1	ug/L
F2933-07	MW-F	WATER	Copper	0.630	J	0.04	1.0	2	ug/L
F2933-07	MW-F	WATER	Lead	0.094	J	0.04	0.5	1	ug/L
F2933-07	MW-F	WATER	Manganese	3,050.000		0.05	0.5	1	ug/L
F2933-07	MW-F	WATER	Nickel	3.600		0.06	0.5	1	ug/L
F2933-07	MW-F	WATER	Thallium	0.027	J	0.02	0.5	1	ug/L
F2933-07	MW-F	WATER	Zinc	8.000		0.09	1.0	2	ug/L
Client ID : MW-G									
F2933-08	MW-G	WATER	Antimony	0.580	J	0.14	1.0	2	ug/L
F2933-08	MW-G	WATER	Arsenic	0.560	J	0.18	0.5	1	ug/L
F2933-08	MW-G	WATER	Barium	87.100		0.1	5.0	10	ug/L
F2933-08	MW-G	WATER	Chromium	1.100	J	0.04	1.0	2	ug/L
F2933-08	MW-G	WATER	Cobalt	6.800		0.05	0.5	1	ug/L
F2933-08	MW-G	WATER	Copper	0.680	J	0.04	1.0	2	ug/L
F2933-08	MW-G	WATER	Lead	0.390	J	0.04	0.5	1	ug/L
F2933-08	MW-G	WATER	Manganese	2,460.000		0.05	0.5	1	ug/L
F2933-08	MW-G	WATER	Nickel	7.600		0.06	0.5	1	ug/L
F2933-08	MW-G	WATER	Thallium	0.028	J	0.02	0.5	1	ug/L
F2933-08	MW-G	WATER	Zinc	13.100		0.09	1.0	2	ug/L
Client ID : MW-H									
F2933-09	MW-H	WATER	Antimony	1.000	J	0.14	1.0	2	ug/L
F2933-09	MW-H	WATER	Arsenic	0.480	J	0.18	0.5	1	ug/L
F2933-09	MW-H	WATER	Barium	113.000		0.1	5.0	10	ug/L
F2933-09	MW-H	WATER	Chromium	0.570	J	0.04	1.0	2	ug/L
F2933-09	MW-H	WATER	Cobalt	0.200	J	0.05	0.5	1	ug/L
F2933-09	MW-H	WATER	Copper	1.700	J	0.04	1.0	2	ug/L
F2933-09	MW-H	WATER	Lead	0.180	J	0.04	0.5	1	ug/L
F2933-09	MW-H	WATER	Manganese	12.500		0.05	0.5	1	ug/L
F2933-09	MW-H	WATER	Nickel	1.600		0.06	0.5	1	ug/L
F2933-09	MW-H	WATER	Thallium	0.027	J	0.02	0.5	1	ug/L
F2933-09	MW-H	WATER	Vanadium	1.700	J	0.15	2.5	5	ug/L
F2933-09	MW-H	WATER	Zinc	10.700		0.09	1.0	2	ug/L

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX TO-15

DVIRKA & BARTILUCCI

330 Crossways Park Drive

Woodbury, NY - 11797

Phone No: 516-364-9890

ORDER ID : F2940

ATTENTION : MARIA WRIGHT



DoD ELAP

Hit Summary Sheet SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	SV-17								
F2940-01	SV-17	Air	Dichlorodifluoromethane	0.59	J	0.2	0.49	2.47	ug/m3
F2940-01	SV-17	Air	Chloromethane	0.87	J	0.21	0.21	1.03	ug/m3
F2940-01	SV-17	Air	Vinyl Chloride	0.18		0.08	0.08	0.08	ug/m3
F2940-01	SV-17	Air	Chloroethane	0.69	J	0.26	0.26	1.32	ug/m3
F2940-01	SV-17	Air	Tetrahydrofuran	3.83		0.29	0.29	1.47	ug/m3
F2940-01	SV-17	Air	Trichlorofluoromethane	1.40	J	0.22	0.56	2.81	ug/m3
F2940-01	SV-17	Air	Heptane	20.10		0.41	0.41	2.05	ug/m3
F2940-01	SV-17	Air	Acetone	546.00	EB	0.24	0.24	1.19	ug/m3
F2940-01	SV-17	Air	Carbon Disulfide	26.50		0.16	0.31	1.56	ug/m3
F2940-01	SV-17	Air	Methylene Chloride	14.60	B	0.17	0.35	1.74	ug/m3
F2940-01	SV-17	Air	Cyclohexane	5.51		0.34	0.34	1.72	ug/m3
F2940-01	SV-17	Air	2-Butanone	16.20		0.29	0.29	1.47	ug/m3
F2940-01	SV-17	Air	Carbon Tetrachloride	0.69		0.19	0.19	0.19	ug/m3
F2940-01	SV-17	Air	Chloroform	4.88		0.1	0.49	2.44	ug/m3
F2940-01	SV-17	Air	1,1,1-Trichloroethane	0.60		0.16	0.16	0.16	ug/m3
F2940-01	SV-17	Air	Benzene	3.51		0.13	0.32	1.6	ug/m3
F2940-01	SV-17	Air	Trichloroethene	0.21		0.11	0.16	0.16	ug/m3
F2940-01	SV-17	Air	Toluene	26.80		0.19	0.38	1.88	ug/m3
F2940-01	SV-17	Air	Tetrachloroethene	27.80		0.2	0.2	0.2	ug/m3
F2940-01	SV-17	Air	Ethyl Benzene	15.20		0.43	0.43	2.17	ug/m3
F2940-01	SV-17	Air	m/p-Xylene	61.70		0.43	0.87	4.34	ug/m3
F2940-01	SV-17	Air	o-Xylene	40.80		0.43	0.43	2.17	ug/m3
F2940-01	SV-17	Air	Styrene	1.23	J	0.43	0.43	2.13	ug/m3
F2940-01	SV-17	Air	1,3,5-Trimethylbenzene	87.00	E	0.49	0.49	2.46	ug/m3
F2940-01	SV-17	Air	1,2,4-Trimethylbenzene	211.00	E	0.49	0.49	2.46	ug/m3
F2940-01	SV-17	Air	Naphthalene	29.90		0.21	0.52	2.62	ug/m3
F2940-01	SV-17	Air	4-Ethyltoluene	88.00	E	0.49	0.49	2.46	ug/m3
F2940-01	SV-17	Air	Hexane	36.60		0.14	0.35	1.76	ug/m3
Total Voc :				1272.39					
Total Concentration:				1272.39					
Client ID:	SV-17DL								
F2940-01DL	SV-17DL	Air	Heptane	17.60	JD	4.1	4.1	20.5	ug/m3
F2940-01DL	SV-17DL	Air	Acetone	665.00	EDB	2.38	2.38	11.9	ug/m3
F2940-01DL	SV-17DL	Air	Methylene Chloride	17.70	DB	1.74	3.47	17.4	ug/m3
F2940-01DL	SV-17DL	Air	2-Butanone	14.40	JD	2.95	2.95	14.8	ug/m3
F2940-01DL	SV-17DL	Air	Toluene	25.60	D	1.88	3.77	18.8	ug/m3
F2940-01DL	SV-17DL	Air	Tetrachloroethene	25.80	D	2.03	2.03	2.03	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-01DL	SV-17DL	Air	Ethyl Benzene	13.00	JD	4.34	4.34	21.7	ug/m3
F2940-01DL	SV-17DL	Air	m/p-Xylene	56.50	D	4.34	8.69	43.4	ug/m3
F2940-01DL	SV-17DL	Air	o-Xylene	36.00	D	4.34	4.34	21.7	ug/m3
F2940-01DL	SV-17DL	Air	1,3,5-Trimethylbenzene	86.00	D	4.92	4.92	24.6	ug/m3
F2940-01DL	SV-17DL	Air	1,2,4-Trimethylbenzene	259.00	D	4.92	4.92	24.6	ug/m3
F2940-01DL	SV-17DL	Air	Naphthalene	19.40	JD	2.1	5.24	26.2	ug/m3
F2940-01DL	SV-17DL	Air	4-Ethyltoluene	90.50	D	4.92	4.92	24.6	ug/m3
F2940-01DL	SV-17DL	Air	Hexane	33.10	D	1.41	3.52	17.6	ug/m3
Total Voc :				1359.6					
Total Concentration:				1359.6					
Client ID:	SV-17DL2								
F2940-01DL2	SV-17DL2	Air	Acetone	617.00	DB	9.5	9.5	47.5	ug/m3
F2940-01DL2	SV-17DL2	Air	Toluene	18.10	JD	7.54	15.1	75.4	ug/m3
F2940-01DL2	SV-17DL2	Air	Tetrachloroethene	24.40	D	8.14	8.14	8.14	ug/m3
F2940-01DL2	SV-17DL2	Air	m/p-Xylene	36.50	JD	17.4	34.8	173	ug/m3
F2940-01DL2	SV-17DL2	Air	o-Xylene	22.60	JD	17.4	17.4	86.9	ug/m3
F2940-01DL2	SV-17DL2	Air	1,3,5-Trimethylbenzene	53.10	JD	19.7	19.7	98.3	ug/m3
F2940-01DL2	SV-17DL2	Air	1,2,4-Trimethylbenzene	186.00	D	19.7	19.7	98.3	ug/m3
F2940-01DL2	SV-17DL2	Air	Naphthalene	12.60	JD	8.39	21.0	104	ug/m3
F2940-01DL2	SV-17DL2	Air	4-Ethyltoluene	59.00	JD	19.7	19.7	98.3	ug/m3
F2940-01DL2	SV-17DL2	Air	Hexane	26.80	JD	5.64	14.1	70.5	ug/m3
Total Voc :				1056.1					
Total Concentration:				1056.1					
Client ID:	SV-7								
F2940-02	SV-7	Air	Dichlorodifluoromethane	1.24	J	0.2	0.49	2.47	ug/m3
F2940-02	SV-7	Air	Chloromethane	1.05		0.21	0.21	1.03	ug/m3
F2940-02	SV-7	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F2940-02	SV-7	Air	1,1,2-Trichlorotrifluoroethane	0.61	J	0.31	0.77	3.83	ug/m3
F2940-02	SV-7	Air	tert-Butyl alcohol	4.55		0.3	0.3	1.52	ug/m3
F2940-02	SV-7	Air	Heptane	4.92		0.41	0.41	2.05	ug/m3
F2940-02	SV-7	Air	Acetone	209.00	EB	0.24	0.24	1.19	ug/m3
F2940-02	SV-7	Air	Carbon Disulfide	10.30		0.16	0.31	1.56	ug/m3
F2940-02	SV-7	Air	Methyl tert-Butyl Ether	1.80		0.18	0.36	1.8	ug/m3
F2940-02	SV-7	Air	Methylene Chloride	9.38	B	0.17	0.35	1.74	ug/m3
F2940-02	SV-7	Air	Cyclohexane	6.54		0.34	0.34	1.72	ug/m3
F2940-02	SV-7	Air	2-Butanone	6.78		0.29	0.29	1.47	ug/m3
F2940-02	SV-7	Air	Carbon Tetrachloride	0.44		0.19	0.19	0.19	ug/m3
F2940-02	SV-7	Air	Chloroform	1.12	J	0.1	0.49	2.44	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-02	SV-7	Air	2,2,4-Trimethylpentane	13.10		0.19	0.47	2.34	ug/m3
F2940-02	SV-7	Air	Benzene	4.47		0.13	0.32	1.6	ug/m3
F2940-02	SV-7	Air	Trichloroethene	0.21		0.11	0.16	0.16	ug/m3
F2940-02	SV-7	Air	4-Methyl-2-Pentanone	1.64	J	0.2	0.41	2.05	ug/m3
F2940-02	SV-7	Air	Toluene	27.10		0.19	0.38	1.88	ug/m3
F2940-02	SV-7	Air	Tetrachloroethene	21.00		0.2	0.2	0.2	ug/m3
F2940-02	SV-7	Air	Ethyl Benzene	23.00		0.43	0.43	2.17	ug/m3
F2940-02	SV-7	Air	m/p-Xylene	53.90		0.43	0.87	4.34	ug/m3
F2940-02	SV-7	Air	o-Xylene	19.60		0.43	0.43	2.17	ug/m3
F2940-02	SV-7	Air	Styrene	1.15	J	0.43	0.43	2.13	ug/m3
F2940-02	SV-7	Air	1,3,5-Trimethylbenzene	9.34		0.49	0.49	2.46	ug/m3
F2940-02	SV-7	Air	1,2,4-Trimethylbenzene	40.80		0.49	0.49	2.46	ug/m3
F2940-02	SV-7	Air	Naphthalene	32.00		0.21	0.52	2.62	ug/m3
F2940-02	SV-7	Air	4-Ethyltoluene	13.80		0.49	0.49	2.46	ug/m3
F2940-02	SV-7	Air	Hexane	9.16		0.14	0.35	1.76	ug/m3
Total Voc :				529.57					
Total Concentration:				529.57					
Client ID:	SV-7DL								
F2940-02DL	SV-7DL	Air	tert-Butyl alcohol	4.85	JDQ	3.03	3.03	15.2	ug/m3
F2940-02DL	SV-7DL	Air	Heptane	4.51	JD	4.1	4.1	20.5	ug/m3
F2940-02DL	SV-7DL	Air	Acetone	261.00	DB	2.38	2.38	11.9	ug/m3
F2940-02DL	SV-7DL	Air	Carbon Disulfide	9.03	JD	1.56	3.11	15.6	ug/m3
F2940-02DL	SV-7DL	Air	Cyclohexane	6.54	JD	3.44	3.44	17.2	ug/m3
F2940-02DL	SV-7DL	Air	2-Butanone	5.90	JD	2.95	2.95	14.8	ug/m3
F2940-02DL	SV-7DL	Air	2,2,4-Trimethylpentane	12.10	JD	1.87	4.67	23.4	ug/m3
F2940-02DL	SV-7DL	Air	Benzene	4.47	JD	1.28	3.19	16.0	ug/m3
F2940-02DL	SV-7DL	Air	Toluene	28.30	D	1.88	3.77	18.8	ug/m3
F2940-02DL	SV-7DL	Air	Tetrachloroethene	21.00	D	2.03	2.03	2.03	ug/m3
F2940-02DL	SV-7DL	Air	Ethyl Benzene	22.20	D	4.34	4.34	21.7	ug/m3
F2940-02DL	SV-7DL	Air	m/p-Xylene	56.00	D	4.34	8.69	43.4	ug/m3
F2940-02DL	SV-7DL	Air	o-Xylene	20.80	JD	4.34	4.34	21.7	ug/m3
F2940-02DL	SV-7DL	Air	1,3,5-Trimethylbenzene	10.80	JD	4.92	4.92	24.6	ug/m3
F2940-02DL	SV-7DL	Air	1,2,4-Trimethylbenzene	46.70	D	4.92	4.92	24.6	ug/m3
F2940-02DL	SV-7DL	Air	Naphthalene	21.00	JD	2.1	5.24	26.2	ug/m3
F2940-02DL	SV-7DL	Air	4-Ethyltoluene	13.80	JD	4.92	4.92	24.6	ug/m3
F2940-02DL	SV-7DL	Air	Hexane	8.81	JD	1.41	3.52	17.6	ug/m3
Total Voc :				557.81					
Total Concentration:				557.81					

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	SV-6								
F2940-04	SV-6	Air	Dichlorodifluoromethane	3.86		0.2	0.49	2.47	ug/m3
F2940-04	SV-6	Air	Chloromethane	0.95	J	0.21	0.21	1.03	ug/m3
F2940-04	SV-6	Air	Trichlorofluoromethane	5.11		0.22	0.56	2.81	ug/m3
F2940-04	SV-6	Air	1,1,2-Trichlorotrifluoroethane	0.84	J	0.31	0.77	3.83	ug/m3
F2940-04	SV-6	Air	Heptane	18.80		0.41	0.41	2.05	ug/m3
F2940-04	SV-6	Air	Acetone	332.00	EB	0.24	0.24	1.19	ug/m3
F2940-04	SV-6	Air	Methylene Chloride	1.46	JB	0.17	0.35	1.74	ug/m3
F2940-04	SV-6	Air	Cyclohexane	55.80	E	0.34	0.34	1.72	ug/m3
F2940-04	SV-6	Air	2-Butanone	9.14		0.29	0.29	1.47	ug/m3
F2940-04	SV-6	Air	2,2,4-Trimethylpentane	185.00	E	0.19	0.47	2.34	ug/m3
F2940-04	SV-6	Air	Benzene	22.40		0.13	0.32	1.6	ug/m3
F2940-04	SV-6	Air	Toluene	23.40		0.19	0.38	1.88	ug/m3
F2940-04	SV-6	Air	Tetrachloroethene	183.00	E	0.2	0.2	0.2	ug/m3
F2940-04	SV-6	Air	Ethyl Benzene	105.00	E	0.43	0.43	2.17	ug/m3
F2940-04	SV-6	Air	m/p-Xylene	184.00	E	0.43	0.87	4.34	ug/m3
F2940-04	SV-6	Air	o-Xylene	74.30	E	0.43	0.43	2.17	ug/m3
F2940-04	SV-6	Air	Styrene	1.32	J	0.43	0.43	2.13	ug/m3
F2940-04	SV-6	Air	1,3,5-Trimethylbenzene	19.20		0.49	0.49	2.46	ug/m3
F2940-04	SV-6	Air	1,2,4-Trimethylbenzene	73.20		0.49	0.49	2.46	ug/m3
F2940-04	SV-6	Air	Naphthalene	9.96		0.21	0.52	2.62	ug/m3
F2940-04	SV-6	Air	4-Ethyltoluene	25.60		0.49	0.49	2.46	ug/m3
F2940-04	SV-6	Air	Hexane	51.10		0.14	0.35	1.76	ug/m3
Total Voc :				1385.44					
Total Concentration:				1385.44					
Client ID:	SV-6DL								
F2940-04DL	SV-6DL	Air	Acetone	380.00	EDB	2.38	2.38	11.9	ug/m3
F2940-04DL	SV-6DL	Air	Cyclohexane	49.20	D	3.44	3.44	17.2	ug/m3
F2940-04DL	SV-6DL	Air	2-Butanone	7.37	JD	2.95	2.95	14.8	ug/m3
F2940-04DL	SV-6DL	Air	2,2,4-Trimethylpentane	285.00	D	1.87	4.67	23.4	ug/m3
F2940-04DL	SV-6DL	Air	Benzene	19.20	D	1.28	3.19	16.0	ug/m3
F2940-04DL	SV-6DL	Air	Toluene	27.90	D	1.88	3.77	18.8	ug/m3
F2940-04DL	SV-6DL	Air	Tetrachloroethene	228.00	D	2.03	2.03	2.03	ug/m3
F2940-04DL	SV-6DL	Air	Ethyl Benzene	108.00	D	4.34	4.34	21.7	ug/m3
F2940-04DL	SV-6DL	Air	m/p-Xylene	204.00	D	4.34	8.69	43.4	ug/m3
F2940-04DL	SV-6DL	Air	o-Xylene	70.40	D	4.34	4.34	21.7	ug/m3
F2940-04DL	SV-6DL	Air	1,3,5-Trimethylbenzene	16.70	JD	4.92	4.92	24.6	ug/m3
F2940-04DL	SV-6DL	Air	1,2,4-Trimethylbenzene	70.80	D	4.92	4.92	24.6	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-04DL	SV-6DL	Air	Naphthalene	18.90	JD	2.1	5.24	26.2	ug/m3
F2940-04DL	SV-6DL	Air	4-Ethyltoluene	22.10	JD	4.92	4.92	24.6	ug/m3
F2940-04DL	SV-6DL	Air	Hexane	43.00	D	1.41	3.52	17.6	ug/m3
Total Voc :				1550.57					
Total Concentration:				1550.57					
Client ID:	SV-6DL2								
F2940-04DL2	SV-6DL2	Air	Acetone	380.00	DB	9.5	9.5	47.5	ug/m3
F2940-04DL2	SV-6DL2	Air	Cyclohexane	46.80	JD	13.8	13.8	68.8	ug/m3
F2940-04DL2	SV-6DL2	Air	2,2,4-Trimethylpentane	341.00	D	7.47	18.7	93.4	ug/m3
F2940-04DL2	SV-6DL2	Air	Benzene	20.40	JD	5.11	12.8	63.9	ug/m3
F2940-04DL2	SV-6DL2	Air	Toluene	28.60	JD	7.54	15.1	75.4	ug/m3
F2940-04DL2	SV-6DL2	Air	Tetrachloroethene	238.00	D	8.14	8.14	8.14	ug/m3
F2940-04DL2	SV-6DL2	Air	Ethyl Benzene	93.80	D	17.4	17.4	86.9	ug/m3
F2940-04DL2	SV-6DL2	Air	m/p-Xylene	178.00	D	17.4	34.8	173	ug/m3
F2940-04DL2	SV-6DL2	Air	o-Xylene	57.30	JD	17.4	17.4	86.9	ug/m3
F2940-04DL2	SV-6DL2	Air	1,2,4-Trimethylbenzene	51.10	JD	19.7	19.7	98.3	ug/m3
F2940-04DL2	SV-6DL2	Air	Hexane	39.50	JD	5.64	14.1	70.5	ug/m3
Total Voc :				1474.5					
Total Concentration:				1474.5					
Client ID:	SV-12								
F2940-05	SV-12	Air	Dichlorodifluoromethane	3.46		0.2	0.49	2.47	ug/m3
F2940-05	SV-12	Air	Chloromethane	1.78		0.21	0.21	1.03	ug/m3
F2940-05	SV-12	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F2940-05	SV-12	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F2940-05	SV-12	Air	Heptane	1.02	J	0.41	0.41	2.05	ug/m3
F2940-05	SV-12	Air	Acetone	45.40	EB	0.24	0.24	1.19	ug/m3
F2940-05	SV-12	Air	Methylene Chloride	1.01	JB	0.17	0.35	1.74	ug/m3
F2940-05	SV-12	Air	Cyclohexane	0.41	J	0.34	0.34	1.72	ug/m3
F2940-05	SV-12	Air	2-Butanone	5.90		0.29	0.29	1.47	ug/m3
F2940-05	SV-12	Air	Carbon Tetrachloride	0.44		0.19	0.19	0.19	ug/m3
F2940-05	SV-12	Air	2,2,4-Trimethylpentane	0.98	J	0.19	0.47	2.34	ug/m3
F2940-05	SV-12	Air	Benzene	0.58	J	0.13	0.32	1.6	ug/m3
F2940-05	SV-12	Air	Toluene	22.20		0.19	0.38	1.88	ug/m3
F2940-05	SV-12	Air	Tetrachloroethene	0.34		0.2	0.2	0.2	ug/m3
F2940-05	SV-12	Air	Ethyl Benzene	0.48	J	0.43	0.43	2.17	ug/m3
F2940-05	SV-12	Air	m/p-Xylene	1.56	J	0.43	0.87	4.34	ug/m3
F2940-05	SV-12	Air	o-Xylene	0.65	J	0.43	0.43	2.17	ug/m3
F2940-05	SV-12	Air	1,2,4-Trimethylbenzene	0.79	J	0.49	0.49	2.46	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				89.34					
Total Concentration:				89.34					
Client ID:	SV-12DL								
F2940-05DL	SV-12DL	Air	Acetone	45.80	DB	2.38	2.38	11.9	ug/m3
F2940-05DL	SV-12DL	Air	Toluene	19.60	D	1.88	3.77	18.8	ug/m3
Total Voc :				65.4					
Total Concentration:				65.4					
Client ID:	SV-15								
F2940-06	SV-15	Air	Dichlorodifluoromethane	3.46	J	1.98	4.94	24.7	ug/m3
F2940-06	SV-15	Air	Chloromethane	4.96	J	2.07	2.07	10.3	ug/m3
F2940-06	SV-15	Air	Trichlorofluoromethane	2.25	J	2.25	5.62	28.1	ug/m3
F2940-06	SV-15	Air	Heptane	9.02	J	4.1	4.1	20.5	ug/m3
F2940-06	SV-15	Air	Acetone	48.70	B	2.38	2.38	11.9	ug/m3
F2940-06	SV-15	Air	Carbon Disulfide	22.70		1.56	3.11	15.6	ug/m3
F2940-06	SV-15	Air	Methylene Chloride	5.21	JB	1.74	3.47	17.4	ug/m3
F2940-06	SV-15	Air	Cyclohexane	4.47	J	3.44	3.44	17.2	ug/m3
F2940-06	SV-15	Air	Chloroform	11.20	J	0.98	4.88	24.4	ug/m3
F2940-06	SV-15	Air	Benzene	7.03	J	1.28	3.19	16.0	ug/m3
F2940-06	SV-15	Air	Trichloroethene	178.00		0.81	1.61	1.61	ug/m3
F2940-06	SV-15	Air	Toluene	21.90		1.88	3.77	18.8	ug/m3
F2940-06	SV-15	Air	Tetrachloroethene	8,815.00	E	2.03	2.03	2.03	ug/m3
F2940-06	SV-15	Air	Ethyl Benzene	6.52	J	4.34	4.34	21.7	ug/m3
F2940-06	SV-15	Air	m/p-Xylene	21.30	J	4.34	8.69	43.4	ug/m3
F2940-06	SV-15	Air	o-Xylene	8.25	J	4.34	4.34	21.7	ug/m3
F2940-06	SV-15	Air	1,3,5-Trimethylbenzene	5.41	J	4.92	4.92	24.6	ug/m3
F2940-06	SV-15	Air	1,2,4-Trimethylbenzene	14.80	J	4.92	4.92	24.6	ug/m3
F2940-06	SV-15	Air	Naphthalene	5.24	J	2.1	5.24	26.2	ug/m3
F2940-06	SV-15	Air	Hexane	12.00	J	1.41	3.52	17.6	ug/m3
Total Voc :				9207.42					
Total Concentration:				9207.42					
Client ID:	SV-15DL								
F2940-06DL	SV-15DL	Air	Trichloroethene	118.00	D	16.1	32.2	32.2	ug/m3
F2940-06DL	SV-15DL	Air	Tetrachloroethene	15,596.00	D	40.7	40.7	40.7	ug/m3
Total Voc :				15714					
Total Concentration:				15714					
Client ID:	SV-16								
F2940-07	SV-16	Air	Dichlorodifluoromethane	2.52		0.2	0.49	2.47	ug/m3
F2940-07	SV-16	Air	Chloromethane	1.84		0.21	0.21	1.03	ug/m3
F2940-07	SV-16	Air	Bromomethane	0.47	J	0.12	0.39	1.94	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-07	SV-16	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F2940-07	SV-16	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F2940-07	SV-16	Air	Heptane	2.05		0.41	0.41	2.05	ug/m3
F2940-07	SV-16	Air	Acetone	114.00	EB	0.24	0.24	1.19	ug/m3
F2940-07	SV-16	Air	Carbon Disulfide	4.36		0.16	0.31	1.56	ug/m3
F2940-07	SV-16	Air	Methylene Chloride	6.95	B	0.17	0.35	1.74	ug/m3
F2940-07	SV-16	Air	Cyclohexane	1.14	J	0.34	0.34	1.72	ug/m3
F2940-07	SV-16	Air	2-Butanone	3.83		0.29	0.29	1.47	ug/m3
F2940-07	SV-16	Air	Carbon Tetrachloride	0.50		0.19	0.19	0.19	ug/m3
F2940-07	SV-16	Air	Chloroform	1.37	J	0.1	0.49	2.44	ug/m3
F2940-07	SV-16	Air	2,2,4-Trimethylpentane	4.25		0.19	0.47	2.34	ug/m3
F2940-07	SV-16	Air	Benzene	1.98		0.13	0.32	1.6	ug/m3
F2940-07	SV-16	Air	Toluene	12.10		0.19	0.38	1.88	ug/m3
F2940-07	SV-16	Air	Tetrachloroethene	3.32		0.2	0.2	0.2	ug/m3
F2940-07	SV-16	Air	Ethyl Benzene	3.26		0.43	0.43	2.17	ug/m3
F2940-07	SV-16	Air	m/p-Xylene	11.70		0.43	0.87	4.34	ug/m3
F2940-07	SV-16	Air	o-Xylene	5.65		0.43	0.43	2.17	ug/m3
F2940-07	SV-16	Air	1,3,5-Trimethylbenzene	4.13		0.49	0.49	2.46	ug/m3
F2940-07	SV-16	Air	1,2,4-Trimethylbenzene	15.20		0.49	0.49	2.46	ug/m3
F2940-07	SV-16	Air	Naphthalene	1.99	J	0.21	0.52	2.62	ug/m3
F2940-07	SV-16	Air	4-Ethyltoluene	4.87		0.49	0.49	2.46	ug/m3
F2940-07	SV-16	Air	Hexane	4.23		0.14	0.35	1.76	ug/m3
			Total Voc :	214.05					
			Total Concentration:	214.05					
Client ID:	SV-16DL								
F2940-07DL	SV-16DL	Air	Acetone	110.00	DB	2.38	2.38	11.9	ug/m3
F2940-07DL	SV-16DL	Air	2-Butanone	4.42	JD	2.95	2.95	14.8	ug/m3
F2940-07DL	SV-16DL	Air	Toluene	10.20	JD	1.88	3.77	18.8	ug/m3
F2940-07DL	SV-16DL	Air	m/p-Xylene	9.12	JD	4.34	8.69	43.4	ug/m3
F2940-07DL	SV-16DL	Air	o-Xylene	4.34	JD	4.34	4.34	21.7	ug/m3
F2940-07DL	SV-16DL	Air	1,2,4-Trimethylbenzene	13.80	JD	4.92	4.92	24.6	ug/m3
			Total Voc :	151.88					
			Total Concentration:	151.88					
Client ID:	SV-18								
F2940-08	SV-18	Air	Dichlorodifluoromethane	4.65		0.2	0.49	2.47	ug/m3
F2940-08	SV-18	Air	Chloromethane	1.01	J	0.21	0.21	1.03	ug/m3
F2940-08	SV-18	Air	Tetrahydrofuran	3.24		0.29	0.29	1.47	ug/m3
F2940-08	SV-18	Air	Trichlorofluoromethane	2.87		0.22	0.56	2.81	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-08	SV-18	Air	1,1,2-Trichlorotrifluoroethane	1.23	J	0.31	0.77	3.83	ug/m3
F2940-08	SV-18	Air	Heptane	22.50		0.41	0.41	2.05	ug/m3
F2940-08	SV-18	Air	Acetone	1,068.00	EB	0.24	0.24	1.19	ug/m3
F2940-08	SV-18	Air	Carbon Disulfide	52.90	E	0.16	0.31	1.56	ug/m3
F2940-08	SV-18	Air	Methylene Chloride	41.30	B	0.17	0.35	1.74	ug/m3
F2940-08	SV-18	Air	Cyclohexane	7.92		0.34	0.34	1.72	ug/m3
F2940-08	SV-18	Air	2-Butanone	27.10		0.29	0.29	1.47	ug/m3
F2940-08	SV-18	Air	Carbon Tetrachloride	0.57		0.19	0.19	0.19	ug/m3
F2940-08	SV-18	Air	Chloroform	488.00	E	0.1	0.49	2.44	ug/m3
F2940-08	SV-18	Air	2,2,4-Trimethylpentane	7.47		0.19	0.47	2.34	ug/m3
F2940-08	SV-18	Air	Benzene	9.58		0.13	0.32	1.6	ug/m3
F2940-08	SV-18	Air	Trichloroethene	0.86		0.11	0.16	0.16	ug/m3
F2940-08	SV-18	Air	Bromodichloromethane	18.10		0.33	0.67	3.35	ug/m3
F2940-08	SV-18	Air	4-Methyl-2-Pentanone	8.61		0.2	0.41	2.05	ug/m3
F2940-08	SV-18	Air	Toluene	98.00	E	0.19	0.38	1.88	ug/m3
F2940-08	SV-18	Air	Tetrachloroethene	46.80		0.2	0.2	0.2	ug/m3
F2940-08	SV-18	Air	Ethyl Benzene	46.00		0.43	0.43	2.17	ug/m3
F2940-08	SV-18	Air	m/p-Xylene	155.00	E	0.43	0.87	4.34	ug/m3
F2940-08	SV-18	Air	o-Xylene	63.80		0.43	0.43	2.17	ug/m3
F2940-08	SV-18	Air	Styrene	2.55		0.43	0.43	2.13	ug/m3
F2940-08	SV-18	Air	1,3,5-Trimethylbenzene	23.60		0.49	0.49	2.46	ug/m3
F2940-08	SV-18	Air	1,2,4-Trimethylbenzene	88.50	E	0.49	0.49	2.46	ug/m3
F2940-08	SV-18	Air	Naphthalene	16.80		0.21	0.52	2.62	ug/m3
F2940-08	SV-18	Air	4-Ethyltoluene	35.90		0.49	0.49	2.46	ug/m3
F2940-08	SV-18	Air	Hexane	27.80		0.14	0.35	1.76	ug/m3
Total Voc :				2370.66					
Total Concentration:				2370.66					
Client ID:	SV-18DL								
F2940-08DL	SV-18DL	Air	Heptane	14.80	JD	4.1	4.1	20.5	ug/m3
F2940-08DL	SV-18DL	Air	Acetone	1,377.00	EDB	2.38	2.38	11.9	ug/m3
F2940-08DL	SV-18DL	Air	Carbon Disulfide	29.30	D	1.56	3.11	15.6	ug/m3
F2940-08DL	SV-18DL	Air	Methylene Chloride	32.70	DB	1.74	3.47	17.4	ug/m3
F2940-08DL	SV-18DL	Air	2-Butanone	20.60	D	2.95	2.95	14.8	ug/m3
F2940-08DL	SV-18DL	Air	Chloroform	488.00	D	0.98	4.88	24.4	ug/m3
F2940-08DL	SV-18DL	Air	Benzene	7.35	JD	1.28	3.19	16.0	ug/m3
F2940-08DL	SV-18DL	Air	Bromodichloromethane	12.10	JD	3.35	6.7	33.5	ug/m3
F2940-08DL	SV-18DL	Air	Toluene	99.90	D	1.88	3.77	18.8	ug/m3
F2940-08DL	SV-18DL	Air	Tetrachloroethene	35.90	D	2.03	2.03	2.03	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-08DL	SV-18DL	Air	Ethyl Benzene	31.30	D	4.34	4.34	21.7	ug/m3
F2940-08DL	SV-18DL	Air	m/p-Xylene	117.00	D	4.34	8.69	43.4	ug/m3
F2940-08DL	SV-18DL	Air	o-Xylene	44.30	D	4.34	4.34	21.7	ug/m3
F2940-08DL	SV-18DL	Air	1,3,5-Trimethylbenzene	17.20	JD	4.92	4.92	24.6	ug/m3
F2940-08DL	SV-18DL	Air	1,2,4-Trimethylbenzene	65.40	D	4.92	4.92	24.6	ug/m3
F2940-08DL	SV-18DL	Air	Naphthalene	30.40	D	2.1	5.24	26.2	ug/m3
F2940-08DL	SV-18DL	Air	4-Ethyltoluene	24.60	D	4.92	4.92	24.6	ug/m3
F2940-08DL	SV-18DL	Air	Hexane	18.30	D	1.41	3.52	17.6	ug/m3
Total Voc :				2466.15					
Total Concentration:				2466.15					
Client ID:	SV-18DL2								
F2940-08DL2	SV-18DL2	Air	Acetone	1,330.00	DB	23.8	23.8	118	ug/m3
F2940-08DL2	SV-18DL2	Air	Chloroform	537.00	D	9.77	48.8	244	ug/m3
F2940-08DL2	SV-18DL2	Air	Toluene	71.60	JD	18.8	37.7	188	ug/m3
F2940-08DL2	SV-18DL2	Air	Tetrachloroethene	33.90	D	20.3	20.3	20.3	ug/m3
F2940-08DL2	SV-18DL2	Air	m/p-Xylene	73.80	JD	43.4	86.9	434	ug/m3
Total Voc :				2046.3					
Total Concentration:				2046.3					
Client ID:	SV-9								
F2940-09	SV-9	Air	Dichlorodifluoromethane	4.45		0.2	0.49	2.47	ug/m3
F2940-09	SV-9	Air	Chloromethane	21.90		0.21	0.21	1.03	ug/m3
F2940-09	SV-9	Air	Vinyl Chloride	6.90		0.08	0.08	0.08	ug/m3
F2940-09	SV-9	Air	Chloroethane	5.54		0.26	0.26	1.32	ug/m3
F2940-09	SV-9	Air	Trichlorofluoromethane	1.80	J	0.22	0.56	2.81	ug/m3
F2940-09	SV-9	Air	1,1,2-Trichlorotrifluoroethane	0.84	J	0.31	0.77	3.83	ug/m3
F2940-09	SV-9	Air	Heptane	11.10		0.41	0.41	2.05	ug/m3
F2940-09	SV-9	Air	Acetone	308.00	EB	0.24	0.24	1.19	ug/m3
F2940-09	SV-9	Air	Carbon Disulfide	29.00		0.16	0.31	1.56	ug/m3
F2940-09	SV-9	Air	Methyl tert-Butyl Ether	5.77		0.18	0.36	1.8	ug/m3
F2940-09	SV-9	Air	Methylene Chloride	3.47	B	0.17	0.35	1.74	ug/m3
F2940-09	SV-9	Air	Cyclohexane	3.13		0.34	0.34	1.72	ug/m3
F2940-09	SV-9	Air	2-Butanone	11.80		0.29	0.29	1.47	ug/m3
F2940-09	SV-9	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3
F2940-09	SV-9	Air	Chloroform	6.35		0.1	0.49	2.44	ug/m3
F2940-09	SV-9	Air	2,2,4-Trimethylpentane	2.85		0.19	0.47	2.34	ug/m3
F2940-09	SV-9	Air	Benzene	36.10		0.13	0.32	1.6	ug/m3
F2940-09	SV-9	Air	Toluene	37.30		0.19	0.38	1.88	ug/m3
F2940-09	SV-9	Air	Tetrachloroethene	47.50		0.2	0.2	0.2	ug/m3

Hit Summary Sheet

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SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-09	SV-9	Air	Ethyl Benzene	20.00		0.43	0.43	2.17	ug/m3
F2940-09	SV-9	Air	m/p-Xylene	55.60		0.43	0.87	4.34	ug/m3
F2940-09	SV-9	Air	o-Xylene	23.00		0.43	0.43	2.17	ug/m3
F2940-09	SV-9	Air	Styrene	8.52		0.43	0.43	2.13	ug/m3
F2940-09	SV-9	Air	1,3,5-Trimethylbenzene	12.30		0.49	0.49	2.46	ug/m3
F2940-09	SV-9	Air	1,2,4-Trimethylbenzene	50.10		0.49	0.49	2.46	ug/m3
F2940-09	SV-9	Air	Naphthalene	9.44		0.21	0.52	2.62	ug/m3
F2940-09	SV-9	Air	4-Ethyltoluene	17.70		0.49	0.49	2.46	ug/m3
F2940-09	SV-9	Air	Hexane	19.70		0.14	0.35	1.76	ug/m3
Total Voc :				760.54					
Total Concentration:				760.54					
Client ID:	SV-9DL								
F2940-09DL	SV-9DL	Air	Chloromethane	17.80	D	2.07	2.07	10.3	ug/m3
F2940-09DL	SV-9DL	Air	Vinyl Chloride	5.88	D	0.77	0.77	0.77	ug/m3
F2940-09DL	SV-9DL	Air	Chloroethane	5.01	JD	2.64	2.64	13.2	ug/m3
F2940-09DL	SV-9DL	Air	Heptane	9.43	JD	4.1	4.1	20.5	ug/m3
F2940-09DL	SV-9DL	Air	Acetone	308.00	DB	2.38	2.38	11.9	ug/m3
F2940-09DL	SV-9DL	Air	Carbon Disulfide	19.00	D	1.56	3.11	15.6	ug/m3
F2940-09DL	SV-9DL	Air	2-Butanone	10.30	JD	2.95	2.95	14.8	ug/m3
F2940-09DL	SV-9DL	Air	Benzene	32.90	D	1.28	3.19	16.0	ug/m3
F2940-09DL	SV-9DL	Air	Toluene	35.80	D	1.88	3.77	18.8	ug/m3
F2940-09DL	SV-9DL	Air	Tetrachloroethene	44.10	D	2.03	2.03	2.03	ug/m3
F2940-09DL	SV-9DL	Air	Ethyl Benzene	15.20	JD	4.34	4.34	21.7	ug/m3
F2940-09DL	SV-9DL	Air	m/p-Xylene	46.00	D	4.34	8.69	43.4	ug/m3
F2940-09DL	SV-9DL	Air	o-Xylene	18.20	JD	4.34	4.34	21.7	ug/m3
F2940-09DL	SV-9DL	Air	Styrene	6.39	JD	4.26	4.26	21.3	ug/m3
F2940-09DL	SV-9DL	Air	1,3,5-Trimethylbenzene	10.80	JD	4.92	4.92	24.6	ug/m3
F2940-09DL	SV-9DL	Air	1,2,4-Trimethylbenzene	43.80	D	4.92	4.92	24.6	ug/m3
F2940-09DL	SV-9DL	Air	Naphthalene	15.20	JD	2.1	5.24	26.2	ug/m3
F2940-09DL	SV-9DL	Air	4-Ethyltoluene	13.80	JD	4.92	4.92	24.6	ug/m3
F2940-09DL	SV-9DL	Air	Hexane	16.20	JD	1.41	3.52	17.6	ug/m3
Total Voc :				673.81					
Total Concentration:				673.81					
Client ID:	SV-14								
F2940-10	SV-14	Air	Dichlorodifluoromethane	2.52		0.2	0.49	2.47	ug/m3
F2940-10	SV-14	Air	Chloromethane	1.53		0.21	0.21	1.03	ug/m3
F2940-10	SV-14	Air	Vinyl Chloride	0.38		0.08	0.08	0.08	ug/m3
F2940-10	SV-14	Air	Trichlorofluoromethane	5.00		0.22	0.56	2.81	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-10	SV-14	Air	1,1,2-Trichlorotrifluoroethane	0.69	J	0.31	0.77	3.83	ug/m3
F2940-10	SV-14	Air	Heptane	12.70		0.41	0.41	2.05	ug/m3
F2940-10	SV-14	Air	Acetone	122.00	EB	0.24	0.24	1.19	ug/m3
F2940-10	SV-14	Air	Carbon Disulfide	0.56	J	0.16	0.31	1.56	ug/m3
F2940-10	SV-14	Air	Methyl tert-Butyl Ether	1.12	J	0.18	0.36	1.8	ug/m3
F2940-10	SV-14	Air	Methylene Chloride	590.00	EB	0.17	0.35	1.74	ug/m3
F2940-10	SV-14	Air	trans-1,2-Dichloroethene	0.99	J	0.2	0.4	1.98	ug/m3
F2940-10	SV-14	Air	Cyclohexane	191.00	E	0.34	0.34	1.72	ug/m3
F2940-10	SV-14	Air	2-Butanone	3.24		0.29	0.29	1.47	ug/m3
F2940-10	SV-14	Air	Carbon Tetrachloride	0.63		0.19	0.19	0.19	ug/m3
F2940-10	SV-14	Air	cis-1,2-Dichloroethene	8.72		0.2	0.4	1.98	ug/m3
F2940-10	SV-14	Air	Chloroform	15.10		0.1	0.49	2.44	ug/m3
F2940-10	SV-14	Air	2,2,4-Trimethylpentane	7.94		0.19	0.47	2.34	ug/m3
F2940-10	SV-14	Air	Benzene	2.91		0.13	0.32	1.6	ug/m3
F2940-10	SV-14	Air	Trichloroethene	2.79		0.11	0.16	0.16	ug/m3
F2940-10	SV-14	Air	Toluene	22.60		0.19	0.38	1.88	ug/m3
F2940-10	SV-14	Air	Tetrachloroethene	124.00	E	0.2	0.2	0.2	ug/m3
F2940-10	SV-14	Air	Ethyl Benzene	16.10		0.43	0.43	2.17	ug/m3
F2940-10	SV-14	Air	m/p-Xylene	59.50		0.43	0.87	4.34	ug/m3
F2940-10	SV-14	Air	o-Xylene	30.40		0.43	0.43	2.17	ug/m3
F2940-10	SV-14	Air	Styrene	1.87	J	0.43	0.43	2.13	ug/m3
F2940-10	SV-14	Air	1,3,5-Trimethylbenzene	69.80		0.49	0.49	2.46	ug/m3
F2940-10	SV-14	Air	1,2,4-Trimethylbenzene	185.00	E	0.49	0.49	2.46	ug/m3
F2940-10	SV-14	Air	1,4-Dichlorobenzene	10.80		0.6	0.6	3.01	ug/m3
F2940-10	SV-14	Air	Naphthalene	8.91		0.21	0.52	2.62	ug/m3
F2940-10	SV-14	Air	4-Ethyltoluene	82.10	E	0.49	0.49	2.46	ug/m3
F2940-10	SV-14	Air	Hexane	73.30	E	0.14	0.35	1.76	ug/m3
Total Voc :				1654.2					
Total Concentration:				1654.2					
Client ID:	SV-14DL								
F2940-10DL	SV-14DL	Air	Dichlorodifluoromethane	3.96	JD	1.98	4.94	24.7	ug/m3
F2940-10DL	SV-14DL	Air	Trichlorofluoromethane	4.50	JD	2.25	5.62	28.1	ug/m3
F2940-10DL	SV-14DL	Air	Heptane	10.20	JD	4.1	4.1	20.5	ug/m3
F2940-10DL	SV-14DL	Air	Acetone	128.00	DB	2.38	2.38	11.9	ug/m3
F2940-10DL	SV-14DL	Air	Methylene Chloride	764.00	EDB	1.74	3.47	17.4	ug/m3
F2940-10DL	SV-14DL	Air	Cyclohexane	271.00	D	3.44	3.44	17.2	ug/m3
F2940-10DL	SV-14DL	Air	2-Butanone	2.95	JD	2.95	2.95	14.8	ug/m3
F2940-10DL	SV-14DL	Air	cis-1,2-Dichloroethene	7.53	JD	1.98	3.96	19.8	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-10DL	SV-14DL	Air	Chloroform	14.20	JD	0.98	4.88	24.4	ug/m3
F2940-10DL	SV-14DL	Air	2,2,4-Trimethylpentane	7.01	JD	1.87	4.67	23.4	ug/m3
F2940-10DL	SV-14DL	Air	Benzene	2.56	JD	1.28	3.19	16.0	ug/m3
F2940-10DL	SV-14DL	Air	Trichloroethene	2.69	D	0.81	1.61	1.61	ug/m3
F2940-10DL	SV-14DL	Air	Toluene	20.00	D	1.88	3.77	18.8	ug/m3
F2940-10DL	SV-14DL	Air	Tetrachloroethene	143.00	D	2.03	2.03	2.03	ug/m3
F2940-10DL	SV-14DL	Air	Ethyl Benzene	14.30	JD	4.34	4.34	21.7	ug/m3
F2940-10DL	SV-14DL	Air	m/p-Xylene	61.70	D	4.34	8.69	43.4	ug/m3
F2940-10DL	SV-14DL	Air	o-Xylene	30.80	D	4.34	4.34	21.7	ug/m3
F2940-10DL	SV-14DL	Air	1,3,5-Trimethylbenzene	81.10	D	4.92	4.92	24.6	ug/m3
F2940-10DL	SV-14DL	Air	1,2,4-Trimethylbenzene	264.00	D	4.92	4.92	24.6	ug/m3
F2940-10DL	SV-14DL	Air	1,4-Dichlorobenzene	9.62	JD	6.01	6.01	30.1	ug/m3
F2940-10DL	SV-14DL	Air	Naphthalene	6.29	JD	2.1	5.24	26.2	ug/m3
F2940-10DL	SV-14DL	Air	4-Ethyltoluene	91.40	D	4.92	4.92	24.6	ug/m3
F2940-10DL	SV-14DL	Air	Hexane	73.70	D	1.41	3.52	17.6	ug/m3
Total Voc :				2014.51					
Total Concentration:				2014.51					
Client ID:	SV-14DL2								
F2940-10DL2	SV-14DL2	Air	Acetone	157.00	DB	9.5	9.5	47.5	ug/m3
F2940-10DL2	SV-14DL2	Air	Methylene Chloride	937.00	DB	6.95	13.9	69.5	ug/m3
F2940-10DL2	SV-14DL2	Air	Cyclohexane	305.00	D	13.8	13.8	68.8	ug/m3
F2940-10DL2	SV-14DL2	Air	Toluene	22.60	JD	7.54	15.1	75.4	ug/m3
F2940-10DL2	SV-14DL2	Air	Tetrachloroethene	157.00	D	8.14	8.14	8.14	ug/m3
F2940-10DL2	SV-14DL2	Air	Ethyl Benzene	17.40	JD	17.4	17.4	86.9	ug/m3
F2940-10DL2	SV-14DL2	Air	m/p-Xylene	71.20	JD	17.4	34.8	173	ug/m3
F2940-10DL2	SV-14DL2	Air	o-Xylene	34.80	JD	17.4	17.4	86.9	ug/m3
F2940-10DL2	SV-14DL2	Air	1,3,5-Trimethylbenzene	88.50	JD	19.7	19.7	98.3	ug/m3
F2940-10DL2	SV-14DL2	Air	1,2,4-Trimethylbenzene	308.00	D	19.7	19.7	98.3	ug/m3
F2940-10DL2	SV-14DL2	Air	4-Ethyltoluene	102.00	D	19.7	19.7	98.3	ug/m3
F2940-10DL2	SV-14DL2	Air	Hexane	87.40	D	5.64	14.1	70.5	ug/m3
Total Voc :				2287.9					
Total Concentration:				2287.9					

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.12	J	0.59		
Chloromethane	74-87-3	50.49	0.42	J	0.87		
Vinyl Chloride	75-01-4	62.5	0.07		0.18		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.26	J	0.69		
Tetrahydrofuran	109-99-9	72.11	1.3		3.83		
Trichlorofluoromethane	75-69-4	137.4	0.25	J	1.4		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	U	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	4.9		20.1		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	230	E	546		
Carbon Disulfide	75-15-0	76.14	8.5		26.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	4.2		14.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	1.6		5.51		
2-Butanone	78-93-3	72.11	5.5		16.2		
Carbon Tetrachloride	56-23-5	153.8	0.11		0.69		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	1		4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.11		0.6		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	1.1		3.51		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.04		0.21		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	7.1		26.8		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	4.1		27.8		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	3.5		15.2		
m/p-Xylene	179601-2	106.2	14.2		61.7		
o-Xylene	95-47-6	106.2	9.4		40.8		

Styrene	100-42-5	104.1	0.29	J	1.23		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	17.7	E	87		
1,2,4-Trimethylbenzene	95-63-6	120.2	43	E	211		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	5.7		29.9		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	17.9	E	88		
Hexane	110-54-3	86.17	10.4		36.6		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	4.3	JD	17.6		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	280	ED	665		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	5.1	D	17.7		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	4.9	JD	14.4		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	6.8	D	25.6		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	3.8	D	25.8		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3	JD	13		
m/p-Xylene	179601-2	106.2	13	D	56.5		
o-Xylene	95-47-6	106.2	8.3	D	36		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	17.5	D	86		
1,2,4-Trimethylbenzene	95-63-6	120.2	52.7	D	259		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	3.7	JD	19.4		
4-Ethyltoluene	622-96-8	120.2	18.4	D	90.5		
Hexane	110-54-3	86.17	9.4	D	33.1		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	260	D	617		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	4	UD	13.9		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	4	UD	13.8		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	4	UD	15.9		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	4	UD	12.8		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanol	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	4.8	JD	18.1		
trans-1,3-Dichloropropene	10061-02-1	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-1	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		
Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	3.6	D	24.4		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	4	UD	17.4		
m/p-Xylene	179601-2	106.2	8.4	JD	36.5		
o-Xylene	95-47-6	106.2	5.2	JD	22.6		

Styrene	100-42-5	104.1	4	UD	17		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1.2	UD	8.24		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	10.8	JD	53.1		
1,2,4-Trimethylbenzene	95-63-6	120.2	38	D	186		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
Naphthalene	91-20-3	128.17	2.4	JD	12.6		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
4-Ethyltoluene	622-96-8	120.2	12	JD	59		
Hexane	110-54-3	86.17	7.6	JD	26.8		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	4	UD	14.4		
Methyl Methacrylate	80-62-6	100.12	4	UD	16.4		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.25	J	1.24		
Chloromethane	74-87-3	50.49	0.51		1.05		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.08	J	0.61		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	1.5		4.55		
Heptane	142-82-5	100.2	1.2		4.92		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	88	E	209		
Carbon Disulfide	75-15-0	76.14	3.3		10.3		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.5		1.8		
Methylene Chloride	75-09-2	84.94	2.7		9.38		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	1.9		6.54		
2-Butanone	78-93-3	72.11	2.3		6.78		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.23	J	1.12		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	2.8		13.1		
Benzene	71-43-2	78.11	1.4		4.47		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.04		0.21		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.4	J	1.64		
Toluene	108-88-3	92.14	7.2		27.1		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	3.1		21		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	5.3		23		
m/p-Xylene	179601-2	106.2	12.4		53.9		
o-Xylene	95-47-6	106.2	4.5		19.6		

Styrene	100-42-5	104.1	0.27	J	1.15		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.9		9.34		
1,2,4-Trimethylbenzene	95-63-6	120.2	8.3		40.8		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	6.1		32		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	2.8		13.8		
Hexane	110-54-3	86.17	2.6		9.16		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1.6	JD	4.85		
Heptane	142-82-5	100.2	1.1	JD	4.51		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	110	D	261		
Carbon Disulfide	75-15-0	76.14	2.9	JD	9.03		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1.9	JD	6.54		
2-Butanone	78-93-3	72.11	2	JD	5.9		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	2.6	JD	12.1		
Benzene	71-43-2	78.11	1.4	JD	4.47		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	7.5	D	28.3		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	3.1	D	21		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	5.1	D	22.2		
m/p-Xylene	179601-2	106.2	12.9	D	56		
o-Xylene	95-47-6	106.2	4.8	JD	20.8		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	2.2	JD	10.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	9.5	D	46.7		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	4	JD	21		
4-Ethyltoluene	622-96-8	120.2	2.8	JD	13.8		
Hexane	110-54-3	86.17	2.5	JD	8.81		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.78		3.86		
Chloromethane	74-87-3	50.49	0.46	J	0.95		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.91		5.11		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.11	J	0.84		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	4.6		18.8		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	140	E	332		
Carbon Disulfide	75-15-0	76.14	0.1	U	0.31		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	0.42	J	1.46		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	16.2	E	55.8		
2-Butanone	78-93-3	72.11	3.1		9.14		
Carbon Tetrachloride	56-23-5	153.8	0.03	U	0.19		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	39.8	E	185		
Benzene	71-43-2	78.11	7		22.4		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	6.2		23.4		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	27	E	183		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	24.3	E	105		
m/p-Xylene	179601-2	106.2	42.5	E	184		
o-Xylene	95-47-6	106.2	17.1	E	74.3		

Styrene	100-42-5	104.1	0.31	J	1.32		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.9		19.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	14.9		73.2		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	1.9		9.96		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	5.2		25.6		
Hexane	110-54-3	86.17	14.5		51.1		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	160	ED	380		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	14.3	D	49.2		
2-Butanone	78-93-3	72.11	2.5	JD	7.37		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	61.1	D	285		
Benzene	71-43-2	78.11	6	D	19.2		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	7.4	D	27.9		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	33.7	D	228		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	25	D	108		
m/p-Xylene	179601-2	106.2	47.1	D	204		
o-Xylene	95-47-6	106.2	16.2	D	70.4		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.4	JD	16.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	14.4	D	70.8		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	3.6	JD	18.9		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	4.5	JD	22.1		
Hexane	110-54-3	86.17	12.2	D	43		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	160	D	380		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	4	UD	13.9		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	13.6	JD	46.8		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	4	UD	15.9		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	73.2	D	341		
Benzene	71-43-2	78.11	6.4	JD	20.4		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanol	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	7.6	JD	28.6		
trans-1,3-Dichloropropene	10061-02-1	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-1	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		
Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	35.2	D	238		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	21.6	D	93.8		
m/p-Xylene	179601-2	106.2	41.2	D	178		
o-Xylene	95-47-6	106.2	13.2	JD	57.3		

Styrene	100-42-5	104.1	4	UD	17		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1.2	UD	8.24		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	4	UD	19.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	10.4	JD	51.1		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
Naphthalene	91-20-3	128.17	4	UD	21		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
4-Ethyltoluene	622-96-8	120.2	4	UD	19.7		
Hexane	110-54-3	86.17	11.2	JD	39.5		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	4	UD	14.4		
Methyl Methacrylate	80-62-6	100.12	4	UD	16.4		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.7		3.46		
Chloromethane	74-87-3	50.49	0.86		1.78		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	0.25	J	1.02		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	19.1	E	45.4		
Carbon Disulfide	75-15-0	76.14	0.1	U	0.31		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	0.29	J	1.01		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.12	J	0.41		
2-Butanone	78-93-3	72.11	2		5.9		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.21	J	0.98		
Benzene	71-43-2	78.11	0.18	J	0.58		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	5.9		22.2		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.05		0.34		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	0.11	J	0.48		
m/p-Xylene	179601-2	106.2	0.36	J	1.56		
o-Xylene	95-47-6	106.2	0.15	J	0.65		

Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.1	U	0.49		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.16	J	0.79		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.1	U	0.49		
Hexane	110-54-3	86.17	0.1	U	0.35		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	19.3	D	45.8		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1	UD	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	5.2	D	19.6		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	1	UD	4.34		
m/p-Xylene	179601-2	106.2	2	UD	8.69		
o-Xylene	95-47-6	106.2	1	UD	4.34		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	1	UD	4.92		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	1	UD	5.24		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	1	UD	4.92		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.7	J	3.46		
Chloromethane	74-87-3	50.49	2.4	J	4.96		
Vinyl Chloride	75-01-4	62.5	0.3	U	0.77		
Bromomethane	74-83-9	94.94	1	U	3.88		
Chloroethane	75-00-3	64.52	1	U	2.64		
Tetrahydrofuran	109-99-9	72.11	1	U	2.95		
Trichlorofluoromethane	75-69-4	137.4	0.4	J	2.25		
Dichlorotetrafluoroethane	76-14-2	170.9	1	U	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	U	7.66		
Bromoethene	593-60-2	106.9	1	U	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	U	3.03		
Heptane	142-82-5	100.2	2.2	J	9.02		
1,1-Dichloroethene	75-35-4	96.94	1	U	3.96		
Acetone	67-64-1	58.08	20.5		48.7		
Carbon Disulfide	75-15-0	76.14	7.3		22.7		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	U	3.61		
Methylene Chloride	75-09-2	84.94	1.5	J	5.21		
trans-1,2-Dichloroethene	156-60-5	96.94	1	U	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	U	4.05		
Cyclohexane	110-82-7	84.16	1.3	J	4.47		
2-Butanone	78-93-3	72.11	1	U	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	U	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	U	3.96		
Chloroform	67-66-3	119.4	2.3	J	11.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	U	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	U	4.67		
Benzene	71-43-2	78.11	2.2	J	7.03		
1,2-Dichloroethane	107-06-2	98.96	1	U	4.05		
Trichloroethene	79-01-6	131.4	33.2		178		
1,2-Dichloropropane	78-87-5	113	1	U	4.62		
Bromodichloromethane	75-27-4	163.8	1	U	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	U	4.1		
Toluene	108-88-3	92.14	5.8		21.9		
trans-1,3-Dichloropropene	10061-02-1	111	1	U	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	U	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	U	5.46		
Dibromochloromethane	124-48-1	208.3	1	U	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	U	7.69		
Tetrachloroethene	127-18-4	165.8	1300	E	8815		
Chlorobenzene	108-90-7	112.6	1	U	4.61		
Ethyl Benzene	100-41-4	106.2	1.5	J	6.52		
m/p-Xylene	179601-2	106.2	4.9	J	21.3		
o-Xylene	95-47-6	106.2	1.9	J	8.25		

Styrene	100-42-5	104.1	1	U	4.26		
Bromoform	75-25-2	252.8	1	U	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	U	2.06		
2-Chlorotoluene	95-49-8	126.6	1	U	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.1	J	5.41		
1,2,4-Trimethylbenzene	95-63-6	120.2	3	J	14.8		
1,3-Dichlorobenzene	541-73-1	147	1	U	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	U	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	U	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	U	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	U	10.7		
Naphthalene	91-20-3	128.17	1	J	5.24		
1,3-Butadiene	106-99-0	54.09	1	U	2.21		
4-Ethyltoluene	622-96-8	120.2	1	U	4.92		
Hexane	110-54-3	86.17	3.4	J	12		
Allyl Chloride	107-05-1	76.53	1	U	3.13		
1,4-Dioxane	123-91-1	88.12	1	U	3.6		
Methyl Methacrylate	80-62-6	100.12	1	U	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	20	UD	98.9		
Chloromethane	74-87-3	50.49	20	UD	41.3		
Vinyl Chloride	75-01-4	62.5	6	UD	15.3		
Bromomethane	74-83-9	94.94	20	UD	77.7		
Chloroethane	75-00-3	64.52	20	UD	52.8		
Tetrahydrofuran	109-99-9	72.11	20	UD	59		
Trichlorofluoromethane	75-69-4	137.4	20	UD	112		
Dichlorotetrafluoroethane	76-14-2	170.9	20	UD	139		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	20	UD	153		
Bromoethene	593-60-2	106.9	20	UD	87.4		
tert-Butyl alcohol	75-65-0	74.12	20	UD	60.6		
Heptane	142-82-5	100.2	20	UD	82		
1,1-Dichloroethene	75-35-4	96.94	20	UD	79.3		
Acetone	67-64-1	58.08	20	UD	47.5		
Carbon Disulfide	75-15-0	76.14	20	UD	62.3		
Methyl tert-Butyl Ether	1634-04-1	88.15	20	UD	72.1		
Methylene Chloride	75-09-2	84.94	20	UD	69.5		
trans-1,2-Dichloroethene	156-60-5	96.94	20	UD	79.3		
1,1-Dichloroethane	75-34-3	98.96	20	UD	81		
Cyclohexane	110-82-7	84.16	20	UD	68.8		
2-Butanone	78-93-3	72.11	20	UD	59		
Carbon Tetrachloride	56-23-5	153.8	6	UD	37.7		
cis-1,2-Dichloroethene	156-59-2	96.94	20	UD	79.3		
Chloroform	67-66-3	119.4	20	UD	97.7		
1,1,1-Trichloroethane	71-55-6	133.4	6	UD	32.7		
2,2,4-Trimethylpentane	540-84-1	114.2	20	UD	93.4		
Benzene	71-43-2	78.11	20	UD	63.9		
1,2-Dichloroethane	107-06-2	98.96	20	UD	81		
Trichloroethene	79-01-6	131.4	22	D	118		
1,2-Dichloropropane	78-87-5	113	20	UD	92.4		
Bromodichloromethane	75-27-4	163.8	20	UD	133		
4-Methyl-2-Pentanol	108-10-1	100.2	20	UD	82		
Toluene	108-88-3	92.14	20	UD	75.4		
trans-1,3-Dichloropropene	10061-02-1	111	20	UD	90.8		
cis-1,3-Dichloropropene	10061-01-1	111	20	UD	90.8		
1,1,2-Trichloroethane	79-00-5	133.4	20	UD	109		
Dibromochloromethane	124-48-1	208.3	20	UD	170		
1,2-Dibromoethane	106-93-4	187.9	20	UD	153		
Tetrachloroethene	127-18-4	165.8	2300	D	15596		
Chlorobenzene	108-90-7	112.6	20	UD	92.1		
Ethyl Benzene	100-41-4	106.2	20	UD	86.9		
m/p-Xylene	179601-2	106.2	40	UD	173		
o-Xylene	95-47-6	106.2	20	UD	86.9		

Styrene	100-42-5	104.1	20	UD	85.2		
Bromoform	75-25-2	252.8	20	UD	206		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	6	UD	41.2		
2-Chlorotoluene	95-49-8	126.6	20	UD	103		
1,3,5-Trimethylbenzene	108-67-8	120.2	20	UD	98.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	20	UD	98.3		
1,3-Dichlorobenzene	541-73-1	147	20	UD	120		
1,4-Dichlorobenzene	106-46-7	147	20	UD	120		
1,2-Dichlorobenzene	95-50-1	147	20	UD	120		
1,2,4-Trichlorobenzene	120-82-1	181.5	20	UD	148		
Hexachloro-1,3-Butadiene	87-68-3	260.8	20	UD	213		
Naphthalene	91-20-3	128.17	20	UD	104		
1,3-Butadiene	106-99-0	54.09	20	UD	44.2		
4-Ethyltoluene	622-96-8	120.2	20	UD	98.3		
Hexane	110-54-3	86.17	20	UD	70.5		
Allyl Chloride	107-05-1	76.53	20	UD	62.6		
1,4-Dioxane	123-91-1	88.12	20	UD	72.1		
Methyl Methacrylate	80-62-6	100.12	20	UD	81.9		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.51		2.52		
Chloromethane	74-87-3	50.49	0.89		1.84		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.12	J	0.47		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	0.5		2.05		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	48.2	E	114		
Carbon Disulfide	75-15-0	76.14	1.4		4.36		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	2		6.95		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.33	J	1.14		
2-Butanone	78-93-3	72.11	1.3		3.83		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.28	J	1.37		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.91		4.25		
Benzene	71-43-2	78.11	0.62		1.98		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	3.2		12.1		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.49		3.32		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	0.75		3.26		
m/p-Xylene	179601-2	106.2	2.7		11.7		
o-Xylene	95-47-6	106.2	1.3		5.65		

Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.84		4.13		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.1		15.2		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.38	J	1.99		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.99		4.87		
Hexane	110-54-3	86.17	1.2		4.23		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	46.4	D	110		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1.5	JD	4.42		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	2.7	JD	10.2		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	1	UD	4.34		
m/p-Xylene	179601-2	106.2	2.1	JD	9.12		
o-Xylene	95-47-6	106.2	1	JD	4.34		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	2.8	JD	13.8		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	1	UD	5.24		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	1	UD	4.92		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.94		4.65		
Chloromethane	74-87-3	50.49	0.49	J	1.01		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	1.1		3.24		
Trichlorofluoromethane	75-69-4	137.4	0.51		2.87		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	J	1.23		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	5.5		22.5		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	450	E	1068		
Carbon Disulfide	75-15-0	76.14	17	E	52.9		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	11.9		41.3		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	2.3		7.92		
2-Butanone	78-93-3	72.11	9.2		27.1		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	100	E	488		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	1.6		7.47		
Benzene	71-43-2	78.11	3		9.58		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.16		0.86		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	2.7		18.1		
4-Methyl-2-Pentanol	108-10-1	100.2	2.1		8.61		
Toluene	108-88-3	92.14	26	E	98		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	6.9		46.8		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	10.6		46		
m/p-Xylene	179601-2	106.2	35.7	E	155		
o-Xylene	95-47-6	106.2	14.7		63.8		

Styrene	100-42-5	104.1	0.6		2.55		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.8		23.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	18	E	88.5		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	3.2		16.8		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	7.3		35.9		
Hexane	110-54-3	86.17	7.9		27.8		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	3.6	JD	14.8		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	580	ED	1377		
Carbon Disulfide	75-15-0	76.14	9.4	D	29.3		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	9.4	D	32.7		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	7	D	20.6		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	100	D	488		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	2.3	JD	7.35		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1.8	JD	12.1		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	26.5	D	99.9		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	5.3	D	35.9		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	7.2	D	31.3		
m/p-Xylene	179601-2	106.2	27.1	D	117		
o-Xylene	95-47-6	106.2	10.2	D	44.3		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.5	JD	17.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	13.3	D	65.4		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	5.8	D	30.4		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	5	D	24.6		
Hexane	110-54-3	86.17	5.2	D	18.3		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	10	UD	49.4		
Chloromethane	74-87-3	50.49	10	UD	20.6		
Vinyl Chloride	75-01-4	62.5	3	UD	7.67		
Bromomethane	74-83-9	94.94	10	UD	38.8		
Chloroethane	75-00-3	64.52	10	UD	26.4		
Tetrahydrofuran	109-99-9	72.11	10	UD	29.5		
Trichlorofluoromethane	75-69-4	137.4	10	UD	56.2		
Dichlorotetrafluoroethane	76-14-2	170.9	10	UD	69.9		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	10	UD	76.6		
Bromoethene	593-60-2	106.9	10	UD	43.7		
tert-Butyl alcohol	75-65-0	74.12	10	UD	30.3		
Heptane	142-82-5	100.2	10	UD	41		
1,1-Dichloroethene	75-35-4	96.94	10	UD	39.6		
Acetone	67-64-1	58.08	560	D	1330		
Carbon Disulfide	75-15-0	76.14	10	UD	31.1		
Methyl tert-Butyl Ether	1634-04-1	88.15	10	UD	36		
Methylene Chloride	75-09-2	84.94	10	UD	34.7		
trans-1,2-Dichloroethene	156-60-5	96.94	10	UD	39.6		
1,1-Dichloroethane	75-34-3	98.96	10	UD	40.5		
Cyclohexane	110-82-7	84.16	10	UD	34.4		
2-Butanone	78-93-3	72.11	10	UD	29.5		
Carbon Tetrachloride	56-23-5	153.8	3	UD	18.9		
cis-1,2-Dichloroethene	156-59-2	96.94	10	UD	39.6		
Chloroform	67-66-3	119.4	110	D	537		
1,1,1-Trichloroethane	71-55-6	133.4	3	UD	16.4		
2,2,4-Trimethylpentane	540-84-1	114.2	10	UD	46.7		
Benzene	71-43-2	78.11	10	UD	32		
1,2-Dichloroethane	107-06-2	98.96	10	UD	40.5		
Trichloroethene	79-01-6	131.4	3	UD	16.1		
1,2-Dichloropropane	78-87-5	113	10	UD	46.2		
Bromodichloromethane	75-27-4	163.8	10	UD	67		
4-Methyl-2-Pentanol	108-10-1	100.2	10	UD	41		
Toluene	108-88-3	92.14	19	JD	71.6		
trans-1,3-Dichloropropene	10061-02-1	111	10	UD	45.4		
cis-1,3-Dichloropropene	10061-01-1	111	10	UD	45.4		
1,1,2-Trichloroethane	79-00-5	133.4	10	UD	54.6		
Dibromochloromethane	124-48-1	208.3	10	UD	85.2		
1,2-Dibromoethane	106-93-4	187.9	10	UD	76.8		
Tetrachloroethene	127-18-4	165.8	5	D	33.9		
Chlorobenzene	108-90-7	112.6	10	UD	46		
Ethyl Benzene	100-41-4	106.2	10	UD	43.4		
m/p-Xylene	179601-2	106.2	17	JD	73.8		
o-Xylene	95-47-6	106.2	10	UD	43.4		

Styrene	100-42-5	104.1	10	UD	42.6		
Bromoform	75-25-2	252.8	10	UD	103		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	3	UD	20.6		
2-Chlorotoluene	95-49-8	126.6	10	UD	51.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	10	UD	49.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	10	UD	49.2		
1,3-Dichlorobenzene	541-73-1	147	10	UD	60.1		
1,4-Dichlorobenzene	106-46-7	147	10	UD	60.1		
1,2-Dichlorobenzene	95-50-1	147	10	UD	60.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	10	UD	74.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	10	UD	106		
Naphthalene	91-20-3	128.17	10	UD	52.4		
1,3-Butadiene	106-99-0	54.09	10	UD	22.1		
4-Ethyltoluene	622-96-8	120.2	10	UD	49.2		
Hexane	110-54-3	86.17	10	UD	35.2		
Allyl Chloride	107-05-1	76.53	10	UD	31.3		
1,4-Dioxane	123-91-1	88.12	10	UD	36		
Methyl Methacrylate	80-62-6	100.12	10	UD	41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.9		4.45		
Chloromethane	74-87-3	50.49	10.6		21.9		
Vinyl Chloride	75-01-4	62.5	2.7		6.9		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	2.1		5.54		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.11	J	0.84		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	2.7		11.1		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	130	E	308		
Carbon Disulfide	75-15-0	76.14	9.3		29		
Methyl tert-Butyl Ether	1634-04-1	88.15	1.6		5.77		
Methylene Chloride	75-09-2	84.94	1		3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.91		3.13		
2-Butanone	78-93-3	72.11	4		11.8		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	1.3		6.35		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.61		2.85		
Benzene	71-43-2	78.11	11.3		36.1		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	9.9		37.3		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	7		47.5		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	4.6		20		
m/p-Xylene	179601-2	106.2	12.8		55.6		
o-Xylene	95-47-6	106.2	5.3		23		

Styrene	100-42-5	104.1	2		8.52		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	2.5		12.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	10.2		50.1		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
Naphthalene	91-20-3	128.17	1.8		9.44		
4-Ethyltoluene	622-96-8	120.2	3.6		17.7		
Hexane	110-54-3	86.17	5.6		19.7		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	8.6	D	17.8		
Vinyl Chloride	75-01-4	62.5	2.3	D	5.88		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1.9	JD	5.01		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	2.3	JD	9.43		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	130	D	308		
Carbon Disulfide	75-15-0	76.14	6.1	D	19		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	3.5	JD	10.3		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	10.3	D	32.9		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	9.5	D	35.8		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	6.5	D	44.1		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3.5	JD	15.2		
m/p-Xylene	179601-2	106.2	10.6	D	46		
o-Xylene	95-47-6	106.2	4.2	JD	18.2		

Styrene	100-42-5	104.1	1.5	JD	6.39		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	2.2	JD	10.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	8.9	D	43.8		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	2.9	JD	15.2		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	2.8	JD	13.8		
Hexane	110-54-3	86.17	4.6	JD	16.2		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.51		2.52		
Chloromethane	74-87-3	50.49	0.74		1.53		
Vinyl Chloride	75-01-4	62.5	0.15		0.38		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.89		5		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.09	J	0.69		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	3.1		12.7		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	51.6	E	122		
Carbon Disulfide	75-15-0	76.14	0.18	J	0.56		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.31	J	1.12		
Methylene Chloride	75-09-2	84.94	170	E	590		
trans-1,2-Dichloroethene	156-60-5	96.94	0.25	J	0.99		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	55.5	E	191		
2-Butanone	78-93-3	72.11	1.1		3.24		
Carbon Tetrachloride	56-23-5	153.8	0.1		0.63		
cis-1,2-Dichloroethene	156-59-2	96.94	2.2		8.72		
Chloroform	67-66-3	119.4	3.1		15.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	1.7		7.94		
Benzene	71-43-2	78.11	0.91		2.91		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.52		2.79		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	6		22.6		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	18.4	E	124		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	3.7		16.1		
m/p-Xylene	179601-2	106.2	13.7		59.5		
o-Xylene	95-47-6	106.2	7		30.4		

Styrene	100-42-5	104.1	0.44	J	1.87		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	14.2		69.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	37.8	E	185		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	1.8		10.8		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	1.7		8.91		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	16.7	E	82.1		
Hexane	110-54-3	86.17	20.8	E	73.3		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.8	JD	3.96		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	0.8	JD	4.5		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	2.5	JD	10.2		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	54.1	D	128		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	220	ED	764		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	79	D	271		
2-Butanone	78-93-3	72.11	1	JD	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1.9	JD	7.53		
Chloroform	67-66-3	119.4	2.9	JD	14.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1.5	JD	7.01		
Benzene	71-43-2	78.11	0.8	JD	2.56		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.5	D	2.69		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	5.3	D	20		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	21.1	D	143		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3.3	JD	14.3		
m/p-Xylene	179601-2	106.2	14.2	D	61.7		
o-Xylene	95-47-6	106.2	7.1	D	30.8		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	16.5	D	81.1		
1,2,4-Trimethylbenzene	95-63-6	120.2	53.7	D	264		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1.6	JD	9.62		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	1.2	JD	6.29		
4-Ethyltoluene	622-96-8	120.2	18.6	D	91.4		
Hexane	110-54-3	86.17	20.9	D	73.7		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	66.4	D	157		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	270	D	937		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	88.8	D	305		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	4	UD	15.9		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	4	UD	12.8		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanol	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	6	JD	22.6		
trans-1,3-Dichloropropene	10061-02-1	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-1	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		
Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	23.2	D	157		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	4	JD	17.4		
m/p-Xylene	179601-2	106.2	16.4	JD	71.2		
o-Xylene	95-47-6	106.2	8	JD	34.8		

Styrene	100-42-5	104.1	4	UD	17		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1.2	UD	8.24		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	18	JD	88.5		
1,2,4-Trimethylbenzene	95-63-6	120.2	62.8	D	308		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
Naphthalene	91-20-3	128.17	4	UD	21		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
4-Ethyltoluene	622-96-8	120.2	20.8	D	102		
Hexane	110-54-3	86.17	24.8	D	87.4		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	4	UD	14.4		
Methyl Methacrylate	80-62-6	100.12	4	UD	16.4		

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX TO-15

DVIRKA & BARTILUCCI

330 Crossways Park Drive

Woodbury, NY - 11797

Phone No: 516-364-9890

ORDER ID : F2940

ATTENTION : MARIA WRIGHT



DoD ELAP

Hit Summary Sheet SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	SV-17								
F2940-01	SV-17	Air	Dichlorodifluoromethane	0.59	J	0.2	0.49	2.47	ug/m3
F2940-01	SV-17	Air	Chloromethane	0.87	J	0.21	0.21	1.03	ug/m3
F2940-01	SV-17	Air	Vinyl Chloride	0.18		0.08	0.08	0.08	ug/m3
F2940-01	SV-17	Air	Chloroethane	0.69	J	0.26	0.26	1.32	ug/m3
F2940-01	SV-17	Air	Tetrahydrofuran	3.83		0.29	0.29	1.47	ug/m3
F2940-01	SV-17	Air	Trichlorofluoromethane	1.40	J	0.22	0.56	2.81	ug/m3
F2940-01	SV-17	Air	Heptane	20.10		0.41	0.41	2.05	ug/m3
F2940-01	SV-17	Air	Acetone	546.00	EB	0.24	0.24	1.19	ug/m3
F2940-01	SV-17	Air	Carbon Disulfide	26.50		0.16	0.31	1.56	ug/m3
F2940-01	SV-17	Air	Methylene Chloride	14.60	B	0.17	0.35	1.74	ug/m3
F2940-01	SV-17	Air	Cyclohexane	5.51		0.34	0.34	1.72	ug/m3
F2940-01	SV-17	Air	2-Butanone	16.20		0.29	0.29	1.47	ug/m3
F2940-01	SV-17	Air	Carbon Tetrachloride	0.69		0.19	0.19	0.19	ug/m3
F2940-01	SV-17	Air	Chloroform	4.88		0.1	0.49	2.44	ug/m3
F2940-01	SV-17	Air	1,1,1-Trichloroethane	0.60		0.16	0.16	0.16	ug/m3
F2940-01	SV-17	Air	Benzene	3.51		0.13	0.32	1.6	ug/m3
F2940-01	SV-17	Air	Trichloroethene	0.21		0.11	0.16	0.16	ug/m3
F2940-01	SV-17	Air	Toluene	26.80		0.19	0.38	1.88	ug/m3
F2940-01	SV-17	Air	Tetrachloroethene	27.80		0.2	0.2	0.2	ug/m3
F2940-01	SV-17	Air	Ethyl Benzene	15.20		0.43	0.43	2.17	ug/m3
F2940-01	SV-17	Air	m/p-Xylene	61.70		0.43	0.87	4.34	ug/m3
F2940-01	SV-17	Air	o-Xylene	40.80		0.43	0.43	2.17	ug/m3
F2940-01	SV-17	Air	Styrene	1.23	J	0.43	0.43	2.13	ug/m3
F2940-01	SV-17	Air	1,3,5-Trimethylbenzene	87.00	E	0.49	0.49	2.46	ug/m3
F2940-01	SV-17	Air	1,2,4-Trimethylbenzene	211.00	E	0.49	0.49	2.46	ug/m3
F2940-01	SV-17	Air	Naphthalene	29.90		0.21	0.52	2.62	ug/m3
F2940-01	SV-17	Air	4-Ethyltoluene	88.00	E	0.49	0.49	2.46	ug/m3
F2940-01	SV-17	Air	Hexane	36.60		0.14	0.35	1.76	ug/m3
Total Voc :				1272.39					
Total Concentration:				1272.39					
Client ID:	SV-17DL								
F2940-01DL	SV-17DL	Air	Heptane	17.60	JD	4.1	4.1	20.5	ug/m3
F2940-01DL	SV-17DL	Air	Acetone	665.00	EDB	2.38	2.38	11.9	ug/m3
F2940-01DL	SV-17DL	Air	Methylene Chloride	17.70	DB	1.74	3.47	17.4	ug/m3
F2940-01DL	SV-17DL	Air	2-Butanone	14.40	JD	2.95	2.95	14.8	ug/m3
F2940-01DL	SV-17DL	Air	Toluene	25.60	D	1.88	3.77	18.8	ug/m3
F2940-01DL	SV-17DL	Air	Tetrachloroethene	25.80	D	2.03	2.03	2.03	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-01DL	SV-17DL	Air	Ethyl Benzene	13.00	JD	4.34	4.34	21.7	ug/m3
F2940-01DL	SV-17DL	Air	m/p-Xylene	56.50	D	4.34	8.69	43.4	ug/m3
F2940-01DL	SV-17DL	Air	o-Xylene	36.00	D	4.34	4.34	21.7	ug/m3
F2940-01DL	SV-17DL	Air	1,3,5-Trimethylbenzene	86.00	D	4.92	4.92	24.6	ug/m3
F2940-01DL	SV-17DL	Air	1,2,4-Trimethylbenzene	259.00	D	4.92	4.92	24.6	ug/m3
F2940-01DL	SV-17DL	Air	Naphthalene	19.40	JD	2.1	5.24	26.2	ug/m3
F2940-01DL	SV-17DL	Air	4-Ethyltoluene	90.50	D	4.92	4.92	24.6	ug/m3
F2940-01DL	SV-17DL	Air	Hexane	33.10	D	1.41	3.52	17.6	ug/m3
Total Voc :				1359.6					
Total Concentration:				1359.6					
Client ID:	SV-17DL2								
F2940-01DL2	SV-17DL2	Air	Acetone	617.00	DB	9.5	9.5	47.5	ug/m3
F2940-01DL2	SV-17DL2	Air	Toluene	18.10	JD	7.54	15.1	75.4	ug/m3
F2940-01DL2	SV-17DL2	Air	Tetrachloroethene	24.40	D	8.14	8.14	8.14	ug/m3
F2940-01DL2	SV-17DL2	Air	m/p-Xylene	36.50	JD	17.4	34.8	173	ug/m3
F2940-01DL2	SV-17DL2	Air	o-Xylene	22.60	JD	17.4	17.4	86.9	ug/m3
F2940-01DL2	SV-17DL2	Air	1,3,5-Trimethylbenzene	53.10	JD	19.7	19.7	98.3	ug/m3
F2940-01DL2	SV-17DL2	Air	1,2,4-Trimethylbenzene	186.00	D	19.7	19.7	98.3	ug/m3
F2940-01DL2	SV-17DL2	Air	Naphthalene	12.60	JD	8.39	21.0	104	ug/m3
F2940-01DL2	SV-17DL2	Air	4-Ethyltoluene	59.00	JD	19.7	19.7	98.3	ug/m3
F2940-01DL2	SV-17DL2	Air	Hexane	26.80	JD	5.64	14.1	70.5	ug/m3
Total Voc :				1056.1					
Total Concentration:				1056.1					
Client ID:	SV-7								
F2940-02	SV-7	Air	Dichlorodifluoromethane	1.24	J	0.2	0.49	2.47	ug/m3
F2940-02	SV-7	Air	Chloromethane	1.05		0.21	0.21	1.03	ug/m3
F2940-02	SV-7	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F2940-02	SV-7	Air	1,1,2-Trichlorotrifluoroethane	0.61	J	0.31	0.77	3.83	ug/m3
F2940-02	SV-7	Air	tert-Butyl alcohol	4.55		0.3	0.3	1.52	ug/m3
F2940-02	SV-7	Air	Heptane	4.92		0.41	0.41	2.05	ug/m3
F2940-02	SV-7	Air	Acetone	209.00	EB	0.24	0.24	1.19	ug/m3
F2940-02	SV-7	Air	Carbon Disulfide	10.30		0.16	0.31	1.56	ug/m3
F2940-02	SV-7	Air	Methyl tert-Butyl Ether	1.80		0.18	0.36	1.8	ug/m3
F2940-02	SV-7	Air	Methylene Chloride	9.38	B	0.17	0.35	1.74	ug/m3
F2940-02	SV-7	Air	Cyclohexane	6.54		0.34	0.34	1.72	ug/m3
F2940-02	SV-7	Air	2-Butanone	6.78		0.29	0.29	1.47	ug/m3
F2940-02	SV-7	Air	Carbon Tetrachloride	0.44		0.19	0.19	0.19	ug/m3
F2940-02	SV-7	Air	Chloroform	1.12	J	0.1	0.49	2.44	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-02	SV-7	Air	2,2,4-Trimethylpentane	13.10		0.19	0.47	2.34	ug/m3
F2940-02	SV-7	Air	Benzene	4.47		0.13	0.32	1.6	ug/m3
F2940-02	SV-7	Air	Trichloroethene	0.21		0.11	0.16	0.16	ug/m3
F2940-02	SV-7	Air	4-Methyl-2-Pentanone	1.64	J	0.2	0.41	2.05	ug/m3
F2940-02	SV-7	Air	Toluene	27.10		0.19	0.38	1.88	ug/m3
F2940-02	SV-7	Air	Tetrachloroethene	21.00		0.2	0.2	0.2	ug/m3
F2940-02	SV-7	Air	Ethyl Benzene	23.00		0.43	0.43	2.17	ug/m3
F2940-02	SV-7	Air	m/p-Xylene	53.90		0.43	0.87	4.34	ug/m3
F2940-02	SV-7	Air	o-Xylene	19.60		0.43	0.43	2.17	ug/m3
F2940-02	SV-7	Air	Styrene	1.15	J	0.43	0.43	2.13	ug/m3
F2940-02	SV-7	Air	1,3,5-Trimethylbenzene	9.34		0.49	0.49	2.46	ug/m3
F2940-02	SV-7	Air	1,2,4-Trimethylbenzene	40.80		0.49	0.49	2.46	ug/m3
F2940-02	SV-7	Air	Naphthalene	32.00		0.21	0.52	2.62	ug/m3
F2940-02	SV-7	Air	4-Ethyltoluene	13.80		0.49	0.49	2.46	ug/m3
F2940-02	SV-7	Air	Hexane	9.16		0.14	0.35	1.76	ug/m3
Total Voc :				529.57					
Total Concentration:				529.57					
Client ID:	SV-7DL								
F2940-02DL	SV-7DL	Air	tert-Butyl alcohol	4.85	JDQ	3.03	3.03	15.2	ug/m3
F2940-02DL	SV-7DL	Air	Heptane	4.51	JD	4.1	4.1	20.5	ug/m3
F2940-02DL	SV-7DL	Air	Acetone	261.00	DB	2.38	2.38	11.9	ug/m3
F2940-02DL	SV-7DL	Air	Carbon Disulfide	9.03	JD	1.56	3.11	15.6	ug/m3
F2940-02DL	SV-7DL	Air	Cyclohexane	6.54	JD	3.44	3.44	17.2	ug/m3
F2940-02DL	SV-7DL	Air	2-Butanone	5.90	JD	2.95	2.95	14.8	ug/m3
F2940-02DL	SV-7DL	Air	2,2,4-Trimethylpentane	12.10	JD	1.87	4.67	23.4	ug/m3
F2940-02DL	SV-7DL	Air	Benzene	4.47	JD	1.28	3.19	16.0	ug/m3
F2940-02DL	SV-7DL	Air	Toluene	28.30	D	1.88	3.77	18.8	ug/m3
F2940-02DL	SV-7DL	Air	Tetrachloroethene	21.00	D	2.03	2.03	2.03	ug/m3
F2940-02DL	SV-7DL	Air	Ethyl Benzene	22.20	D	4.34	4.34	21.7	ug/m3
F2940-02DL	SV-7DL	Air	m/p-Xylene	56.00	D	4.34	8.69	43.4	ug/m3
F2940-02DL	SV-7DL	Air	o-Xylene	20.80	JD	4.34	4.34	21.7	ug/m3
F2940-02DL	SV-7DL	Air	1,3,5-Trimethylbenzene	10.80	JD	4.92	4.92	24.6	ug/m3
F2940-02DL	SV-7DL	Air	1,2,4-Trimethylbenzene	46.70	D	4.92	4.92	24.6	ug/m3
F2940-02DL	SV-7DL	Air	Naphthalene	21.00	JD	2.1	5.24	26.2	ug/m3
F2940-02DL	SV-7DL	Air	4-Ethyltoluene	13.80	JD	4.92	4.92	24.6	ug/m3
F2940-02DL	SV-7DL	Air	Hexane	8.81	JD	1.41	3.52	17.6	ug/m3
Total Voc :				557.81					
Total Concentration:				557.81					

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	SV-6								
F2940-04	SV-6	Air	Dichlorodifluoromethane	3.86		0.2	0.49	2.47	ug/m3
F2940-04	SV-6	Air	Chloromethane	0.95	J	0.21	0.21	1.03	ug/m3
F2940-04	SV-6	Air	Trichlorofluoromethane	5.11		0.22	0.56	2.81	ug/m3
F2940-04	SV-6	Air	1,1,2-Trichlorotrifluoroethane	0.84	J	0.31	0.77	3.83	ug/m3
F2940-04	SV-6	Air	Heptane	18.80		0.41	0.41	2.05	ug/m3
F2940-04	SV-6	Air	Acetone	332.00	EB	0.24	0.24	1.19	ug/m3
F2940-04	SV-6	Air	Methylene Chloride	1.46	JB	0.17	0.35	1.74	ug/m3
F2940-04	SV-6	Air	Cyclohexane	55.80	E	0.34	0.34	1.72	ug/m3
F2940-04	SV-6	Air	2-Butanone	9.14		0.29	0.29	1.47	ug/m3
F2940-04	SV-6	Air	2,2,4-Trimethylpentane	185.00	E	0.19	0.47	2.34	ug/m3
F2940-04	SV-6	Air	Benzene	22.40		0.13	0.32	1.6	ug/m3
F2940-04	SV-6	Air	Toluene	23.40		0.19	0.38	1.88	ug/m3
F2940-04	SV-6	Air	Tetrachloroethene	183.00	E	0.2	0.2	0.2	ug/m3
F2940-04	SV-6	Air	Ethyl Benzene	105.00	E	0.43	0.43	2.17	ug/m3
F2940-04	SV-6	Air	m/p-Xylene	184.00	E	0.43	0.87	4.34	ug/m3
F2940-04	SV-6	Air	o-Xylene	74.30	E	0.43	0.43	2.17	ug/m3
F2940-04	SV-6	Air	Styrene	1.32	J	0.43	0.43	2.13	ug/m3
F2940-04	SV-6	Air	1,3,5-Trimethylbenzene	19.20		0.49	0.49	2.46	ug/m3
F2940-04	SV-6	Air	1,2,4-Trimethylbenzene	73.20		0.49	0.49	2.46	ug/m3
F2940-04	SV-6	Air	Naphthalene	9.96		0.21	0.52	2.62	ug/m3
F2940-04	SV-6	Air	4-Ethyltoluene	25.60		0.49	0.49	2.46	ug/m3
F2940-04	SV-6	Air	Hexane	51.10		0.14	0.35	1.76	ug/m3
Total Voc :				1385.44					
Total Concentration:				1385.44					
Client ID:	SV-6DL								
F2940-04DL	SV-6DL	Air	Acetone	380.00	EDB	2.38	2.38	11.9	ug/m3
F2940-04DL	SV-6DL	Air	Cyclohexane	49.20	D	3.44	3.44	17.2	ug/m3
F2940-04DL	SV-6DL	Air	2-Butanone	7.37	JD	2.95	2.95	14.8	ug/m3
F2940-04DL	SV-6DL	Air	2,2,4-Trimethylpentane	285.00	D	1.87	4.67	23.4	ug/m3
F2940-04DL	SV-6DL	Air	Benzene	19.20	D	1.28	3.19	16.0	ug/m3
F2940-04DL	SV-6DL	Air	Toluene	27.90	D	1.88	3.77	18.8	ug/m3
F2940-04DL	SV-6DL	Air	Tetrachloroethene	228.00	D	2.03	2.03	2.03	ug/m3
F2940-04DL	SV-6DL	Air	Ethyl Benzene	108.00	D	4.34	4.34	21.7	ug/m3
F2940-04DL	SV-6DL	Air	m/p-Xylene	204.00	D	4.34	8.69	43.4	ug/m3
F2940-04DL	SV-6DL	Air	o-Xylene	70.40	D	4.34	4.34	21.7	ug/m3
F2940-04DL	SV-6DL	Air	1,3,5-Trimethylbenzene	16.70	JD	4.92	4.92	24.6	ug/m3
F2940-04DL	SV-6DL	Air	1,2,4-Trimethylbenzene	70.80	D	4.92	4.92	24.6	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-04DL	SV-6DL	Air	Naphthalene	18.90	JD	2.1	5.24	26.2	ug/m3
F2940-04DL	SV-6DL	Air	4-Ethyltoluene	22.10	JD	4.92	4.92	24.6	ug/m3
F2940-04DL	SV-6DL	Air	Hexane	43.00	D	1.41	3.52	17.6	ug/m3
Total Voc :				1550.57					
Total Concentration:				1550.57					
Client ID:	SV-6DL2								
F2940-04DL2	SV-6DL2	Air	Acetone	380.00	DB	9.5	9.5	47.5	ug/m3
F2940-04DL2	SV-6DL2	Air	Cyclohexane	46.80	JD	13.8	13.8	68.8	ug/m3
F2940-04DL2	SV-6DL2	Air	2,2,4-Trimethylpentane	341.00	D	7.47	18.7	93.4	ug/m3
F2940-04DL2	SV-6DL2	Air	Benzene	20.40	JD	5.11	12.8	63.9	ug/m3
F2940-04DL2	SV-6DL2	Air	Toluene	28.60	JD	7.54	15.1	75.4	ug/m3
F2940-04DL2	SV-6DL2	Air	Tetrachloroethene	238.00	D	8.14	8.14	8.14	ug/m3
F2940-04DL2	SV-6DL2	Air	Ethyl Benzene	93.80	D	17.4	17.4	86.9	ug/m3
F2940-04DL2	SV-6DL2	Air	m/p-Xylene	178.00	D	17.4	34.8	173	ug/m3
F2940-04DL2	SV-6DL2	Air	o-Xylene	57.30	JD	17.4	17.4	86.9	ug/m3
F2940-04DL2	SV-6DL2	Air	1,2,4-Trimethylbenzene	51.10	JD	19.7	19.7	98.3	ug/m3
F2940-04DL2	SV-6DL2	Air	Hexane	39.50	JD	5.64	14.1	70.5	ug/m3
Total Voc :				1474.5					
Total Concentration:				1474.5					
Client ID:	SV-12								
F2940-05	SV-12	Air	Dichlorodifluoromethane	3.46		0.2	0.49	2.47	ug/m3
F2940-05	SV-12	Air	Chloromethane	1.78		0.21	0.21	1.03	ug/m3
F2940-05	SV-12	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F2940-05	SV-12	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F2940-05	SV-12	Air	Heptane	1.02	J	0.41	0.41	2.05	ug/m3
F2940-05	SV-12	Air	Acetone	45.40	EB	0.24	0.24	1.19	ug/m3
F2940-05	SV-12	Air	Methylene Chloride	1.01	JB	0.17	0.35	1.74	ug/m3
F2940-05	SV-12	Air	Cyclohexane	0.41	J	0.34	0.34	1.72	ug/m3
F2940-05	SV-12	Air	2-Butanone	5.90		0.29	0.29	1.47	ug/m3
F2940-05	SV-12	Air	Carbon Tetrachloride	0.44		0.19	0.19	0.19	ug/m3
F2940-05	SV-12	Air	2,2,4-Trimethylpentane	0.98	J	0.19	0.47	2.34	ug/m3
F2940-05	SV-12	Air	Benzene	0.58	J	0.13	0.32	1.6	ug/m3
F2940-05	SV-12	Air	Toluene	22.20		0.19	0.38	1.88	ug/m3
F2940-05	SV-12	Air	Tetrachloroethene	0.34		0.2	0.2	0.2	ug/m3
F2940-05	SV-12	Air	Ethyl Benzene	0.48	J	0.43	0.43	2.17	ug/m3
F2940-05	SV-12	Air	m/p-Xylene	1.56	J	0.43	0.87	4.34	ug/m3
F2940-05	SV-12	Air	o-Xylene	0.65	J	0.43	0.43	2.17	ug/m3
F2940-05	SV-12	Air	1,2,4-Trimethylbenzene	0.79	J	0.49	0.49	2.46	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				89.34					
Total Concentration:				89.34					
Client ID: SV-12DL	SV-12DL	Air	Acetone	45.80	DB	2.38	2.38	11.9	ug/m3
F2940-05DL	SV-12DL	Air	Toluene	19.60	D	1.88	3.77	18.8	ug/m3
Total Voc :				65.4					
Total Concentration:				65.4					
Client ID: SV-15	SV-15	Air	Dichlorodifluoromethane	3.46	J	1.98	4.94	24.7	ug/m3
F2940-06	SV-15	Air	Chloromethane	4.96	J	2.07	2.07	10.3	ug/m3
F2940-06	SV-15	Air	Trichlorofluoromethane	2.25	J	2.25	5.62	28.1	ug/m3
F2940-06	SV-15	Air	Heptane	9.02	J	4.1	4.1	20.5	ug/m3
F2940-06	SV-15	Air	Acetone	48.70	B	2.38	2.38	11.9	ug/m3
F2940-06	SV-15	Air	Carbon Disulfide	22.70		1.56	3.11	15.6	ug/m3
F2940-06	SV-15	Air	Methylene Chloride	5.21	JB	1.74	3.47	17.4	ug/m3
F2940-06	SV-15	Air	Cyclohexane	4.47	J	3.44	3.44	17.2	ug/m3
F2940-06	SV-15	Air	Chloroform	11.20	J	0.98	4.88	24.4	ug/m3
F2940-06	SV-15	Air	Benzene	7.03	J	1.28	3.19	16.0	ug/m3
F2940-06	SV-15	Air	Trichloroethene	178.00		0.81	1.61	1.61	ug/m3
F2940-06	SV-15	Air	Toluene	21.90		1.88	3.77	18.8	ug/m3
F2940-06	SV-15	Air	Tetrachloroethene	8,815.00	E	2.03	2.03	2.03	ug/m3
F2940-06	SV-15	Air	Ethyl Benzene	6.52	J	4.34	4.34	21.7	ug/m3
F2940-06	SV-15	Air	m/p-Xylene	21.30	J	4.34	8.69	43.4	ug/m3
F2940-06	SV-15	Air	o-Xylene	8.25	J	4.34	4.34	21.7	ug/m3
F2940-06	SV-15	Air	1,3,5-Trimethylbenzene	5.41	J	4.92	4.92	24.6	ug/m3
F2940-06	SV-15	Air	1,2,4-Trimethylbenzene	14.80	J	4.92	4.92	24.6	ug/m3
F2940-06	SV-15	Air	Naphthalene	5.24	J	2.1	5.24	26.2	ug/m3
F2940-06	SV-15	Air	Hexane	12.00	J	1.41	3.52	17.6	ug/m3
Total Voc :				9207.42					
Total Concentration:				9207.42					
Client ID: SV-15DL	SV-15DL	Air	Trichloroethene	118.00	D	16.1	32.2	32.2	ug/m3
F2940-06DL	SV-15DL	Air	Tetrachloroethene	15,596.00	D	40.7	40.7	40.7	ug/m3
Total Voc :				15714					
Total Concentration:				15714					
Client ID: SV-16	SV-16	Air	Dichlorodifluoromethane	2.52		0.2	0.49	2.47	ug/m3
F2940-07	SV-16	Air	Chloromethane	1.84		0.21	0.21	1.03	ug/m3
F2940-07	SV-16	Air	Bromomethane	0.47	J	0.12	0.39	1.94	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-07	SV-16	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F2940-07	SV-16	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F2940-07	SV-16	Air	Heptane	2.05		0.41	0.41	2.05	ug/m3
F2940-07	SV-16	Air	Acetone	114.00	EB	0.24	0.24	1.19	ug/m3
F2940-07	SV-16	Air	Carbon Disulfide	4.36		0.16	0.31	1.56	ug/m3
F2940-07	SV-16	Air	Methylene Chloride	6.95	B	0.17	0.35	1.74	ug/m3
F2940-07	SV-16	Air	Cyclohexane	1.14	J	0.34	0.34	1.72	ug/m3
F2940-07	SV-16	Air	2-Butanone	3.83		0.29	0.29	1.47	ug/m3
F2940-07	SV-16	Air	Carbon Tetrachloride	0.50		0.19	0.19	0.19	ug/m3
F2940-07	SV-16	Air	Chloroform	1.37	J	0.1	0.49	2.44	ug/m3
F2940-07	SV-16	Air	2,2,4-Trimethylpentane	4.25		0.19	0.47	2.34	ug/m3
F2940-07	SV-16	Air	Benzene	1.98		0.13	0.32	1.6	ug/m3
F2940-07	SV-16	Air	Toluene	12.10		0.19	0.38	1.88	ug/m3
F2940-07	SV-16	Air	Tetrachloroethene	3.32		0.2	0.2	0.2	ug/m3
F2940-07	SV-16	Air	Ethyl Benzene	3.26		0.43	0.43	2.17	ug/m3
F2940-07	SV-16	Air	m/p-Xylene	11.70		0.43	0.87	4.34	ug/m3
F2940-07	SV-16	Air	o-Xylene	5.65		0.43	0.43	2.17	ug/m3
F2940-07	SV-16	Air	1,3,5-Trimethylbenzene	4.13		0.49	0.49	2.46	ug/m3
F2940-07	SV-16	Air	1,2,4-Trimethylbenzene	15.20		0.49	0.49	2.46	ug/m3
F2940-07	SV-16	Air	Naphthalene	1.99	J	0.21	0.52	2.62	ug/m3
F2940-07	SV-16	Air	4-Ethyltoluene	4.87		0.49	0.49	2.46	ug/m3
F2940-07	SV-16	Air	Hexane	4.23		0.14	0.35	1.76	ug/m3
Total Voc :				214.05					
Total Concentration:				214.05					
Client ID:	SV-16DL								
F2940-07DL	SV-16DL	Air	Acetone	110.00	DB	2.38	2.38	11.9	ug/m3
F2940-07DL	SV-16DL	Air	2-Butanone	4.42	JD	2.95	2.95	14.8	ug/m3
F2940-07DL	SV-16DL	Air	Toluene	10.20	JD	1.88	3.77	18.8	ug/m3
F2940-07DL	SV-16DL	Air	m/p-Xylene	9.12	JD	4.34	8.69	43.4	ug/m3
F2940-07DL	SV-16DL	Air	o-Xylene	4.34	JD	4.34	4.34	21.7	ug/m3
F2940-07DL	SV-16DL	Air	1,2,4-Trimethylbenzene	13.80	JD	4.92	4.92	24.6	ug/m3
Total Voc :				151.88					
Total Concentration:				151.88					
Client ID:	SV-18								
F2940-08	SV-18	Air	Dichlorodifluoromethane	4.65		0.2	0.49	2.47	ug/m3
F2940-08	SV-18	Air	Chloromethane	1.01	J	0.21	0.21	1.03	ug/m3
F2940-08	SV-18	Air	Tetrahydrofuran	3.24		0.29	0.29	1.47	ug/m3
F2940-08	SV-18	Air	Trichlorofluoromethane	2.87		0.22	0.56	2.81	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-08	SV-18	Air	1,1,2-Trichlorotrifluoroethane	1.23	J	0.31	0.77	3.83	ug/m3
F2940-08	SV-18	Air	Heptane	22.50		0.41	0.41	2.05	ug/m3
F2940-08	SV-18	Air	Acetone	1,068.00	EB	0.24	0.24	1.19	ug/m3
F2940-08	SV-18	Air	Carbon Disulfide	52.90	E	0.16	0.31	1.56	ug/m3
F2940-08	SV-18	Air	Methylene Chloride	41.30	B	0.17	0.35	1.74	ug/m3
F2940-08	SV-18	Air	Cyclohexane	7.92		0.34	0.34	1.72	ug/m3
F2940-08	SV-18	Air	2-Butanone	27.10		0.29	0.29	1.47	ug/m3
F2940-08	SV-18	Air	Carbon Tetrachloride	0.57		0.19	0.19	0.19	ug/m3
F2940-08	SV-18	Air	Chloroform	488.00	E	0.1	0.49	2.44	ug/m3
F2940-08	SV-18	Air	2,2,4-Trimethylpentane	7.47		0.19	0.47	2.34	ug/m3
F2940-08	SV-18	Air	Benzene	9.58		0.13	0.32	1.6	ug/m3
F2940-08	SV-18	Air	Trichloroethene	0.86		0.11	0.16	0.16	ug/m3
F2940-08	SV-18	Air	Bromodichloromethane	18.10		0.33	0.67	3.35	ug/m3
F2940-08	SV-18	Air	4-Methyl-2-Pentanone	8.61		0.2	0.41	2.05	ug/m3
F2940-08	SV-18	Air	Toluene	98.00	E	0.19	0.38	1.88	ug/m3
F2940-08	SV-18	Air	Tetrachloroethene	46.80		0.2	0.2	0.2	ug/m3
F2940-08	SV-18	Air	Ethyl Benzene	46.00		0.43	0.43	2.17	ug/m3
F2940-08	SV-18	Air	m/p-Xylene	155.00	E	0.43	0.87	4.34	ug/m3
F2940-08	SV-18	Air	o-Xylene	63.80		0.43	0.43	2.17	ug/m3
F2940-08	SV-18	Air	Styrene	2.55		0.43	0.43	2.13	ug/m3
F2940-08	SV-18	Air	1,3,5-Trimethylbenzene	23.60		0.49	0.49	2.46	ug/m3
F2940-08	SV-18	Air	1,2,4-Trimethylbenzene	88.50	E	0.49	0.49	2.46	ug/m3
F2940-08	SV-18	Air	Naphthalene	16.80		0.21	0.52	2.62	ug/m3
F2940-08	SV-18	Air	4-Ethyltoluene	35.90		0.49	0.49	2.46	ug/m3
F2940-08	SV-18	Air	Hexane	27.80		0.14	0.35	1.76	ug/m3
Total Voc :				2370.66					
Total Concentration:				2370.66					
Client ID:	SV-18DL								
F2940-08DL	SV-18DL	Air	Heptane	14.80	JD	4.1	4.1	20.5	ug/m3
F2940-08DL	SV-18DL	Air	Acetone	1,377.00	EDB	2.38	2.38	11.9	ug/m3
F2940-08DL	SV-18DL	Air	Carbon Disulfide	29.30	D	1.56	3.11	15.6	ug/m3
F2940-08DL	SV-18DL	Air	Methylene Chloride	32.70	DB	1.74	3.47	17.4	ug/m3
F2940-08DL	SV-18DL	Air	2-Butanone	20.60	D	2.95	2.95	14.8	ug/m3
F2940-08DL	SV-18DL	Air	Chloroform	488.00	D	0.98	4.88	24.4	ug/m3
F2940-08DL	SV-18DL	Air	Benzene	7.35	JD	1.28	3.19	16.0	ug/m3
F2940-08DL	SV-18DL	Air	Bromodichloromethane	12.10	JD	3.35	6.7	33.5	ug/m3
F2940-08DL	SV-18DL	Air	Toluene	99.90	D	1.88	3.77	18.8	ug/m3
F2940-08DL	SV-18DL	Air	Tetrachloroethene	35.90	D	2.03	2.03	2.03	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-08DL	SV-18DL	Air	Ethyl Benzene	31.30	D	4.34	4.34	21.7	ug/m3
F2940-08DL	SV-18DL	Air	m/p-Xylene	117.00	D	4.34	8.69	43.4	ug/m3
F2940-08DL	SV-18DL	Air	o-Xylene	44.30	D	4.34	4.34	21.7	ug/m3
F2940-08DL	SV-18DL	Air	1,3,5-Trimethylbenzene	17.20	JD	4.92	4.92	24.6	ug/m3
F2940-08DL	SV-18DL	Air	1,2,4-Trimethylbenzene	65.40	D	4.92	4.92	24.6	ug/m3
F2940-08DL	SV-18DL	Air	Naphthalene	30.40	D	2.1	5.24	26.2	ug/m3
F2940-08DL	SV-18DL	Air	4-Ethyltoluene	24.60	D	4.92	4.92	24.6	ug/m3
F2940-08DL	SV-18DL	Air	Hexane	18.30	D	1.41	3.52	17.6	ug/m3
Total Voc :				2466.15					
Total Concentration:				2466.15					
Client ID:	SV-18DL2								
F2940-08DL2	SV-18DL2	Air	Acetone	1,330.00	DB	23.8	23.8	118	ug/m3
F2940-08DL2	SV-18DL2	Air	Chloroform	537.00	D	9.77	48.8	244	ug/m3
F2940-08DL2	SV-18DL2	Air	Toluene	71.60	JD	18.8	37.7	188	ug/m3
F2940-08DL2	SV-18DL2	Air	Tetrachloroethene	33.90	D	20.3	20.3	20.3	ug/m3
F2940-08DL2	SV-18DL2	Air	m/p-Xylene	73.80	JD	43.4	86.9	434	ug/m3
Total Voc :				2046.3					
Total Concentration:				2046.3					
Client ID:	SV-9								
F2940-09	SV-9	Air	Dichlorodifluoromethane	4.45		0.2	0.49	2.47	ug/m3
F2940-09	SV-9	Air	Chloromethane	21.90		0.21	0.21	1.03	ug/m3
F2940-09	SV-9	Air	Vinyl Chloride	6.90		0.08	0.08	0.08	ug/m3
F2940-09	SV-9	Air	Chloroethane	5.54		0.26	0.26	1.32	ug/m3
F2940-09	SV-9	Air	Trichlorofluoromethane	1.80	J	0.22	0.56	2.81	ug/m3
F2940-09	SV-9	Air	1,1,2-Trichlorotrifluoroethane	0.84	J	0.31	0.77	3.83	ug/m3
F2940-09	SV-9	Air	Heptane	11.10		0.41	0.41	2.05	ug/m3
F2940-09	SV-9	Air	Acetone	308.00	EB	0.24	0.24	1.19	ug/m3
F2940-09	SV-9	Air	Carbon Disulfide	29.00		0.16	0.31	1.56	ug/m3
F2940-09	SV-9	Air	Methyl tert-Butyl Ether	5.77		0.18	0.36	1.8	ug/m3
F2940-09	SV-9	Air	Methylene Chloride	3.47	B	0.17	0.35	1.74	ug/m3
F2940-09	SV-9	Air	Cyclohexane	3.13		0.34	0.34	1.72	ug/m3
F2940-09	SV-9	Air	2-Butanone	11.80		0.29	0.29	1.47	ug/m3
F2940-09	SV-9	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3
F2940-09	SV-9	Air	Chloroform	6.35		0.1	0.49	2.44	ug/m3
F2940-09	SV-9	Air	2,2,4-Trimethylpentane	2.85		0.19	0.47	2.34	ug/m3
F2940-09	SV-9	Air	Benzene	36.10		0.13	0.32	1.6	ug/m3
F2940-09	SV-9	Air	Toluene	37.30		0.19	0.38	1.88	ug/m3
F2940-09	SV-9	Air	Tetrachloroethene	47.50		0.2	0.2	0.2	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-09	SV-9	Air	Ethyl Benzene	20.00		0.43	0.43	2.17	ug/m3
F2940-09	SV-9	Air	m/p-Xylene	55.60		0.43	0.87	4.34	ug/m3
F2940-09	SV-9	Air	o-Xylene	23.00		0.43	0.43	2.17	ug/m3
F2940-09	SV-9	Air	Styrene	8.52		0.43	0.43	2.13	ug/m3
F2940-09	SV-9	Air	1,3,5-Trimethylbenzene	12.30		0.49	0.49	2.46	ug/m3
F2940-09	SV-9	Air	1,2,4-Trimethylbenzene	50.10		0.49	0.49	2.46	ug/m3
F2940-09	SV-9	Air	Naphthalene	9.44		0.21	0.52	2.62	ug/m3
F2940-09	SV-9	Air	4-Ethyltoluene	17.70		0.49	0.49	2.46	ug/m3
F2940-09	SV-9	Air	Hexane	19.70		0.14	0.35	1.76	ug/m3
Total Voc :				760.54					
Total Concentration:				760.54					
Client ID:	SV-9DL								
F2940-09DL	SV-9DL	Air	Chloromethane	17.80	D	2.07	2.07	10.3	ug/m3
F2940-09DL	SV-9DL	Air	Vinyl Chloride	5.88	D	0.77	0.77	0.77	ug/m3
F2940-09DL	SV-9DL	Air	Chloroethane	5.01	JD	2.64	2.64	13.2	ug/m3
F2940-09DL	SV-9DL	Air	Heptane	9.43	JD	4.1	4.1	20.5	ug/m3
F2940-09DL	SV-9DL	Air	Acetone	308.00	DB	2.38	2.38	11.9	ug/m3
F2940-09DL	SV-9DL	Air	Carbon Disulfide	19.00	D	1.56	3.11	15.6	ug/m3
F2940-09DL	SV-9DL	Air	2-Butanone	10.30	JD	2.95	2.95	14.8	ug/m3
F2940-09DL	SV-9DL	Air	Benzene	32.90	D	1.28	3.19	16.0	ug/m3
F2940-09DL	SV-9DL	Air	Toluene	35.80	D	1.88	3.77	18.8	ug/m3
F2940-09DL	SV-9DL	Air	Tetrachloroethene	44.10	D	2.03	2.03	2.03	ug/m3
F2940-09DL	SV-9DL	Air	Ethyl Benzene	15.20	JD	4.34	4.34	21.7	ug/m3
F2940-09DL	SV-9DL	Air	m/p-Xylene	46.00	D	4.34	8.69	43.4	ug/m3
F2940-09DL	SV-9DL	Air	o-Xylene	18.20	JD	4.34	4.34	21.7	ug/m3
F2940-09DL	SV-9DL	Air	Styrene	6.39	JD	4.26	4.26	21.3	ug/m3
F2940-09DL	SV-9DL	Air	1,3,5-Trimethylbenzene	10.80	JD	4.92	4.92	24.6	ug/m3
F2940-09DL	SV-9DL	Air	1,2,4-Trimethylbenzene	43.80	D	4.92	4.92	24.6	ug/m3
F2940-09DL	SV-9DL	Air	Naphthalene	15.20	JD	2.1	5.24	26.2	ug/m3
F2940-09DL	SV-9DL	Air	4-Ethyltoluene	13.80	JD	4.92	4.92	24.6	ug/m3
F2940-09DL	SV-9DL	Air	Hexane	16.20	JD	1.41	3.52	17.6	ug/m3
Total Voc :				673.81					
Total Concentration:				673.81					
Client ID:	SV-14								
F2940-10	SV-14	Air	Dichlorodifluoromethane	2.52		0.2	0.49	2.47	ug/m3
F2940-10	SV-14	Air	Chloromethane	1.53		0.21	0.21	1.03	ug/m3
F2940-10	SV-14	Air	Vinyl Chloride	0.38		0.08	0.08	0.08	ug/m3
F2940-10	SV-14	Air	Trichlorofluoromethane	5.00		0.22	0.56	2.81	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F2940

Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-10	SV-14	Air	1,1,2-Trichlorotrifluoroethane	0.69	J	0.31	0.77	3.83	ug/m3
F2940-10	SV-14	Air	Heptane	12.70		0.41	0.41	2.05	ug/m3
F2940-10	SV-14	Air	Acetone	122.00	EB	0.24	0.24	1.19	ug/m3
F2940-10	SV-14	Air	Carbon Disulfide	0.56	J	0.16	0.31	1.56	ug/m3
F2940-10	SV-14	Air	Methyl tert-Butyl Ether	1.12	J	0.18	0.36	1.8	ug/m3
F2940-10	SV-14	Air	Methylene Chloride	590.00	EB	0.17	0.35	1.74	ug/m3
F2940-10	SV-14	Air	trans-1,2-Dichloroethene	0.99	J	0.2	0.4	1.98	ug/m3
F2940-10	SV-14	Air	Cyclohexane	191.00	E	0.34	0.34	1.72	ug/m3
F2940-10	SV-14	Air	2-Butanone	3.24		0.29	0.29	1.47	ug/m3
F2940-10	SV-14	Air	Carbon Tetrachloride	0.63		0.19	0.19	0.19	ug/m3
F2940-10	SV-14	Air	cis-1,2-Dichloroethene	8.72		0.2	0.4	1.98	ug/m3
F2940-10	SV-14	Air	Chloroform	15.10		0.1	0.49	2.44	ug/m3
F2940-10	SV-14	Air	2,2,4-Trimethylpentane	7.94		0.19	0.47	2.34	ug/m3
F2940-10	SV-14	Air	Benzene	2.91		0.13	0.32	1.6	ug/m3
F2940-10	SV-14	Air	Trichloroethene	2.79		0.11	0.16	0.16	ug/m3
F2940-10	SV-14	Air	Toluene	22.60		0.19	0.38	1.88	ug/m3
F2940-10	SV-14	Air	Tetrachloroethene	124.00	E	0.2	0.2	0.2	ug/m3
F2940-10	SV-14	Air	Ethyl Benzene	16.10		0.43	0.43	2.17	ug/m3
F2940-10	SV-14	Air	m/p-Xylene	59.50		0.43	0.87	4.34	ug/m3
F2940-10	SV-14	Air	o-Xylene	30.40		0.43	0.43	2.17	ug/m3
F2940-10	SV-14	Air	Styrene	1.87	J	0.43	0.43	2.13	ug/m3
F2940-10	SV-14	Air	1,3,5-Trimethylbenzene	69.80		0.49	0.49	2.46	ug/m3
F2940-10	SV-14	Air	1,2,4-Trimethylbenzene	185.00	E	0.49	0.49	2.46	ug/m3
F2940-10	SV-14	Air	1,4-Dichlorobenzene	10.80		0.6	0.6	3.01	ug/m3
F2940-10	SV-14	Air	Naphthalene	8.91		0.21	0.52	2.62	ug/m3
F2940-10	SV-14	Air	4-Ethyltoluene	82.10	E	0.49	0.49	2.46	ug/m3
F2940-10	SV-14	Air	Hexane	73.30	E	0.14	0.35	1.76	ug/m3
Total Voc :				1654.2					
Total Concentration:				1654.2					
Client ID:	SV-14DL								
F2940-10DL	SV-14DL	Air	Dichlorodifluoromethane	3.96	JD	1.98	4.94	24.7	ug/m3
F2940-10DL	SV-14DL	Air	Trichlorofluoromethane	4.50	JD	2.25	5.62	28.1	ug/m3
F2940-10DL	SV-14DL	Air	Heptane	10.20	JD	4.1	4.1	20.5	ug/m3
F2940-10DL	SV-14DL	Air	Acetone	128.00	DB	2.38	2.38	11.9	ug/m3
F2940-10DL	SV-14DL	Air	Methylene Chloride	764.00	EDB	1.74	3.47	17.4	ug/m3
F2940-10DL	SV-14DL	Air	Cyclohexane	271.00	D	3.44	3.44	17.2	ug/m3
F2940-10DL	SV-14DL	Air	2-Butanone	2.95	JD	2.95	2.95	14.8	ug/m3
F2940-10DL	SV-14DL	Air	cis-1,2-Dichloroethene	7.53	JD	1.98	3.96	19.8	ug/m3

Hit Summary Sheet SW-846

SDG No.: F2940
Client: Dvirka & Bartilucci

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F2940-10DL	SV-14DL	Air	Chloroform	14.20	JD	0.98	4.88	24.4	ug/m3
F2940-10DL	SV-14DL	Air	2,2,4-Trimethylpentane	7.01	JD	1.87	4.67	23.4	ug/m3
F2940-10DL	SV-14DL	Air	Benzene	2.56	JD	1.28	3.19	16.0	ug/m3
F2940-10DL	SV-14DL	Air	Trichloroethene	2.69	D	0.81	1.61	1.61	ug/m3
F2940-10DL	SV-14DL	Air	Toluene	20.00	D	1.88	3.77	18.8	ug/m3
F2940-10DL	SV-14DL	Air	Tetrachloroethene	143.00	D	2.03	2.03	2.03	ug/m3
F2940-10DL	SV-14DL	Air	Ethyl Benzene	14.30	JD	4.34	4.34	21.7	ug/m3
F2940-10DL	SV-14DL	Air	m/p-Xylene	61.70	D	4.34	8.69	43.4	ug/m3
F2940-10DL	SV-14DL	Air	o-Xylene	30.80	D	4.34	4.34	21.7	ug/m3
F2940-10DL	SV-14DL	Air	1,3,5-Trimethylbenzene	81.10	D	4.92	4.92	24.6	ug/m3
F2940-10DL	SV-14DL	Air	1,2,4-Trimethylbenzene	264.00	D	4.92	4.92	24.6	ug/m3
F2940-10DL	SV-14DL	Air	1,4-Dichlorobenzene	9.62	JD	6.01	6.01	30.1	ug/m3
F2940-10DL	SV-14DL	Air	Naphthalene	6.29	JD	2.1	5.24	26.2	ug/m3
F2940-10DL	SV-14DL	Air	4-Ethyltoluene	91.40	D	4.92	4.92	24.6	ug/m3
F2940-10DL	SV-14DL	Air	Hexane	73.70	D	1.41	3.52	17.6	ug/m3
Total Voc :				2014.51					
Total Concentration:				2014.51					
Client ID:	SV-14DL2								
F2940-10DL2	SV-14DL2	Air	Acetone	157.00	DB	9.5	9.5	47.5	ug/m3
F2940-10DL2	SV-14DL2	Air	Methylene Chloride	937.00	DB	6.95	13.9	69.5	ug/m3
F2940-10DL2	SV-14DL2	Air	Cyclohexane	305.00	D	13.8	13.8	68.8	ug/m3
F2940-10DL2	SV-14DL2	Air	Toluene	22.60	JD	7.54	15.1	75.4	ug/m3
F2940-10DL2	SV-14DL2	Air	Tetrachloroethene	157.00	D	8.14	8.14	8.14	ug/m3
F2940-10DL2	SV-14DL2	Air	Ethyl Benzene	17.40	JD	17.4	17.4	86.9	ug/m3
F2940-10DL2	SV-14DL2	Air	m/p-Xylene	71.20	JD	17.4	34.8	173	ug/m3
F2940-10DL2	SV-14DL2	Air	o-Xylene	34.80	JD	17.4	17.4	86.9	ug/m3
F2940-10DL2	SV-14DL2	Air	1,3,5-Trimethylbenzene	88.50	JD	19.7	19.7	98.3	ug/m3
F2940-10DL2	SV-14DL2	Air	1,2,4-Trimethylbenzene	308.00	D	19.7	19.7	98.3	ug/m3
F2940-10DL2	SV-14DL2	Air	4-Ethyltoluene	102.00	D	19.7	19.7	98.3	ug/m3
F2940-10DL2	SV-14DL2	Air	Hexane	87.40	D	5.64	14.1	70.5	ug/m3
Total Voc :				2287.9					
Total Concentration:				2287.9					

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.12	J	0.59		
Chloromethane	74-87-3	50.49	0.42	J	0.87		
Vinyl Chloride	75-01-4	62.5	0.07		0.18		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.26	J	0.69		
Tetrahydrofuran	109-99-9	72.11	1.3		3.83		
Trichlorofluoromethane	75-69-4	137.4	0.25	J	1.4		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	U	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	4.9		20.1		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	230	E	546		
Carbon Disulfide	75-15-0	76.14	8.5		26.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	4.2		14.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	1.6		5.51		
2-Butanone	78-93-3	72.11	5.5		16.2		
Carbon Tetrachloride	56-23-5	153.8	0.11		0.69		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	1		4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.11		0.6		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	1.1		3.51		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.04		0.21		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	7.1		26.8		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	4.1		27.8		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	3.5		15.2		
m/p-Xylene	179601-2	106.2	14.2		61.7		
o-Xylene	95-47-6	106.2	9.4		40.8		

Styrene	100-42-5	104.1	0.29	J	1.23		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	17.7	E	87		
1,2,4-Trimethylbenzene	95-63-6	120.2	43	E	211		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	5.7		29.9		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	17.9	E	88		
Hexane	110-54-3	86.17	10.4		36.6		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	4.3	JD	17.6		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	280	ED	665		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	5.1	D	17.7		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	4.9	JD	14.4		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	6.8	D	25.6		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	3.8	D	25.8		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3	JD	13		
m/p-Xylene	179601-2	106.2	13	D	56.5		
o-Xylene	95-47-6	106.2	8.3	D	36		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	17.5	D	86		
1,2,4-Trimethylbenzene	95-63-6	120.2	52.7	D	259		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	3.7	JD	19.4		
4-Ethyltoluene	622-96-8	120.2	18.4	D	90.5		
Hexane	110-54-3	86.17	9.4	D	33.1		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	260	D	617		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	4	UD	13.9		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	4	UD	13.8		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	4	UD	15.9		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	4	UD	12.8		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanol	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	4.8	JD	18.1		
trans-1,3-Dichloropropene	10061-02-1	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-1	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		
Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	3.6	D	24.4		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	4	UD	17.4		
m/p-Xylene	179601-2	106.2	8.4	JD	36.5		
o-Xylene	95-47-6	106.2	5.2	JD	22.6		

Styrene	100-42-5	104.1	4	UD	17		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1.2	UD	8.24		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	10.8	JD	53.1		
1,2,4-Trimethylbenzene	95-63-6	120.2	38	D	186		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
Naphthalene	91-20-3	128.17	2.4	JD	12.6		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
4-Ethyltoluene	622-96-8	120.2	12	JD	59		
Hexane	110-54-3	86.17	7.6	JD	26.8		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	4	UD	14.4		
Methyl Methacrylate	80-62-6	100.12	4	UD	16.4		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.25	J	1.24		
Chloromethane	74-87-3	50.49	0.51		1.05		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.08	J	0.61		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	1.5		4.55		
Heptane	142-82-5	100.2	1.2		4.92		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	88	E	209		
Carbon Disulfide	75-15-0	76.14	3.3		10.3		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.5		1.8		
Methylene Chloride	75-09-2	84.94	2.7		9.38		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	1.9		6.54		
2-Butanone	78-93-3	72.11	2.3		6.78		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.23	J	1.12		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	2.8		13.1		
Benzene	71-43-2	78.11	1.4		4.47		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.04		0.21		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.4	J	1.64		
Toluene	108-88-3	92.14	7.2		27.1		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	3.1		21		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	5.3		23		
m/p-Xylene	179601-2	106.2	12.4		53.9		
o-Xylene	95-47-6	106.2	4.5		19.6		

Styrene	100-42-5	104.1	0.27	J	1.15		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.9		9.34		
1,2,4-Trimethylbenzene	95-63-6	120.2	8.3		40.8		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	6.1		32		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	2.8		13.8		
Hexane	110-54-3	86.17	2.6		9.16		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1.6	JD	4.85		
Heptane	142-82-5	100.2	1.1	JD	4.51		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	110	D	261		
Carbon Disulfide	75-15-0	76.14	2.9	JD	9.03		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1.9	JD	6.54		
2-Butanone	78-93-3	72.11	2	JD	5.9		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	2.6	JD	12.1		
Benzene	71-43-2	78.11	1.4	JD	4.47		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	7.5	D	28.3		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	3.1	D	21		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	5.1	D	22.2		
m/p-Xylene	179601-2	106.2	12.9	D	56		
o-Xylene	95-47-6	106.2	4.8	JD	20.8		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	2.2	JD	10.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	9.5	D	46.7		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	4	JD	21		
4-Ethyltoluene	622-96-8	120.2	2.8	JD	13.8		
Hexane	110-54-3	86.17	2.5	JD	8.81		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.78		3.86		
Chloromethane	74-87-3	50.49	0.46	J	0.95		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.91		5.11		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.11	J	0.84		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	4.6		18.8		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	140	E	332		
Carbon Disulfide	75-15-0	76.14	0.1	U	0.31		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	0.42	J	1.46		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	16.2	E	55.8		
2-Butanone	78-93-3	72.11	3.1		9.14		
Carbon Tetrachloride	56-23-5	153.8	0.03	U	0.19		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	39.8	E	185		
Benzene	71-43-2	78.11	7		22.4		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	6.2		23.4		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	27	E	183		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	24.3	E	105		
m/p-Xylene	179601-2	106.2	42.5	E	184		
o-Xylene	95-47-6	106.2	17.1	E	74.3		

Styrene	100-42-5	104.1	0.31	J	1.32		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.9		19.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	14.9		73.2		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	1.9		9.96		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	5.2		25.6		
Hexane	110-54-3	86.17	14.5		51.1		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	160	ED	380		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	14.3	D	49.2		
2-Butanone	78-93-3	72.11	2.5	JD	7.37		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	61.1	D	285		
Benzene	71-43-2	78.11	6	D	19.2		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	7.4	D	27.9		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	33.7	D	228		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	25	D	108		
m/p-Xylene	179601-2	106.2	47.1	D	204		
o-Xylene	95-47-6	106.2	16.2	D	70.4		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.4	JD	16.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	14.4	D	70.8		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	3.6	JD	18.9		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	4.5	JD	22.1		
Hexane	110-54-3	86.17	12.2	D	43		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	160	D	380		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	4	UD	13.9		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	13.6	JD	46.8		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	4	UD	15.9		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	73.2	D	341		
Benzene	71-43-2	78.11	6.4	JD	20.4		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanol	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	7.6	JD	28.6		
trans-1,3-Dichloropropene	10061-02-1	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-1	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		
Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	35.2	D	238		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	21.6	D	93.8		
m/p-Xylene	179601-2	106.2	41.2	D	178		
o-Xylene	95-47-6	106.2	13.2	JD	57.3		

Styrene	100-42-5	104.1	4	UD	17		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1.2	UD	8.24		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	4	UD	19.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	10.4	JD	51.1		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
Naphthalene	91-20-3	128.17	4	UD	21		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
4-Ethyltoluene	622-96-8	120.2	4	UD	19.7		
Hexane	110-54-3	86.17	11.2	JD	39.5		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	4	UD	14.4		
Methyl Methacrylate	80-62-6	100.12	4	UD	16.4		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.7		3.46		
Chloromethane	74-87-3	50.49	0.86		1.78		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	0.25	J	1.02		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	19.1	E	45.4		
Carbon Disulfide	75-15-0	76.14	0.1	U	0.31		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	0.29	J	1.01		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.12	J	0.41		
2-Butanone	78-93-3	72.11	2		5.9		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.21	J	0.98		
Benzene	71-43-2	78.11	0.18	J	0.58		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	5.9		22.2		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.05		0.34		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	0.11	J	0.48		
m/p-Xylene	179601-2	106.2	0.36	J	1.56		
o-Xylene	95-47-6	106.2	0.15	J	0.65		

Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.1	U	0.49		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.16	J	0.79		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.1	U	0.49		
Hexane	110-54-3	86.17	0.1	U	0.35		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	19.3	D	45.8		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1	UD	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	5.2	D	19.6		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	1	UD	4.34		
m/p-Xylene	179601-2	106.2	2	UD	8.69		
o-Xylene	95-47-6	106.2	1	UD	4.34		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	1	UD	4.92		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	1	UD	5.24		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	1	UD	4.92		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.7	J	3.46		
Chloromethane	74-87-3	50.49	2.4	J	4.96		
Vinyl Chloride	75-01-4	62.5	0.3	U	0.77		
Bromomethane	74-83-9	94.94	1	U	3.88		
Chloroethane	75-00-3	64.52	1	U	2.64		
Tetrahydrofuran	109-99-9	72.11	1	U	2.95		
Trichlorofluoromethane	75-69-4	137.4	0.4	J	2.25		
Dichlorotetrafluoroethane	76-14-2	170.9	1	U	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	U	7.66		
Bromoethene	593-60-2	106.9	1	U	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	U	3.03		
Heptane	142-82-5	100.2	2.2	J	9.02		
1,1-Dichloroethene	75-35-4	96.94	1	U	3.96		
Acetone	67-64-1	58.08	20.5		48.7		
Carbon Disulfide	75-15-0	76.14	7.3		22.7		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	U	3.61		
Methylene Chloride	75-09-2	84.94	1.5	J	5.21		
trans-1,2-Dichloroethene	156-60-5	96.94	1	U	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	U	4.05		
Cyclohexane	110-82-7	84.16	1.3	J	4.47		
2-Butanone	78-93-3	72.11	1	U	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	U	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	U	3.96		
Chloroform	67-66-3	119.4	2.3	J	11.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	U	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	U	4.67		
Benzene	71-43-2	78.11	2.2	J	7.03		
1,2-Dichloroethane	107-06-2	98.96	1	U	4.05		
Trichloroethene	79-01-6	131.4	33.2		178		
1,2-Dichloropropane	78-87-5	113	1	U	4.62		
Bromodichloromethane	75-27-4	163.8	1	U	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	U	4.1		
Toluene	108-88-3	92.14	5.8		21.9		
trans-1,3-Dichloropropene	10061-02-1	111	1	U	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	U	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	U	5.46		
Dibromochloromethane	124-48-1	208.3	1	U	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	U	7.69		
Tetrachloroethene	127-18-4	165.8	1300	E	8815		
Chlorobenzene	108-90-7	112.6	1	U	4.61		
Ethyl Benzene	100-41-4	106.2	1.5	J	6.52		
m/p-Xylene	179601-2	106.2	4.9	J	21.3		
o-Xylene	95-47-6	106.2	1.9	J	8.25		

Styrene	100-42-5	104.1	1	U	4.26		
Bromoform	75-25-2	252.8	1	U	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	U	2.06		
2-Chlorotoluene	95-49-8	126.6	1	U	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.1	J	5.41		
1,2,4-Trimethylbenzene	95-63-6	120.2	3	J	14.8		
1,3-Dichlorobenzene	541-73-1	147	1	U	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	U	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	U	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	U	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	U	10.7		
Naphthalene	91-20-3	128.17	1	J	5.24		
1,3-Butadiene	106-99-0	54.09	1	U	2.21		
4-Ethyltoluene	622-96-8	120.2	1	U	4.92		
Hexane	110-54-3	86.17	3.4	J	12		
Allyl Chloride	107-05-1	76.53	1	U	3.13		
1,4-Dioxane	123-91-1	88.12	1	U	3.6		
Methyl Methacrylate	80-62-6	100.12	1	U	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	20	UD	98.9		
Chloromethane	74-87-3	50.49	20	UD	41.3		
Vinyl Chloride	75-01-4	62.5	6	UD	15.3		
Bromomethane	74-83-9	94.94	20	UD	77.7		
Chloroethane	75-00-3	64.52	20	UD	52.8		
Tetrahydrofuran	109-99-9	72.11	20	UD	59		
Trichlorofluoromethane	75-69-4	137.4	20	UD	112		
Dichlorotetrafluoroethane	76-14-2	170.9	20	UD	139		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	20	UD	153		
Bromoethene	593-60-2	106.9	20	UD	87.4		
tert-Butyl alcohol	75-65-0	74.12	20	UD	60.6		
Heptane	142-82-5	100.2	20	UD	82		
1,1-Dichloroethene	75-35-4	96.94	20	UD	79.3		
Acetone	67-64-1	58.08	20	UD	47.5		
Carbon Disulfide	75-15-0	76.14	20	UD	62.3		
Methyl tert-Butyl Ether	1634-04-1	88.15	20	UD	72.1		
Methylene Chloride	75-09-2	84.94	20	UD	69.5		
trans-1,2-Dichloroethene	156-60-5	96.94	20	UD	79.3		
1,1-Dichloroethane	75-34-3	98.96	20	UD	81		
Cyclohexane	110-82-7	84.16	20	UD	68.8		
2-Butanone	78-93-3	72.11	20	UD	59		
Carbon Tetrachloride	56-23-5	153.8	6	UD	37.7		
cis-1,2-Dichloroethene	156-59-2	96.94	20	UD	79.3		
Chloroform	67-66-3	119.4	20	UD	97.7		
1,1,1-Trichloroethane	71-55-6	133.4	6	UD	32.7		
2,2,4-Trimethylpentane	540-84-1	114.2	20	UD	93.4		
Benzene	71-43-2	78.11	20	UD	63.9		
1,2-Dichloroethane	107-06-2	98.96	20	UD	81		
Trichloroethene	79-01-6	131.4	22	D	118		
1,2-Dichloropropane	78-87-5	113	20	UD	92.4		
Bromodichloromethane	75-27-4	163.8	20	UD	133		
4-Methyl-2-Pentanol	108-10-1	100.2	20	UD	82		
Toluene	108-88-3	92.14	20	UD	75.4		
trans-1,3-Dichloropropene	10061-02-1	111	20	UD	90.8		
cis-1,3-Dichloropropene	10061-01-1	111	20	UD	90.8		
1,1,2-Trichloroethane	79-00-5	133.4	20	UD	109		
Dibromochloromethane	124-48-1	208.3	20	UD	170		
1,2-Dibromoethane	106-93-4	187.9	20	UD	153		
Tetrachloroethene	127-18-4	165.8	2300	D	15596		
Chlorobenzene	108-90-7	112.6	20	UD	92.1		
Ethyl Benzene	100-41-4	106.2	20	UD	86.9		
m/p-Xylene	179601-2	106.2	40	UD	173		
o-Xylene	95-47-6	106.2	20	UD	86.9		

Styrene	100-42-5	104.1	20	UD	85.2		
Bromoform	75-25-2	252.8	20	UD	206		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	6	UD	41.2		
2-Chlorotoluene	95-49-8	126.6	20	UD	103		
1,3,5-Trimethylbenzene	108-67-8	120.2	20	UD	98.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	20	UD	98.3		
1,3-Dichlorobenzene	541-73-1	147	20	UD	120		
1,4-Dichlorobenzene	106-46-7	147	20	UD	120		
1,2-Dichlorobenzene	95-50-1	147	20	UD	120		
1,2,4-Trichlorobenzene	120-82-1	181.5	20	UD	148		
Hexachloro-1,3-Butadiene	87-68-3	260.8	20	UD	213		
Naphthalene	91-20-3	128.17	20	UD	104		
1,3-Butadiene	106-99-0	54.09	20	UD	44.2		
4-Ethyltoluene	622-96-8	120.2	20	UD	98.3		
Hexane	110-54-3	86.17	20	UD	70.5		
Allyl Chloride	107-05-1	76.53	20	UD	62.6		
1,4-Dioxane	123-91-1	88.12	20	UD	72.1		
Methyl Methacrylate	80-62-6	100.12	20	UD	81.9		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.51		2.52		
Chloromethane	74-87-3	50.49	0.89		1.84		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.12	J	0.47		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	0.5		2.05		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	48.2	E	114		
Carbon Disulfide	75-15-0	76.14	1.4		4.36		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	2		6.95		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.33	J	1.14		
2-Butanone	78-93-3	72.11	1.3		3.83		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.28	J	1.37		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.91		4.25		
Benzene	71-43-2	78.11	0.62		1.98		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	3.2		12.1		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.49		3.32		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	0.75		3.26		
m/p-Xylene	179601-2	106.2	2.7		11.7		
o-Xylene	95-47-6	106.2	1.3		5.65		

Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.84		4.13		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.1		15.2		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.38	J	1.99		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.99		4.87		
Hexane	110-54-3	86.17	1.2		4.23		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	46.4	D	110		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1.5	JD	4.42		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	2.7	JD	10.2		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	1	UD	4.34		
m/p-Xylene	179601-2	106.2	2.1	JD	9.12		
o-Xylene	95-47-6	106.2	1	JD	4.34		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	2.8	JD	13.8		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	1	UD	5.24		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	1	UD	4.92		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.94		4.65		
Chloromethane	74-87-3	50.49	0.49	J	1.01		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	1.1		3.24		
Trichlorofluoromethane	75-69-4	137.4	0.51		2.87		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	J	1.23		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	5.5		22.5		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	450	E	1068		
Carbon Disulfide	75-15-0	76.14	17	E	52.9		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	11.9		41.3		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	2.3		7.92		
2-Butanone	78-93-3	72.11	9.2		27.1		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	100	E	488		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	1.6		7.47		
Benzene	71-43-2	78.11	3		9.58		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.16		0.86		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	2.7		18.1		
4-Methyl-2-Pentanol	108-10-1	100.2	2.1		8.61		
Toluene	108-88-3	92.14	26	E	98		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	6.9		46.8		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	10.6		46		
m/p-Xylene	179601-2	106.2	35.7	E	155		
o-Xylene	95-47-6	106.2	14.7		63.8		

Styrene	100-42-5	104.1	0.6		2.55		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.8		23.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	18	E	88.5		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	3.2		16.8		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	7.3		35.9		
Hexane	110-54-3	86.17	7.9		27.8		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	3.6	JD	14.8		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	580	ED	1377		
Carbon Disulfide	75-15-0	76.14	9.4	D	29.3		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	9.4	D	32.7		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	7	D	20.6		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	100	D	488		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	2.3	JD	7.35		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1.8	JD	12.1		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	26.5	D	99.9		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	5.3	D	35.9		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	7.2	D	31.3		
m/p-Xylene	179601-2	106.2	27.1	D	117		
o-Xylene	95-47-6	106.2	10.2	D	44.3		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.5	JD	17.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	13.3	D	65.4		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	5.8	D	30.4		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	5	D	24.6		
Hexane	110-54-3	86.17	5.2	D	18.3		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	10	UD	49.4		
Chloromethane	74-87-3	50.49	10	UD	20.6		
Vinyl Chloride	75-01-4	62.5	3	UD	7.67		
Bromomethane	74-83-9	94.94	10	UD	38.8		
Chloroethane	75-00-3	64.52	10	UD	26.4		
Tetrahydrofuran	109-99-9	72.11	10	UD	29.5		
Trichlorofluoromethane	75-69-4	137.4	10	UD	56.2		
Dichlorotetrafluoroethane	76-14-2	170.9	10	UD	69.9		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	10	UD	76.6		
Bromoethene	593-60-2	106.9	10	UD	43.7		
tert-Butyl alcohol	75-65-0	74.12	10	UD	30.3		
Heptane	142-82-5	100.2	10	UD	41		
1,1-Dichloroethene	75-35-4	96.94	10	UD	39.6		
Acetone	67-64-1	58.08	560	D	1330		
Carbon Disulfide	75-15-0	76.14	10	UD	31.1		
Methyl tert-Butyl Ether	1634-04-1	88.15	10	UD	36		
Methylene Chloride	75-09-2	84.94	10	UD	34.7		
trans-1,2-Dichloroethene	156-60-5	96.94	10	UD	39.6		
1,1-Dichloroethane	75-34-3	98.96	10	UD	40.5		
Cyclohexane	110-82-7	84.16	10	UD	34.4		
2-Butanone	78-93-3	72.11	10	UD	29.5		
Carbon Tetrachloride	56-23-5	153.8	3	UD	18.9		
cis-1,2-Dichloroethene	156-59-2	96.94	10	UD	39.6		
Chloroform	67-66-3	119.4	110	D	537		
1,1,1-Trichloroethane	71-55-6	133.4	3	UD	16.4		
2,2,4-Trimethylpentane	540-84-1	114.2	10	UD	46.7		
Benzene	71-43-2	78.11	10	UD	32		
1,2-Dichloroethane	107-06-2	98.96	10	UD	40.5		
Trichloroethene	79-01-6	131.4	3	UD	16.1		
1,2-Dichloropropane	78-87-5	113	10	UD	46.2		
Bromodichloromethane	75-27-4	163.8	10	UD	67		
4-Methyl-2-Pentanol	108-10-1	100.2	10	UD	41		
Toluene	108-88-3	92.14	19	JD	71.6		
trans-1,3-Dichloropropene	10061-02-1	111	10	UD	45.4		
cis-1,3-Dichloropropene	10061-01-1	111	10	UD	45.4		
1,1,2-Trichloroethane	79-00-5	133.4	10	UD	54.6		
Dibromochloromethane	124-48-1	208.3	10	UD	85.2		
1,2-Dibromoethane	106-93-4	187.9	10	UD	76.8		
Tetrachloroethene	127-18-4	165.8	5	D	33.9		
Chlorobenzene	108-90-7	112.6	10	UD	46		
Ethyl Benzene	100-41-4	106.2	10	UD	43.4		
m/p-Xylene	179601-2	106.2	17	JD	73.8		
o-Xylene	95-47-6	106.2	10	UD	43.4		

Styrene	100-42-5	104.1	10	UD	42.6		
Bromoform	75-25-2	252.8	10	UD	103		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	3	UD	20.6		
2-Chlorotoluene	95-49-8	126.6	10	UD	51.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	10	UD	49.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	10	UD	49.2		
1,3-Dichlorobenzene	541-73-1	147	10	UD	60.1		
1,4-Dichlorobenzene	106-46-7	147	10	UD	60.1		
1,2-Dichlorobenzene	95-50-1	147	10	UD	60.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	10	UD	74.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	10	UD	106		
Naphthalene	91-20-3	128.17	10	UD	52.4		
1,3-Butadiene	106-99-0	54.09	10	UD	22.1		
4-Ethyltoluene	622-96-8	120.2	10	UD	49.2		
Hexane	110-54-3	86.17	10	UD	35.2		
Allyl Chloride	107-05-1	76.53	10	UD	31.3		
1,4-Dioxane	123-91-1	88.12	10	UD	36		
Methyl Methacrylate	80-62-6	100.12	10	UD	41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.9		4.45		
Chloromethane	74-87-3	50.49	10.6		21.9		
Vinyl Chloride	75-01-4	62.5	2.7		6.9		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	2.1		5.54		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.11	J	0.84		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	2.7		11.1		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	130	E	308		
Carbon Disulfide	75-15-0	76.14	9.3		29		
Methyl tert-Butyl Ether	1634-04-1	88.15	1.6		5.77		
Methylene Chloride	75-09-2	84.94	1		3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.91		3.13		
2-Butanone	78-93-3	72.11	4		11.8		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	1.3		6.35		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.61		2.85		
Benzene	71-43-2	78.11	11.3		36.1		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	9.9		37.3		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	7		47.5		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	4.6		20		
m/p-Xylene	179601-2	106.2	12.8		55.6		
o-Xylene	95-47-6	106.2	5.3		23		

Styrene	100-42-5	104.1	2		8.52		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	2.5		12.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	10.2		50.1		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
Naphthalene	91-20-3	128.17	1.8		9.44		
4-Ethyltoluene	622-96-8	120.2	3.6		17.7		
Hexane	110-54-3	86.17	5.6		19.7		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	8.6	D	17.8		
Vinyl Chloride	75-01-4	62.5	2.3	D	5.88		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1.9	JD	5.01		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	2.3	JD	9.43		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	130	D	308		
Carbon Disulfide	75-15-0	76.14	6.1	D	19		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	3.5	JD	10.3		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	10.3	D	32.9		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	9.5	D	35.8		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	6.5	D	44.1		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3.5	JD	15.2		
m/p-Xylene	179601-2	106.2	10.6	D	46		
o-Xylene	95-47-6	106.2	4.2	JD	18.2		

Styrene	100-42-5	104.1	1.5	JD	6.39		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	2.2	JD	10.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	8.9	D	43.8		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	2.9	JD	15.2		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	2.8	JD	13.8		
Hexane	110-54-3	86.17	4.6	JD	16.2		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.51		2.52		
Chloromethane	74-87-3	50.49	0.74		1.53		
Vinyl Chloride	75-01-4	62.5	0.15		0.38		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
Trichlorofluoromethane	75-69-4	137.4	0.89		5		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.09	J	0.69		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	3.1		12.7		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	51.6	E	122		
Carbon Disulfide	75-15-0	76.14	0.18	J	0.56		
Methyl tert-Butyl Ether	1634-04-1	88.15	0.31	J	1.12		
Methylene Chloride	75-09-2	84.94	170	E	590		
trans-1,2-Dichloroethene	156-60-5	96.94	0.25	J	0.99		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	55.5	E	191		
2-Butanone	78-93-3	72.11	1.1		3.24		
Carbon Tetrachloride	56-23-5	153.8	0.1		0.63		
cis-1,2-Dichloroethene	156-59-2	96.94	2.2		8.72		
Chloroform	67-66-3	119.4	3.1		15.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	1.7		7.94		
Benzene	71-43-2	78.11	0.91		2.91		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.52		2.79		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanol	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	6		22.6		
trans-1,3-Dichloropropene	10061-02-1	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-1	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	18.4	E	124		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	3.7		16.1		
m/p-Xylene	179601-2	106.2	13.7		59.5		
o-Xylene	95-47-6	106.2	7		30.4		

Styrene	100-42-5	104.1	0.44	J	1.87		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	14.2		69.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	37.8	E	185		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	1.8		10.8		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	1.7		8.91		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	16.7	E	82.1		
Hexane	110-54-3	86.17	20.8	E	73.3		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.12	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.8	JD	3.96		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	0.8	JD	4.5		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	2.5	JD	10.2		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	54.1	D	128		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-1	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	220	ED	764		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	79	D	271		
2-Butanone	78-93-3	72.11	1	JD	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1.9	JD	7.53		
Chloroform	67-66-3	119.4	2.9	JD	14.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1.5	JD	7.01		
Benzene	71-43-2	78.11	0.8	JD	2.56		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.5	D	2.69		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanol	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	5.3	D	20		
trans-1,3-Dichloropropene	10061-02-1	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-1	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	21.1	D	143		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3.3	JD	14.3		
m/p-Xylene	179601-2	106.2	14.2	D	61.7		
o-Xylene	95-47-6	106.2	7.1	D	30.8		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	16.5	D	81.1		
1,2,4-Trimethylbenzene	95-63-6	120.2	53.7	D	264		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1.6	JD	9.62		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	1.2	JD	6.29		
4-Ethyltoluene	622-96-8	120.2	18.6	D	91.4		
Hexane	110-54-3	86.17	20.9	D	73.7		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.12	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generated Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	66.4	D	157		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-1	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	270	D	937		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	88.8	D	305		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	4	UD	15.9		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	4	UD	12.8		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanol	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	6	JD	22.6		
trans-1,3-Dichloropropene	10061-02-1	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-1	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		
Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	23.2	D	157		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	4	JD	17.4		
m/p-Xylene	179601-2	106.2	16.4	JD	71.2		
o-Xylene	95-47-6	106.2	8	JD	34.8		

Styrene	100-42-5	104.1	4	UD	17		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1.2	UD	8.24		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	18	JD	88.5		
1,2,4-Trimethylbenzene	95-63-6	120.2	62.8	D	308		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
Naphthalene	91-20-3	128.17	4	UD	21		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
4-Ethyltoluene	622-96-8	120.2	20.8	D	102		
Hexane	110-54-3	86.17	24.8	D	87.4		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	4	UD	14.4		
Methyl Methacrylate	80-62-6	100.12	4	UD	16.4		

DATA FOR
VOLATILE ORGANICS
SEMI-VOLATILE ORGANICS
GC SEMI-VOLATILES
METALS
GENERAL CHEMISTRY

PROJECT NAME : NYCSCA UNIONPORT ROAD BRONX

DVIRKA & BARTILUCCI
330 Crossways Park Drive

Woodbury, NY - 11797
Phone No: 516-364-9890

ORDER ID : F2981
ATTENTION : MARIA WRIGHT



DoD ELAP



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date : 07/08/2014

Dear MARIA WRIGHT,

5 water and **2** soil samples for the **NYCSCA Unionport Road Bronx** project were received on **07/01/2014**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Corey J. Petitt

Corey@chemtech.net

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 031944

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Durkin & Barilucci Engineers
ADDRESS: 330 Crossings Park Drive
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Mike Hofgren
PHONE: 516364-5850 FAX: 516364-9045

CLIENT PROJECT INFORMATION

PROJECT NAME: Durkin & Barilucci Engineers
PROJECT NO.: 3415 LOCATION: Chungbuk Brown
PROJECT MANAGER: M. Hofgren
e-mail: M.Hofgren@db-eng.com
PHONE: 516364-9045 FAX: 516364-9045

CLIENT BILLING INFORMATION

BILL TO: Durkin & Barilucci PO#:
ADDRESS: 330 Crossings Park Drive
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Mike Hofgren PHONE: 516364-5850

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: 5 day DAYS *
EDD: _____ DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others _____
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format: _____

1 TEL VOCs, CP-51, TCE
2 TEL VOCs, CP-51, TCE
3 TEL VOCs, CP-51, TCE
4 TEL VOCs, CP-51, TCE
5 TEL VOCs, CP-51, TCE
6 TEL VOCs, CP-51, TCE
7 TEL VOCs, CP-51, TCE
8 TEL VOCs, CP-51, TCE
9 TEL VOCs, CP-51, TCE
10 TEL VOCs, CP-51, TCE

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E	E	E						Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
1.	GW-1	Water		✓	6/30/14	11:00 am	6	✓	✓	✓	✓						Filter in Lab for dissolved metals	
2.	Tripp BLANK - 6/20/14	Aqueous			6/30/14		2	✓									Lab only	
3.	GW-13	Water		✓	6/30/14	1:30 pm	6	✓	✓	✓	✓						Filter in Lab for dissolved metals	
4.	GP-13 (18'-20')	Soil		✓	6/30/14	1:00 pm	6	✓	✓	✓			✓	✓	✓	✓	Hold TCE	
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY: <u>Reed/Barilucci</u>	DATE/TIME: <u>7/1/14 10:52 AM</u>	RECEIVED BY: <u>L. Cotto</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant	Cooler Temp: <u>4°C</u>
RELINQUISHED BY: <u>L. Cotto</u>	DATE/TIME: <u>7/1/14</u>	RECEIVED BY: <u>Small Mace</u>	MeOH extraction requires an additional 4 oz jar for percent solid.	Ice in Cooler?: <u>yes</u>
RELINQUISHED BY: <u>L. Cotto</u>	DATE/TIME: <u>7/1/14</u>	RECEIVED FOR LAB BY: <u>Small Mace</u>	Comments: <u>Filter in Lab for dissolved metals</u>	
Page <u>1</u> of <u>1</u>			SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT	Shipment Complete: <input type="checkbox"/> YES <input type="checkbox"/> NO

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.76	J	1	0.14	1.0	2	ug/L	07/02/14	07/04/14	SW6020
7440-38-2	Arsenic	0.54	J	1	0.18	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-39-3	Barium	166		1	0.1	5.0	10	ug/L	07/02/14	07/04/14	SW6020
7440-41-7	Beryllium	0.59	J	1	0.09	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-43-9	Cadmium	1.1		1	0.13	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-47-3	Chromium	14.9	N*	1	0.04	1.0	2	ug/L	07/02/14	07/04/14	SW6020
7440-48-4	Cobalt	15.2		1	0.05	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-50-8	Copper	20.4	*	1	0.04	1.0	2	ug/L	07/02/14	07/04/14	SW6020
7439-92-1	Lead	48.7	N*	1	0.04	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7439-96-5	Manganese	13500	D	25	1.3	12.5	25	ug/L	07/02/14	07/04/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/02/14	07/03/14	SW7470A
7440-02-0	Nickel	50.5	N*	1	0.06	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7782-49-2	Selenium	3.6	J	1	0.7	2.5	5	ug/L	07/02/14	07/04/14	SW6020
7440-22-4	Silver	0.048	J	1	0.03	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-28-0	Thallium	0.14	J	1	0.02	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-62-2	Vanadium	7.2		1	0.15	2.5	5	ug/L	07/02/14	07/04/14	SW6020
7440-66-6	Zinc	52.5	*	1	0.09	1.0	2	ug/L	07/02/14	07/04/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC017846.D	1	07/02/14	07/03/14	PB77584

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.101	U	0.097	0.101	0.505	ug/L
11104-28-2	Aroclor-1221	0.101	U	0.101	0.101	0.505	ug/L
11141-16-5	Aroclor-1232	0.101	U	0.101	0.101	0.505	ug/L
53469-21-9	Aroclor-1242	0.101	U	0.09	0.101	0.505	ug/L
12672-29-6	Aroclor-1248	0.101	U	0.101	0.101	0.505	ug/L
11097-69-1	Aroclor-1254	0.101	U	0.044	0.101	0.505	ug/L
11096-82-5	Aroclor-1260	0.101	U	0.082	0.101	0.505	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	12.5		35 - 137		63%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.5		40 - 135		62%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086683.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.79	1	10.3	ug/L
108-95-2	Phenol	1	U	0.22	1	10.3	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.57	1	10.3	ug/L
95-57-8	2-Chlorophenol	1	U	0.56	1	10.3	ug/L
95-48-7	2-Methylphenol	1	U	0.25	1	10.3	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.18	1	10.3	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10.3	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.39	1	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.21	1	10.3	ug/L
67-72-1	Hexachloroethane	1	U	0.26	1	10.3	ug/L
98-95-3	Nitrobenzene	1	U	0.7	1	10.3	ug/L
78-59-1	Isophorone	1	U	0.31	1	10.3	ug/L
88-75-5	2-Nitrophenol	1	U	0.54	1	10.3	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.73	1	10.3	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.57	1	10.3	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.68	1	10.3	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10.3	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10.3	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.26	1	10.3	ug/L
105-60-2	Caprolactam	1	U	1	1	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.41	1	10.3	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.33	1	10.3	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.25	1	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.58	1	10.3	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.41	1	10.3	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10.3	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10.3	ug/L
88-74-4	2-Nitroaniline	1	U	0.51	1	10.3	ug/L
131-11-3	Dimethylphthalate	8.1	J	0.23	1	10.3	ug/L
208-96-8	Acenaphthylene	1	U	0.72	1	10.3	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.33	1	10.3	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086683.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10.3	ug/L
83-32-9	Acenaphthene	1	U	0.22	1	10.3	ug/L
51-28-5	2,4-Dinitrophenol	8.2	U	2.2	8.2	10.3	ug/L
100-02-7	4-Nitrophenol	5.2	U	2.1	5.2	10.3	ug/L
132-64-9	Dibenzofuran	1	U	0.25	1	10.3	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10.3	ug/L
84-66-2	Diethylphthalate	1	U	0.39	1	10.3	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.22	1	10.3	ug/L
86-73-7	Fluorene	1	U	0.32	1	10.3	ug/L
100-01-6	4-Nitroaniline	2.1	U	1.4	2.1	10.3	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	0.76	2.1	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.62	1	10.3	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.24	1	10.3	ug/L
118-74-1	Hexachlorobenzene	1	U	0.19	1	10.3	ug/L
1912-24-9	Atrazine	1	U	0.41	1	10.3	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10.3	ug/L
85-01-8	Phenanthrene	1	U	0.27	1	10.3	ug/L
120-12-7	Anthracene	1	U	0.16	1	10.3	ug/L
86-74-8	Carbazole	1	U	0.23	1	10.3	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10.3	ug/L
206-44-0	Fluoranthene	1	U	0.41	1	10.3	ug/L
129-00-0	Pyrene	1	U	0.21	1	10.3	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.2	1	10.3	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10.3	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10.3	ug/L
218-01-9	Chrysene	1	U	0.19	1	10.3	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10.3	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.53	1	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.3	1	10.3	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.19	1	10.3	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10.3	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10.3	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.43	1	10.3	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086683.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.3	1	10.3	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.21	1	10.3	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.21	1	10.3	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	73.6		10 - 130		49%	SPK: 150
13127-88-3	Phenol-d6	51.3		10 - 130		34%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.1		36 - 131		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	86		39 - 131		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		25 - 155		97%	SPK: 150
1718-51-0	Terphenyl-d14	74.4		23 - 130		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	174216	6.74				
1146-65-2	Naphthalene-d8	764825	8.31				
15067-26-2	Acenaphthene-d10	374379	10.45				
1517-22-2	Phenanthrene-d10	578662	12.25				
1719-03-5	Chrysene-d12	513778	15.47				
1520-96-3	Perylene-d12	472057	17.08				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	91.9	J			1.49	ug/L
	unknown2.67	5.7	J			2.67	ug/L
219667-42-2	2,3-Dimethyl-3-decanol	6.5	J			3.08	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.8	A			4.41	ug/L
	unknown6.46	85	J			6.46	ug/L
074630-67-4	5-Undecene, 3-methyl-, (E)-	2.4	J			7.8	ug/L
103385-97-3	Tricyclo[5.2.1.0(2,6)]decan-10-one	2.7	J			9.24	ug/L
000057-10-3	n-Hexadecanoic acid	2.3	J			13.02	ug/L
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	2.9	J			14.11	ug/L



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086683.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016972.D	1		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	39.6		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016972.D	1		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		69 - 133		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016972.D	1		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.6		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	60		58 - 135		120%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	242114	7.87				
540-36-3	1,4-Difluorobenzene	393553	8.79				
3114-55-4	Chlorobenzene-d5	422201	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	195410	13.56				
TENTATIVE IDENTIFIED COMPOUNDS							
75-65-0	Tert butyl alcohol	83.6	J			4.95	ug/L
108-20-3	Diisopropyl ether	2.2	J			6.18	ug/L
000637-92-3	Propane, 2-ethoxy-2-methyl-	61.9	J			6.81	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	5.2	J			8.44	ug/L
	unknown10.13	9.1	J			10.13	ug/L
	unknown10.45	8.4	J			10.45	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	TRIPBKLANK-6-30-14	SDG No.:	F2981
Lab Sample ID:	F2981-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016971.D	1		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	0.2	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.2	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	0.2	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	0.2	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	0.2	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.2	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	0.2	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.2	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.2	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	0.2	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	1	5	ug/L
108-88-3	Toluene	0.2	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	TRIPBKLANK-6-30-14	SDG No.:	F2981
Lab Sample ID:	F2981-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016971.D	1		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	0.2	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	0.2	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	0.4	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	0.2	U	0.2	0.2	1	ug/L
100-42-5	Styrene	0.2	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.2	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	0.2	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	0.2	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	0.2	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	0.2	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.2	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		61 - 141		98%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		69 - 133		88%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	TRIPBKLANK-6-30-14	SDG No.:	F2981
Lab Sample ID:	F2981-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016971.D	1		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	47.2		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.2		58 - 135		118%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	236869	7.87				
540-36-3	1,4-Difluorobenzene	389070	8.79				
3114-55-4	Chlorobenzene-d5	426842	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	190149	13.56				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.31	J	1	0.14	1.0	2	ug/L	07/02/14	07/04/14	SW6020
7440-38-2	Arsenic	3.3		1	0.18	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-39-3	Barium	117		1	0.1	5.0	10	ug/L	07/02/14	07/04/14	SW6020
7440-41-7	Beryllium	0.5	J	1	0.09	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-43-9	Cadmium	0.14	J	1	0.13	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-47-3	Chromium	13.1	N*	1	0.04	1.0	2	ug/L	07/02/14	07/04/14	SW6020
7440-48-4	Cobalt	6		1	0.05	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-50-8	Copper	55.6	*	1	0.04	1.0	2	ug/L	07/02/14	07/04/14	SW6020
7439-92-1	Lead	20.4	N*	1	0.04	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7439-96-5	Manganese	3550		1	0.05	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/02/14	07/03/14	SW7470A
7440-02-0	Nickel	18.4	N*	1	0.06	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7782-49-2	Selenium	2.4	J	1	0.7	2.5	5	ug/L	07/02/14	07/04/14	SW6020
7440-22-4	Silver	0.072	J	1	0.03	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-28-0	Thallium	0.11	J	1	0.02	0.5	1	ug/L	07/02/14	07/04/14	SW6020
7440-62-2	Vanadium	12		1	0.15	2.5	5	ug/L	07/02/14	07/04/14	SW6020
7440-66-6	Zinc	40.2	*	1	0.09	1.0	2	ug/L	07/02/14	07/04/14	SW6020

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Yellow	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC017847.D	1	07/02/14	07/03/14	PB77584

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.1	U	0.096	0.1	0.5	ug/L
11104-28-2	Aroclor-1221	0.1	U	0.1	0.1	0.5	ug/L
11141-16-5	Aroclor-1232	0.1	U	0.1	0.1	0.5	ug/L
53469-21-9	Aroclor-1242	0.1	U	0.089	0.1	0.5	ug/L
12672-29-6	Aroclor-1248	0.1	U	0.1	0.1	0.5	ug/L
11097-69-1	Aroclor-1254	0.1	U	0.044	0.1	0.5	ug/L
11096-82-5	Aroclor-1260	0.1	U	0.081	0.1	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	12.6		35 - 137		63%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.88		40 - 135		49%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086684.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.79	1	10.2	ug/L
108-95-2	Phenol	1	U	0.21	1	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.56	1	10.2	ug/L
95-57-8	2-Chlorophenol	1	U	0.55	1	10.2	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10.2	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10.2	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.39	1	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10.2	ug/L
67-72-1	Hexachloroethane	1	U	0.26	1	10.2	ug/L
98-95-3	Nitrobenzene	1	U	0.69	1	10.2	ug/L
78-59-1	Isophorone	1	U	0.31	1	10.2	ug/L
88-75-5	2-Nitrophenol	1	U	0.53	1	10.2	ug/L
105-67-9	2,4-Dimethylphenol	7.7	J	0.72	1	10.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.56	1	10.2	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.67	1	10.2	ug/L
91-20-3	Naphthalene	230	E	0.12	1	10.2	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10.2	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.26	1	10.2	ug/L
105-60-2	Caprolactam	1	U	1	1	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.41	1	10.2	ug/L
91-57-6	2-Methylnaphthalene	96.8	E	0.33	1	10.2	ug/L
77-47-4	Hexachlorocyclopentadiene	1	U	0.24	1	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.57	1	10.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.41	1	10.2	ug/L
92-52-4	1,1-Biphenyl	3.7	J	0.15	1	10.2	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10.2	ug/L
88-74-4	2-Nitroaniline	1	U	0.5	1	10.2	ug/L
131-11-3	Dimethylphthalate	3.6	J	0.22	1	10.2	ug/L
208-96-8	Acenaphthylene	1	U	0.71	1	10.2	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.33	1	10.2	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086684.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10.2	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10.2	ug/L
51-28-5	2,4-Dinitrophenol	8.2	U	2.1	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	5.1	U	2	5.1	10.2	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10.2	ug/L
84-66-2	Diethylphthalate	1	U	0.39	1	10.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10.2	ug/L
86-73-7	Fluorene	1	U	0.32	1	10.2	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.76	2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.61	1	10.2	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10.2	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10.2	ug/L
1912-24-9	Atrazine	1	U	0.41	1	10.2	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10.2	ug/L
85-01-8	Phenanthrene	1	U	0.27	1	10.2	ug/L
120-12-7	Anthracene	1	U	0.16	1	10.2	ug/L
86-74-8	Carbazole	1	U	0.22	1	10.2	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10.2	ug/L
206-44-0	Fluoranthene	1	U	0.41	1	10.2	ug/L
129-00-0	Pyrene	1	U	0.2	1	10.2	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10.2	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10.2	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10.2	ug/L
218-01-9	Chrysene	1	U	0.18	1	10.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10.2	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.52	1	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1	U	0.3	1	10.2	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10.2	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.43	1	10.2	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086684.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.3	1	10.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	26.4		10 - 130		18%	SPK: 150
13127-88-3	Phenol-d6	29.4		10 - 130		20%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.8		36 - 131		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.7		39 - 131		88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155		94%	SPK: 150
1718-51-0	Terphenyl-d14	73.3		23 - 130		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175148	6.76				
1146-65-2	Naphthalene-d8	730547	8.32				
15067-26-2	Acenaphthene-d10	366271	10.45				
1517-22-2	Phenanthrene-d10	556933	12.25				
1719-03-5	Chrysene-d12	515418	15.47				
1520-96-3	Perylene-d12	465566	17.08				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3.5	J			1.49	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	3.4	J			2.39	ug/L
000560-21-4	Pentane, 2,3,3-trimethyl-	4.2	J			2.5	ug/L
000544-25-2	1,3,5-Cycloheptatriene	15	J			2.72	ug/L
061142-07-2	Cyclopentene, 1-ethenyl-3-methylen	99.8	J			5.38	ug/L
000098-82-8	Benzene, (1-methylethyl)-	5.7	J			5.71	ug/L
000103-65-1	Benzene, propyl-	13.5	J			6.09	ug/L
000108-67-8	Benzene, 1,3,5-trimethyl-	21.5	J			6.3	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	59.7	J			6.6	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	20.4	J			6.85	ug/L
000496-11-7	Indane	12.2	J			6.99	ug/L
001074-43-7	Benzene, 1-methyl-3-propyl-	5.2	J			7.12	ug/L
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	10.7	J			7.18	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	4.6	J			7.35	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086684.D	1	07/02/14	07/05/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	3.8	J			7.38	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	5.6	J			7.72	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	6.9	J			7.76	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	9.7	J			8.01	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13DL	SDG No.:	F2981
Lab Sample ID:	F2981-03DL	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072405.D	10	07/02/14	07/08/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10.2	UD	7.9	10.2	100	ug/L
108-95-2	Phenol	10.2	UD	2.1	10.2	100	ug/L
111-44-4	bis(2-Chloroethyl)ether	10.2	UD	5.6	10.2	100	ug/L
95-57-8	2-Chlorophenol	10.2	UD	5.5	10.2	100	ug/L
95-48-7	2-Methylphenol	10.2	UD	2.4	10.2	100	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10.2	UD	1.7	10.2	100	ug/L
98-86-2	Acetophenone	10.2	UD	1.4	10.2	100	ug/L
65794-96-9	3+4-Methylphenols	10.2	UD	3.9	10.2	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	10.2	UD	2	10.2	100	ug/L
67-72-1	Hexachloroethane	10.2	UD	2.6	10.2	100	ug/L
98-95-3	Nitrobenzene	10.2	UD	6.9	10.2	100	ug/L
78-59-1	Isophorone	10.2	UD	3.1	10.2	100	ug/L
88-75-5	2-Nitrophenol	10.2	UD	5.3	10.2	100	ug/L
105-67-9	2,4-Dimethylphenol	10.2	UD	7.2	10.2	100	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	UD	5.6	10.2	100	ug/L
120-83-2	2,4-Dichlorophenol	10.2	UD	6.7	10.2	100	ug/L
91-20-3	Naphthalene	390	D	1.2	10.2	100	ug/L
106-47-8	4-Chloroaniline	10.2	UD	10.2	10.2	100	ug/L
87-68-3	Hexachlorobutadiene	10.2	UD	2.6	10.2	100	ug/L
105-60-2	Caprolactam	10.2	UD	10.2	10.2	100	ug/L
59-50-7	4-Chloro-3-methylphenol	10.2	UD	4.1	10.2	100	ug/L
91-57-6	2-Methylnaphthalene	110	D	3.3	10.2	100	ug/L
77-47-4	Hexachlorocyclopentadiene	10.2	UD	2.4	10.2	100	ug/L
88-06-2	2,4,6-Trichlorophenol	10.2	UD	5.7	10.2	100	ug/L
95-95-4	2,4,5-Trichlorophenol	10.2	UD	4.1	10.2	100	ug/L
92-52-4	1,1-Biphenyl	10.2	UD	1.5	10.2	100	ug/L
91-58-7	2-Chloronaphthalene	10.2	UD	1.6	10.2	100	ug/L
88-74-4	2-Nitroaniline	10.2	UD	5	10.2	100	ug/L
131-11-3	Dimethylphthalate	10.2	UD	2.2	10.2	100	ug/L
208-96-8	Acenaphthylene	10.2	UD	7.1	10.2	100	ug/L
606-20-2	2,6-Dinitrotoluene	10.2	UD	3.3	10.2	100	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13DL	SDG No.:	F2981
Lab Sample ID:	F2981-03DL	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072405.D	10	07/02/14	07/08/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10.2	UD	10.2	10.2	100	ug/L
83-32-9	Acenaphthene	10.2	UD	2.1	10.2	100	ug/L
51-28-5	2,4-Dinitrophenol	81.6	UD	21.4	81.6	100	ug/L
100-02-7	4-Nitrophenol	51	UD	20.4	51	100	ug/L
132-64-9	Dibenzofuran	10.2	UD	2.4	10.2	100	ug/L
121-14-2	2,4-Dinitrotoluene	10.2	UD	10.2	10.2	100	ug/L
84-66-2	Diethylphthalate	10.2	UD	3.9	10.2	100	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10.2	UD	2.1	10.2	100	ug/L
86-73-7	Fluorene	10.2	UD	3.2	10.2	100	ug/L
100-01-6	4-Nitroaniline	20.4	UD	13.9	20.4	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	20.4	UD	7.6	20.4	100	ug/L
86-30-6	n-Nitrosodiphenylamine	10.2	UD	6.1	10.2	100	ug/L
101-55-3	4-Bromophenyl-phenylether	10.2	UD	2.3	10.2	100	ug/L
118-74-1	Hexachlorobenzene	10.2	UD	1.8	10.2	100	ug/L
1912-24-9	Atrazine	10.2	UD	4.1	10.2	100	ug/L
87-86-5	Pentachlorophenol	10.2	UD	10.2	10.2	100	ug/L
85-01-8	Phenanthrene	10.2	UD	2.7	10.2	100	ug/L
120-12-7	Anthracene	10.2	UD	1.6	10.2	100	ug/L
86-74-8	Carbazole	10.2	UD	2.2	10.2	100	ug/L
84-74-2	Di-n-butylphthalate	10.2	UD	10.2	10.2	100	ug/L
206-44-0	Fluoranthene	10.2	UD	4.1	10.2	100	ug/L
129-00-0	Pyrene	10.2	UD	2	10.2	100	ug/L
85-68-7	Butylbenzylphthalate	10.2	UD	1.9	10.2	100	ug/L
91-94-1	3,3-Dichlorobenzidine	10.2	UD	10.2	10.2	100	ug/L
56-55-3	Benzo(a)anthracene	10.2	UD	1.6	10.2	100	ug/L
218-01-9	Chrysene	10.2	UD	1.8	10.2	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	10.2	UD	1.6	10.2	100	ug/L
117-84-0	Di-n-octyl phthalate	10.2	UD	5.2	10.2	100	ug/L
205-99-2	Benzo(b)fluoranthene	10.2	UD	3	10.2	100	ug/L
207-08-9	Benzo(k)fluoranthene	10.2	UD	1.8	10.2	100	ug/L
50-32-8	Benzo(a)pyrene	10.2	UD	1.4	10.2	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	UD	1.5	10.2	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	10.2	UD	4.3	10.2	100	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13DL	SDG No.:	F2981
Lab Sample ID:	F2981-03DL	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF072405.D	10	07/02/14	07/08/14	PB77579

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10.2	UD	3	10.2	100	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.2	UD	2	10.2	100	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10.2	UD	2	10.2	100	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	69		10 - 130		46%	SPK: 150
13127-88-3	Phenol-d6	44.8		10 - 130		30%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		36 - 131		92%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		39 - 131		101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		25 - 155		80%	SPK: 150
1718-51-0	Terphenyl-d14	99.9		23 - 130		100%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56456	7.05				
1146-65-2	Naphthalene-d8	245510	8.63				
15067-26-2	Acenaphthene-d10	134713	10.79				
1517-22-2	Phenanthrene-d10	237322	12.62				
1719-03-5	Chrysene-d12	276471	15.88				
1520-96-3	Perylene-d12	254800	17.53				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016973.D	50		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	U	10	10	50	ug/L
74-87-3	Chloromethane	10	U	10	10	50	ug/L
75-01-4	Vinyl Chloride	10	U	10	10	50	ug/L
74-83-9	Bromomethane	10	U	10	10	50	ug/L
75-00-3	Chloroethane	25	U	10	25	50	ug/L
75-69-4	Trichlorofluoromethane	10	U	10	10	50	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	10	10	50	ug/L
75-35-4	1,1-Dichloroethene	10	U	10	10	50	ug/L
67-64-1	Acetone	50	U	25	50	250	ug/L
75-15-0	Carbon Disulfide	10	U	10	10	50	ug/L
1634-04-4	Methyl tert-butyl Ether	25	U	17.5	25	50	ug/L
79-20-9	Methyl Acetate	25	U	10	25	50	ug/L
75-09-2	Methylene Chloride	10	U	10	10	50	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	10	10	50	ug/L
75-34-3	1,1-Dichloroethane	10	U	10	10	50	ug/L
110-82-7	Cyclohexane	10	U	10	10	50	ug/L
78-93-3	2-Butanone	130	U	66	130	250	ug/L
56-23-5	Carbon Tetrachloride	10	U	10	10	50	ug/L
156-59-2	cis-1,2-Dichloroethene	10	U	10	10	50	ug/L
74-97-5	Bromochloromethane	25	U	10	25	50	ug/L
67-66-3	Chloroform	10	U	10	10	50	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	10	10	50	ug/L
108-87-2	Methylcyclohexane	130		10	10	50	ug/L
71-43-2	Benzene	10	U	10	10	50	ug/L
107-06-2	1,2-Dichloroethane	10	U	10	10	50	ug/L
79-01-6	Trichloroethene	10	U	10	10	50	ug/L
78-87-5	1,2-Dichloropropane	10	U	10	10	50	ug/L
75-27-4	Bromodichloromethane	10	U	10	10	50	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	50	50	250	ug/L
108-88-3	Toluene	530		10	10	50	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	10	10	50	ug/L

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016973.D	50		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	10	U	10	10	50	ug/L
79-00-5	1,1,2-Trichloroethane	10	U	10	10	50	ug/L
591-78-6	2-Hexanone	130	U	97	130	250	ug/L
124-48-1	Dibromochloromethane	10	U	10	10	50	ug/L
106-93-4	1,2-Dibromoethane	10	U	10	10	50	ug/L
127-18-4	Tetrachloroethene	10	U	10	10	50	ug/L
108-90-7	Chlorobenzene	10	U	10	10	50	ug/L
100-41-4	Ethyl Benzene	4600		10	10	50	ug/L
179601-23-1	m/p-Xylenes	13800		20	20	100	ug/L
95-47-6	o-Xylene	5100		10	10	50	ug/L
100-42-5	Styrene	10	U	10	10	50	ug/L
75-25-2	Bromoform	10	U	10	10	50	ug/L
98-82-8	Isopropylbenzene	130		10	10	50	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	10	50	ug/L
103-65-1	n-propylbenzene	400		10	10	50	ug/L
108-67-8	1,3,5-Trimethylbenzene	750		10	10	50	ug/L
98-06-6	tert-Butylbenzene	10	U	10	10	50	ug/L
95-63-6	1,2,4-Trimethylbenzene	2600		10	10	50	ug/L
135-98-8	sec-Butylbenzene	30	J	10	10	50	ug/L
99-87-6	p-Isopropyltoluene	14.5	J	10	10	50	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	10	10	50	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	10	10	50	ug/L
104-51-8	n-Butylbenzene	10	U	10	10	50	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	10	10	50	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	10	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	10	10	50	ug/L
91-20-3	Naphthalene	500		10	10	50	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	U	10	10	50	ug/L
123-91-1	1,4-Dioxane	5000	U	5000	5000	5000	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.5		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		69 - 133		87%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN016973.D	50		07/03/14	VN070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	46.1		65 - 126		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.8		58 - 135		122%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	247036	7.87				
540-36-3	1,4-Difluorobenzene	409453	8.79				
3114-55-4	Chlorobenzene-d5	429320	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	218148	13.56				
TENTATIVE IDENTIFIED COMPOUNDS							
000078-78-4	Butane, 2-methyl-	2500	J			2.88	ug/L
000107-83-5	Pentane, 2-methyl-	560	J			4.81	ug/L
000096-14-0	Pentane, 3-methyl-	460	J			5.29	ug/L
000096-37-7	Cyclopentane, methyl-	450	J			6.88	ug/L
000590-73-8	Hexane, 2,2-dimethyl-	1400	J			8.42	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	560	J			9.72	ug/L
000560-21-4	Pentane, 2,3,3-trimethyl-	890	J			9.85	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	1900	J			12.86	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	700	J			13.1	ug/L
000873-49-4	Benzene, cyclopropyl-	430	J			13.76	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14 13:00
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
		% Solid:	86.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.143	U	1	0.038	0.143	0.285	mg/Kg	07/02/14	07/02/14 16:28	9012B
Hexavalent Chromium	0.092	J	1	0.092	0.229	0.458	mg/Kg	07/02/14	07/02/14 15:37	7196A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	13.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE010374.D	1	07/02/14	07/07/14	PB77580

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	19.2	U	15.3	19.2	77	ug/Kg
120-36-5	DICHLORPROP	19.2	U	14.2	19.2	77	ug/Kg
94-75-7	2,4-D	19.2	U	19.2	19.2	77	ug/Kg
93-72-1	2,4,5-TP (Silvex)	19.2	U	12.5	19.2	77	ug/Kg
93-76-5	2,4,5-T	19.2	U	11.8	19.2	77	ug/Kg
94-82-6	2,4-DB	19.2	U	19.2	19.2	77	ug/Kg
88-85-7	DINOSEB	19.2	U	19.2	19.2	77	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	322		12 - 189		65%	SPK: 500

U = Not Detected

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LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.2	UN	1	0.538	1.2	2.4	mg/Kg	07/02/14	07/02/14	SW6010
7440-38-2	Arsenic	2.25		1	0.317	0.481	0.961	mg/Kg	07/02/14	07/02/14	SW6010
7440-39-3	Barium	33.8		1	0.384	2.4	4.81	mg/Kg	07/02/14	07/02/14	SW6010
7440-41-7	Beryllium	0.54		1	0.058	0.144	0.288	mg/Kg	07/02/14	07/02/14	SW6010
7440-43-9	Cadmium	0.144	U	1	0.058	0.144	0.288	mg/Kg	07/02/14	07/02/14	SW6010
7440-47-3	Chromium	14.9		1	0.125	0.24	0.481	mg/Kg	07/02/14	07/02/14	SW6010
7440-48-4	Cobalt	9.04		1	0.548	0.721	1.44	mg/Kg	07/02/14	07/02/14	SW6010
7440-50-8	Copper	27.1		1	0.308	0.481	0.961	mg/Kg	07/02/14	07/02/14	SW6010
7439-92-1	Lead	11.1	N	1	0.115	0.288	0.577	mg/Kg	07/02/14	07/02/14	SW6010
7439-96-5	Manganese	194		1	0.183	0.481	0.961	mg/Kg	07/02/14	07/02/14	SW6010
7439-97-6	Mercury	0.01	J	1	0.005	0.005	0.011	mg/Kg	07/02/14	07/03/14	SW7471A
7440-02-0	Nickel	24.8		1	0.442	0.961	1.92	mg/Kg	07/02/14	07/02/14	SW6010
7782-49-2	Selenium	0.716	J	1	0.394	0.481	0.961	mg/Kg	07/02/14	07/02/14	SW6010
7440-22-4	Silver	0.791		1	0.144	0.24	0.481	mg/Kg	07/02/14	07/02/14	SW6010
7440-28-0	Thallium	0.961	U	1	0.26	0.961	1.92	mg/Kg	07/02/14	07/02/14	SW6010
7440-62-2	Vanadium	15.8		1	0.567	0.961	1.92	mg/Kg	07/02/14	07/02/14	SW6010
7440-66-6	Zinc	64.5		1	0.673	0.961	1.92	mg/Kg	07/02/14	07/02/14	SW6010

Color Before:	Gray	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC017866.D	1	07/02/14	07/04/14	PB77586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	3.8	U	3.8	3.8	19.6	ug/kg
11104-28-2	Aroclor-1221	3.8	U	3.8	3.8	19.6	ug/kg
11141-16-5	Aroclor-1232	3.8	U	3.8	3.8	19.6	ug/kg
53469-21-9	Aroclor-1242	3.8	U	3.8	3.8	19.6	ug/kg
12672-29-6	Aroclor-1248	3.8	U	3.8	3.8	19.6	ug/kg
11097-69-1	Aroclor-1254	3.8	U	1.7	3.8	19.6	ug/kg
11096-82-5	Aroclor-1260	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	11.1		10 - 166		56%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		60 - 125		64%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	13.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023271.D	1	07/02/14	07/03/14	PB77585

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.38	U	0.15	0.38	2	ug/kg
319-85-7	beta-BHC	0.38	U	0.207	0.38	2	ug/kg
319-86-8	delta-BHC	0.38	U	0.115	0.38	2	ug/kg
58-89-9	gamma-BHC (Lindane)	0.38	U	0.173	0.38	2	ug/kg
76-44-8	Heptachlor	0.38	U	0.161	0.38	2	ug/kg
309-00-2	Aldrin	0.38	U	0.115	0.38	2	ug/kg
1024-57-3	Heptachlor epoxide	0.38	U	0.184	0.38	2	ug/kg
959-98-8	Endosulfan I	0.38	U	0.173	0.38	2	ug/kg
60-57-1	Dieldrin	0.38	U	0.15	0.38	2	ug/kg
72-55-9	4,4-DDE	0.38	U	0.23	0.38	2	ug/kg
72-20-8	Endrin	0.38	U	0.207	0.38	2	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.161	0.38	2	ug/kg
72-54-8	4,4-DDD	0.38	U	0.196	0.38	2	ug/kg
1031-07-8	Endosulfan Sulfate	0.38	U	0.173	0.38	2	ug/kg
50-29-3	4,4-DDT	0.38	U	0.161	0.38	2	ug/kg
72-43-5	Methoxychlor	0.38	U	0.196	0.38	2	ug/kg
53494-70-5	Endrin ketone	0.38	U	0.15	0.38	2	ug/kg
7421-93-4	Endrin aldehyde	0.38	U	0.173	0.38	2	ug/kg
5103-71-9	alpha-Chlordane	0.38	U	0.161	0.38	2	ug/kg
5103-74-2	gamma-Chlordane	0.38	U	0.15	0.38	2	ug/kg
8001-35-2	Toxaphene	3.8	U	3.8	3.8	19.6	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.2		10 - 169		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20		31 - 151		100%	SPK: 20



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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14		
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14		
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981		
Lab Sample ID:	F2981-04	Matrix:	SOIL		
Analytical Method:	SW8081	% Moisture:	13.3	Decanted:	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD023271.D	1	07/02/14	07/03/14	PB77585

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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P = Indicates >25% difference for detected concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086686.D	1	07/02/14	07/05/14	PB77587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	38.4	U	20.1	38.4	380	ug/Kg
108-95-2	Phenol	38.4	U	8.9	38.4	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.4	U	18.4	38.4	380	ug/Kg
95-57-8	2-Chlorophenol	38.4	U	20.3	38.4	380	ug/Kg
95-48-7	2-Methylphenol	38.4	U	20.9	38.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.4	U	15.9	38.4	380	ug/Kg
98-86-2	Acetophenone	38.4	U	11.8	38.4	380	ug/Kg
65794-96-9	3+4-Methylphenols	38.4	U	19.9	38.4	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.4	U	19.4	38.4	380	ug/Kg
67-72-1	Hexachloroethane	38.4	U	17.2	38.4	380	ug/Kg
98-95-3	Nitrobenzene	38.4	U	14.5	38.4	380	ug/Kg
78-59-1	Isophorone	38.4	U	12.7	38.4	380	ug/Kg
88-75-5	2-Nitrophenol	38.4	U	18.6	38.4	380	ug/Kg
105-67-9	2,4-Dimethylphenol	89.6	J	21.8	38.4	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.4	U	22.1	38.4	380	ug/Kg
120-83-2	2,4-Dichlorophenol	38.4	U	14.6	38.4	380	ug/Kg
91-20-3	Naphthalene	710		13.3	38.4	380	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	27.1	38.4	380	ug/Kg
87-68-3	Hexachlorobutadiene	38.4	U	14	38.4	380	ug/Kg
105-60-2	Caprolactam	76.9	U	17.9	76.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	38.4	U	17.1	38.4	380	ug/Kg
91-57-6	2-Methylnaphthalene	750		9.7	38.4	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	38.4	U	9.3	38.4	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	38.4	U	11.8	38.4	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.4	U	27	38.4	380	ug/Kg
92-52-4	1,1-Biphenyl	38.4	U	14.5	38.4	380	ug/Kg
91-58-7	2-Chloronaphthalene	38.4	U	8.8	38.4	380	ug/Kg
88-74-4	2-Nitroaniline	38.4	U	17.1	38.4	380	ug/Kg
131-11-3	Dimethylphthalate	510		10.4	38.4	380	ug/Kg
208-96-8	Acenaphthylene	38.4	U	9.7	38.4	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.4	U	15.7	38.4	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086686.D	1	07/02/14	07/05/14	PB77587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	76.9	U	24.7	76.9	380	ug/Kg
83-32-9	Acenaphthene	38.4	U	10.8	38.4	380	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	39.1	310	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	71.4	190	380	ug/Kg
132-64-9	Dibenzofuran	38.4	U	15	38.4	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	38.4	U	11.5	38.4	380	ug/Kg
84-66-2	Diethylphthalate	38.4	U	6	38.4	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	38.4	U	20.9	38.4	380	ug/Kg
86-73-7	Fluorene	38.4	U	14.5	38.4	380	ug/Kg
100-01-6	4-Nitroaniline	76.9	U	50	76.9	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	22	190	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.4	U	9.2	38.4	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38.4	U	7.5	38.4	380	ug/Kg
118-74-1	Hexachlorobenzene	38.4	U	15.7	38.4	380	ug/Kg
1912-24-9	Atrazine	38.4	U	20.3	38.4	380	ug/Kg
87-86-5	Pentachlorophenol	38.4	U	26.3	38.4	380	ug/Kg
85-01-8	Phenanthrene	38.4	U	10.4	38.4	380	ug/Kg
120-12-7	Anthracene	38.4	U	7.8	38.4	380	ug/Kg
86-74-8	Carbazole	38.4	U	8.4	38.4	380	ug/Kg
84-74-2	Di-n-butylphthalate	38.4	U	30.2	38.4	380	ug/Kg
206-44-0	Fluoranthene	38.4	U	7.7	38.4	380	ug/Kg
129-00-0	Pyrene	38.4	U	9.2	38.4	380	ug/Kg
85-68-7	Butylbenzylphthalate	38.4	U	18.4	38.4	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.4	U	24.7	38.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	38.4	U	18.3	38.4	380	ug/Kg
218-01-9	Chrysene	38.4	U	17.4	38.4	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	38.4	U	13.6	38.4	380	ug/Kg
117-84-0	Di-n-octyl phthalate	38.4	U	4.4	38.4	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	38.4	U	12.6	38.4	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	38.4	U	18.1	38.4	380	ug/Kg
50-32-8	Benzo(a)pyrene	38.4	U	8.3	38.4	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	38.4	U	12.8	38.4	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38.4	U	11.1	38.4	380	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086686.D	1	07/02/14	07/05/14	PB77587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	38.4	U	15.6	38.4	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38.4	U	15.1	38.4	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38.4	U	15.1	38.4	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.8		28 - 127		55%	SPK: 150
13127-88-3	Phenol-d6	78.3		34 - 127		52%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.3		31 - 132		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.7		39 - 123		45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.3		30 - 133		56%	SPK: 150
1718-51-0	Terphenyl-d14	37.3		37 - 115		37%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	184855	6.74				
1146-65-2	Naphthalene-d8	798903	8.31				
15067-26-2	Acenaphthene-d10	404142	10.45				
1517-22-2	Phenanthrene-d10	614743	12.25				
1719-03-5	Chrysene-d12	563778	15.47				
1520-96-3	Perylene-d12	542170	17.07				
TENTATIVE IDENTIFIED COMPOUNDS							
000540-84-1	Pentane, 2,2,4-trimethyl-	1600	J			1.58	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	1500	J			2.39	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	1700	J			2.5	ug/Kg
000592-27-8	Heptane, 2-methyl-	870	J			2.68	ug/Kg
000589-81-1	Heptane, 3-methyl-	860	J			2.83	ug/Kg
000111-65-9	Octane	770	J			3.5	ug/Kg
000103-65-1	Benzene, propyl-	1600	J			6.07	ug/Kg
000526-73-8	Benzene, 1,2,3-trimethyl-	2600	J			6.26	ug/Kg
	unknown6.46	2300	J			6.46	ug/Kg
000108-67-8	Benzene, 1,3,5-trimethyl-	6300	J			6.54	ug/Kg
000095-63-6	Benzene, 1,2,4-trimethyl-	1900	J			6.82	ug/Kg
000135-01-3	Benzene, 1,2-diethyl-	900	J			7.07	ug/Kg
001074-43-7	Benzene, 1-methyl-3-propyl-	1300	J			7.11	ug/Kg
000141-93-5	Benzene, 1,3-diethyl-	2900	J			7.16	ug/Kg

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE086686.D	1	07/02/14	07/05/14	PB77587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	930	J			7.35	ug/Kg
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	850	J			7.37	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)DL	SDG No.:	F2981
Lab Sample ID:	F2981-04DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013981.D	20		07/07/14	VR070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	210	UD	210	210	2100	ug/Kg
74-87-3	Chloromethane	210	UD	210	210	2100	ug/Kg
75-01-4	Vinyl Chloride	210	UD	210	210	2100	ug/Kg
74-83-9	Bromomethane	410	UD	410	410	2100	ug/Kg
75-00-3	Chloroethane	210	UD	210	210	2100	ug/Kg
75-69-4	Trichlorofluoromethane	210	UD	210	210	2100	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	210	UD	210	210	2100	ug/Kg
75-35-4	1,1-Dichloroethene	210	UD	210	210	2100	ug/Kg
67-64-1	Acetone	1000	UD	1000	1000	10300	ug/Kg
75-15-0	Carbon Disulfide	210	UD	210	210	2100	ug/Kg
1634-04-4	Methyl tert-butyl Ether	210	UD	210	210	2100	ug/Kg
79-20-9	Methyl Acetate	410	UD	410	410	2100	ug/Kg
75-09-2	Methylene Chloride	210	UD	210	210	2100	ug/Kg
156-60-5	trans-1,2-Dichloroethene	210	UD	210	210	2100	ug/Kg
75-34-3	1,1-Dichloroethane	210	UD	210	210	2100	ug/Kg
110-82-7	Cyclohexane	210	UD	210	210	2100	ug/Kg
78-93-3	2-Butanone	3100	UD	1300	3100	10300	ug/Kg
56-23-5	Carbon Tetrachloride	210	UD	210	210	2100	ug/Kg
156-59-2	cis-1,2-Dichloroethene	210	UD	210	210	2100	ug/Kg
74-97-5	Bromochloromethane	210	UD	210	210	2100	ug/Kg
67-66-3	Chloroform	210	UD	210	210	2100	ug/Kg
71-55-6	1,1,1-Trichloroethane	210	UD	210	210	2100	ug/Kg
108-87-2	Methylcyclohexane	210	UD	210	210	2100	ug/Kg
71-43-2	Benzene	210	UD	160	210	2100	ug/Kg
107-06-2	1,2-Dichloroethane	210	UD	210	210	2100	ug/Kg
79-01-6	Trichloroethene	210	UD	210	210	2100	ug/Kg
78-87-5	1,2-Dichloropropane	210	UD	110	210	2100	ug/Kg
75-27-4	Bromodichloromethane	210	UD	210	210	2100	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1000	UD	1000	1000	10300	ug/Kg
108-88-3	Toluene	210	UD	210	210	2100	ug/Kg
10061-02-6	t-1,3-Dichloropropene	210	UD	210	210	2100	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)DL	SDG No.:	F2981
Lab Sample ID:	F2981-04DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013981.D	20		07/07/14	VR070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	210	UD	210	210	2100	ug/Kg
79-00-5	1,1,2-Trichloroethane	410	UD	370	410	2100	ug/Kg
591-78-6	2-Hexanone	1000	UD	1000	1000	10300	ug/Kg
124-48-1	Dibromochloromethane	210	UD	210	210	2100	ug/Kg
106-93-4	1,2-Dibromoethane	210	UD	210	210	2100	ug/Kg
127-18-4	Tetrachloroethene	210	UD	210	210	2100	ug/Kg
108-90-7	Chlorobenzene	210	UD	210	210	2100	ug/Kg
100-41-4	Ethyl Benzene	13500	D	210	210	2100	ug/Kg
179601-23-1	m/p-Xylenes	43800	D	300	410	4100	ug/Kg
95-47-6	o-Xylene	12700	D	210	210	2100	ug/Kg
100-42-5	Styrene	210	UD	190	210	2100	ug/Kg
75-25-2	Bromoform	620	UD	300	620	2100	ug/Kg
98-82-8	Isopropylbenzene	1500	JD	200	210	2100	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	210	UD	190	210	2100	ug/Kg
103-65-1	n-propylbenzene	6800	D	150	210	2100	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	11000	D	190	210	2100	ug/Kg
98-06-6	tert-Butylbenzene	210	UD	210	210	2100	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	33600	D	210	210	2100	ug/Kg
135-98-8	sec-Butylbenzene	1300	JD	210	210	2100	ug/Kg
99-87-6	p-Isopropyltoluene	460	JD	120	210	2100	ug/Kg
541-73-1	1,3-Dichlorobenzene	210	UD	150	210	2100	ug/Kg
106-46-7	1,4-Dichlorobenzene	210	UD	170	210	2100	ug/Kg
104-51-8	n-Butylbenzene	2300	D	190	210	2100	ug/Kg
95-50-1	1,2-Dichlorobenzene	210	UD	210	210	2100	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2100	UD	360	2100	2100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	210	UD	210	210	2100	ug/Kg
91-20-3	Naphthalene	5700	D	190	210	2100	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	410	UD	210	410	2100	ug/Kg
123-91-1	1,4-Dioxane	41200	UD	41200	41200	41200	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		56 - 120		105%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		57 - 135		89%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)DL	SDG No.:	F2981
Lab Sample ID:	F2981-04DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013981.D	20		07/07/14	VR070714

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	49.3		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		33 - 141		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1905500	7.49				
540-36-3	1,4-Difluorobenzene	2858240	8.43				
3114-55-4	Chlorobenzene-d5	2365200	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	933213	13.22				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013966.D	1		07/04/14	VR070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.3	U	10.3	10.3	100	ug/Kg
74-87-3	Chloromethane	10.3	U	10.3	10.3	100	ug/Kg
75-01-4	Vinyl Chloride	10.3	U	10.3	10.3	100	ug/Kg
74-83-9	Bromomethane	20.6	U	20.6	20.6	100	ug/Kg
75-00-3	Chloroethane	10.3	U	10.3	10.3	100	ug/Kg
75-69-4	Trichlorofluoromethane	10.3	U	10.3	10.3	100	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10.3	U	10.3	10.3	100	ug/Kg
75-35-4	1,1-Dichloroethene	10.3	U	10.3	10.3	100	ug/Kg
67-64-1	Acetone	51.5	U	51.5	51.5	510	ug/Kg
75-15-0	Carbon Disulfide	10.3	U	10.3	10.3	100	ug/Kg
1634-04-4	Methyl tert-butyl Ether	10.3	U	10.3	10.3	100	ug/Kg
79-20-9	Methyl Acetate	20.6	U	20.6	20.6	100	ug/Kg
75-09-2	Methylene Chloride	10.3	U	10.3	10.3	100	ug/Kg
156-60-5	trans-1,2-Dichloroethene	10.3	U	10.3	10.3	100	ug/Kg
75-34-3	1,1-Dichloroethane	10.3	U	10.3	10.3	100	ug/Kg
110-82-7	Cyclohexane	10.3	U	10.3	10.3	100	ug/Kg
78-93-3	2-Butanone	150	U	64.1	150	510	ug/Kg
56-23-5	Carbon Tetrachloride	10.3	U	10.3	10.3	100	ug/Kg
156-59-2	cis-1,2-Dichloroethene	10.3	U	10.3	10.3	100	ug/Kg
74-97-5	Bromochloromethane	10.3	U	10.3	10.3	100	ug/Kg
67-66-3	Chloroform	10.3	U	10.3	10.3	100	ug/Kg
71-55-6	1,1,1-Trichloroethane	10.3	U	10.3	10.3	100	ug/Kg
108-87-2	Methylcyclohexane	1300		10.3	10.3	100	ug/Kg
71-43-2	Benzene	10.3	U	7.8	10.3	100	ug/Kg
107-06-2	1,2-Dichloroethane	10.3	U	10.3	10.3	100	ug/Kg
79-01-6	Trichloroethene	10.3	U	10.3	10.3	100	ug/Kg
78-87-5	1,2-Dichloropropane	10.3	U	5.4	10.3	100	ug/Kg
75-27-4	Bromodichloromethane	10.3	U	10.3	10.3	100	ug/Kg
108-10-1	4-Methyl-2-Pentanone	51.5	U	51.5	51.5	510	ug/Kg
108-88-3	Toluene	160		10.3	10.3	100	ug/Kg
10061-02-6	t-1,3-Dichloropropene	10.3	U	10.3	10.3	100	ug/Kg

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013966.D	1		07/04/14	VR070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	10.3	U	10.3	10.3	100	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6	U	18.5	20.6	100	ug/Kg
591-78-6	2-Hexanone	51.5	U	51.5	51.5	510	ug/Kg
124-48-1	Dibromochloromethane	10.3	U	10.3	10.3	100	ug/Kg
106-93-4	1,2-Dibromoethane	10.3	U	10.3	10.3	100	ug/Kg
127-18-4	Tetrachloroethene	10.3	U	10.3	10.3	100	ug/Kg
108-90-7	Chlorobenzene	10.3	U	10.3	10.3	100	ug/Kg
100-41-4	Ethyl Benzene	3400	E	10.3	10.3	100	ug/Kg
179601-23-1	m/p-Xylenes	9800	E	14.8	20.6	210	ug/Kg
95-47-6	o-Xylene	6700	E	10.3	10.3	100	ug/Kg
100-42-5	Styrene	10.3	U	9.3	10.3	100	ug/Kg
75-25-2	Bromoform	30.9	U	15.2	30.9	100	ug/Kg
98-82-8	Isopropylbenzene	1500		9.9	10.3	100	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	10.3	U	9.5	10.3	100	ug/Kg
103-65-1	n-propylbenzene	2400	E	7.4	10.3	100	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3200	E	9.3	10.3	100	ug/Kg
98-06-6	tert-Butylbenzene	10.3	U	10.3	10.3	100	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4900	E	10.3	10.3	100	ug/Kg
135-98-8	sec-Butylbenzene	1300		10.3	10.3	100	ug/Kg
99-87-6	p-Isopropyltoluene	510		6	10.3	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	10.3	U	7.6	10.3	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	10.3	U	8.4	10.3	100	ug/Kg
104-51-8	n-Butylbenzene	2200	E	9.5	10.3	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	10.3	U	10.3	10.3	100	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	17.9	100	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	10.3	U	10.3	10.3	100	ug/Kg
91-20-3	Naphthalene	3100	E	9.3	10.3	100	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6	U	10.3	20.6	100	ug/Kg
123-91-1	1,4-Dioxane	2100	U	2100	2100	2100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49		56 - 120		98%	SPK: 50
1868-53-7	Dibromofluoromethane	42.7		57 - 135		85%	SPK: 50

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GP-13(18-20)	SDG No.:	F2981
Lab Sample ID:	F2981-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.3
Sample Wt/Vol:	14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR013966.D	1		07/04/14	VR070314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
2037-26-5	Toluene-d8	57.8		67 - 123		116%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.3		33 - 141		123%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2036860	7.5				
540-36-3	1,4-Difluorobenzene	3209910	8.43				
3114-55-4	Chlorobenzene-d5	2635850	11.28				
3855-82-1	1,4-Dichlorobenzene-d4	1095250	13.22				
TENTATIVE IDENTIFIED COMPOUNDS							
000564-02-3	Pentane, 2,2,3-trimethyl-	4500	J			8.1	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	3400	J			9.41	ug/Kg
000921-47-1	Hexane, 2,3,4-trimethyl-	4100	J			9.54	ug/Kg
000589-81-1	Heptane, 3-methyl-	2500	J			9.73	ug/Kg
003522-94-9	Hexane, 2,2,5-trimethyl-	1300	J			9.89	ug/Kg
000111-65-9	Octane	2600	J			10.15	ug/Kg
003221-61-2	Octane, 2-methyl-	3500	J			11.07	ug/Kg
002216-33-3	Octane, 3-methyl-	2100	J			11.17	ug/Kg
ABZT	Alkylbenzenes, Total	16000	J			12.46	ug/Kg
017634-51-4	1,3,5-Cycloheptatriene, 7-ethyl-	1700	J			12.53	ug/Kg
000135-01-3	Benzene, 1,2-diethyl-	1700	J			13.46	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

**Report of Analysis**

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-1	SDG No.:	F2981
Lab Sample ID:	F2981-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.54	J	1	0.14	1.0	2	ug/L	07/03/14	07/04/14	SW6020
7440-38-2	Arsenic	1.3		1	0.18	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-39-3	Barium	143		1	0.1	5.0	10	ug/L	07/03/14	07/04/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-43-9	Cadmium	1.1		1	0.13	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-47-3	Chromium	3	*	1	0.04	1.0	2	ug/L	07/03/14	07/04/14	SW6020
7440-48-4	Cobalt	12.3		1	0.05	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-50-8	Copper	8.4		1	0.04	1.0	2	ug/L	07/03/14	07/04/14	SW6020
7439-92-1	Lead	0.099	J	1	0.04	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7439-96-5	Manganese	14400	DN	25	1.3	12.5	25	ug/L	07/03/14	07/04/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/02/14	07/03/14	SW7470A
7440-02-0	Nickel	38.9		1	0.06	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7782-49-2	Selenium	3	J	1	0.7	2.5	5	ug/L	07/03/14	07/04/14	SW6020
7440-22-4	Silver	0.048	J	1	0.03	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-28-0	Thallium	0.025	J	1	0.02	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	07/03/14	07/04/14	SW6020
7440-66-6	Zinc	14.4		1	0.09	1.0	2	ug/L	07/03/14	07/04/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	06/30/14
Project:	NYCSCA Unionport Road Bronx	Date Received:	07/01/14
Client Sample ID:	GW-13	SDG No.:	F2981
Lab Sample ID:	F2981-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.22	J	1	0.14	1.0	2	ug/L	07/03/14	07/04/14	SW6020
7440-38-2	Arsenic	1.9		1	0.18	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-39-3	Barium	68.9		1	0.1	5.0	10	ug/L	07/03/14	07/04/14	SW6020
7440-41-7	Beryllium	0.5	U	1	0.09	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-43-9	Cadmium	0.5	U	1	0.13	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-47-3	Chromium	1.2	J*	1	0.04	1.0	2	ug/L	07/03/14	07/04/14	SW6020
7440-48-4	Cobalt	1.8		1	0.05	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-50-8	Copper	6		1	0.04	1.0	2	ug/L	07/03/14	07/04/14	SW6020
7439-92-1	Lead	0.12	J	1	0.04	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7439-96-5	Manganese	3200	N	1	0.05	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7439-97-6	Mercury	0.1	U	1	0.1	0.1	0.2	ug/L	07/02/14	07/03/14	SW7470A
7440-02-0	Nickel	4.2		1	0.06	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7782-49-2	Selenium	1.8	J	1	0.7	2.5	5	ug/L	07/03/14	07/04/14	SW6020
7440-22-4	Silver	0.5	U	1	0.03	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-28-0	Thallium	0.5	U	1	0.02	0.5	1	ug/L	07/03/14	07/04/14	SW6020
7440-62-2	Vanadium	0.58	J	1	0.15	2.5	5	ug/L	07/03/14	07/04/14	SW6020
7440-66-6	Zinc	4.3		1	0.09	1.0	2	ug/L	07/03/14	07/04/14	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group1			

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OR = Over Range

N = Spiked sample recovery not within control limits

APPENDIX F

SUPPORTING DOCUMENTS



To : Nina Kubota – Vice President, Capital Planning
Through : Stan Dahir, RA - Director, Quality Control & Construction Support Studio - A&E
From : Peter J. Percudani, RA - Design Manager, Quality Control & Construction Support Studio - A&E
Requested Facility : **New Primary / Intermediate School**
Site / Address : 1609 Unionport Road
Bronx, N.Y. 10462 [Block: 3952 / Lots: 1, 7, 8, 17 and 23]
District : 12
Adjusted Capacity : 793 **LLW#:** **091486**
Date : March 6, 2014 **Estimated Cost¹:** **\$73,000,000**

As requested, a "Test Fit / Sketch Study" was initiated in lieu of a Feasibility Study to determine whether or not the subject Site, which has an approximately Lot Area of **70,600 square feet**, could accommodate a **New Primary / Intermediate School with an Adjusted Capacity of 793.**

Please note that this "Test Fit / Sketch Study" is not as informative as a typical Feasibility Study, which would typically provide an overview of an Educational Program of Requirements (POR), describe existing positive and negative site characteristics, topography and geology, zoning, utilities, transportation, traffic and sustainable site development density information as well as a design approach for the school; nor does it include either a "Phase I or II Environmental Site Assessment", a "Geotechnical Report", or a "State Environmental Quality Review (SEQRA) Assessment".

Although various codes, rules and regulations may be noted herein, the principal objective of this *Study* is to assess what may physically be provided at the subject Site and identify, as follows, those issues and concerns that should be given due consideration so that an informed decision may be made by the Feasibility Committee as to whether or not a project should move forward, or if additional research and development is warranted prior to such a decision.

The major **issues** and **concerns** that are associated with the subject Site are as follows:

1. Volume and Type of Local Vehicular Traffic and Traffic Patterns
2. Site and Site Adjacencies (Local Environs)
3. Compliance with NYC Zoning Regulations

cc: L. Grillo	M. La Rocca	B. Barrett	J. O'Connell	A. Lempert	L. Guterman	Anjay Shah
K. Ou	G. Roussey	E. Abneri	C. Liu	M. Gomez	Project File (1)	

¹ "**Estimated Cost**" is based gross square footage provided in the Draft POR, on the "*magnitude*" of the proposed work and does not include the cost of "license agreements" with adjacent property owners for the execution of the work, nor does it include the removal of hazardous materials such as, but not limited to, "asbestos".

1. Volume and Type of Local Vehicular Traffic, and Traffic Patterns

The proposed Site is an entire city block that is bounded four (4) street fronts. The following is a general description of these streets, the type of vehicular traffic and observed traffic patterns:

- **East Tremont Avenue:** Is a wide² two-way street, with a narrow concrete street median, that appears to have moderate traffic that consists of commercial, public (MTA Bus Lines: Bx40 and Bx42) and private vehicles.
- **Unionport Road:** Is a wide two-way street, with a wide tree lined street median, that appears to have moderate traffic that consists of commercial, public (MTA Bus Lines: Bx22, Bx40 and Bx42) and private vehicles. Although the direction of vehicular traffic on this street would be conducive to student drop-off and pick-up during arrival and dismissal times as children would be discharging/boarding busses to/from a sidewalk, the vehicular traffic from school buses and private vehicles may cause traffic congestion on this street.
- **Guerlain Street:** Is a narrow two- one-way street, which appears to have light traffic that consists of commercial and private vehicles.

Although the direction of vehicular traffic on this street would be conducive to student drop-off and pick-up during arrival and dismissal times as children would be discharging/boarding busses to/from a sidewalk, the vehicular traffic from school buses and private vehicles may cause significant congestion on this street.

- **White Plains Road:** Is a wide two-way street, which appears to have moderate traffic that consists of commercial, public (MTA Bus Line: Bx39) and private vehicles.

2. Site and Site Adjacencies (Local Environs)

The Site is an entire "Tax Block", with a gross lot area of **+/- 70,600 square feet** that is bounded by East Tremont Avenue, Unionport Road, Guerlain Street and White Plains Road. The Site is presently utilized by various commercial establishments whose structures vary between one and two stories high. All existing site improvements, including an existing gas service station, would be demolished to facilitate the construction of the proposed school.

- **East Tremont Avenue - North Property/Street Line:** This property/street line is approximately **175-feet** of street frontage with deep sidewalks, metered parking, no street trees, and no overhead utilities.
 - An existing open rail cut for Amtrak/Conrail lines, which is located to the north side of this street, may be within 200-feet of the proposed site and filings may be required with Amtrak/Conrail.
 - There is a Con Edison power station on the north side of the open rail cut.
 - There is an existing gas station on the northeast corner and southeast corner (site) of the street intersection formed by East Tremont Avenue and White Plains Road.
 - There is a bus-stop for two (2) MTA Surface Line Busses (Bx40 and Bx42).
- **Unionport Road - East Property/Street Line:** This property/street line is approximately **310-feet** of street frontage with deep sidewalks, metered parking, no street trees, and no overhead utilities.
 - There is a bus-stop for three (3) MTA Surface Line Busses (Bx22, Bx40 and Bx42), which may require relocation.
 - The wide street median reduces the width of the road bed to the equivalent to that of a narrow street.
 - The wide street median appears to have been recently constructed by NYC/DOT and roadway repair may follow shortly. Hence, coordination may be required with NYC/DOT to ensure that work for the proposed school can be performed in spite of any NYC/DOT moratorium regarding a recently paved street.

² Streets whose width are 75-feet or greater are wide streets; and streets whose width is less than 75-feet are narrow streets.

- **Guerlain Street - South Property/Street Line:** This property/street line is approximately **205-feet** of street frontage with deep sidewalks, metered parking, no street trees, and no overhead utilities.
- **White Plains Road - West Property/Street Line:** This property/street line is approximately **320-feet** of street frontage with deep sidewalks, metered parking, street trees, and no overhead utilities. There is a bus-stop a MTA Surface Line Bus (Bx39).
- During what is deemed a conceptual design phase, the area needed for structural systems and mechanical systems (ducts, pipes, closets, etc...) are not typically accounted for at this level of design, and due to the limited area and constrained dimensions there may be an adverse impact on the final design and the POR when these systems are accounted for in the actual design and development of the subject school.
- For a **PS/IS793** Adjusted Capacity School there appears to be an opportunity for an outdoor play³ area at grade for rest and recreation by the children that may **exceed** what is targeted in a standard educational program of requirements.

Target = 793 students x 30sf/student	= 23,790sf
<u>Conceptual Outdoor Play Yard Area</u>	= 23,800sf
Difference	= 10sf (greater)

3. NYC Zoning Regulations

- The subject Site is located within both a **(R6)**⁴ Residential Zoning District (underlying district) and a **(C1-2 and C8-1)**⁵ Commercial Zoning District (overlying district). Although schools are permitted as-of-right in an R6 and C1-2 Districts, they are not permitted as-of-right in a **C8-1** Commercial District. At this time it is anticipated, at a minimum, that a **“Special Permit”** (“use”); and **“Zoning Waivers”** (“bulk”) would be required for:

ZR24-11(R6)	Lot Coverage (Corner Lots (70%)
ZR24-522(R6) and ZR33-431(C1-2)	Maximum Front Wall Height (60-Feet)

If a project were to move forward, the actual type and need for “Zoning Waivers” would be determined by the project’s final design.

The Plans, Photographs and other attachments that follow are provided to illustrate the above noted issues and concerns, to provide a basis for open discussion, and direction for the possible development of a project. ***Please note that the POR is not an approved Program of Educational Requirements and that the Scheme provided herein is not a final design solution.***

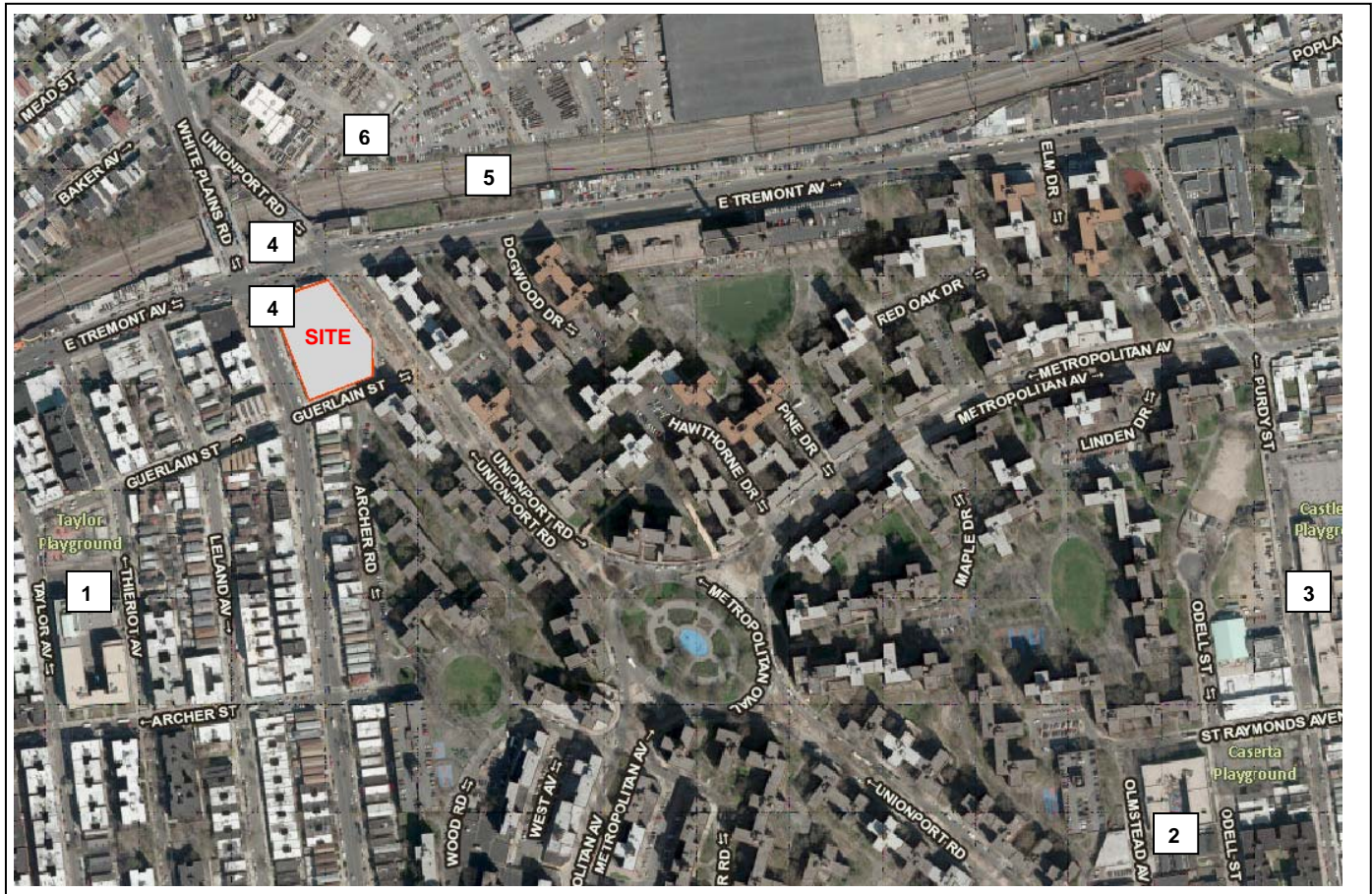
³ **Outdoor Space** - “NYC Health Department and NYS Law” requires a school to have outdoor area for rest and recreation - New York City Rules & Regulations - Title 24 - Health Code, Sections §45:11(h) and §49.13; and NY CLS Educ. 2556(5).

In addition to rest and recreation, when available, open space is typically utilized for the gathering of children during arrival times and for the organized dismissal of the children at the end of each school day.

⁴ **R6 Residential District:** These districts are designed to provide for all types of residential buildings, in order to permit a broad range of housing types, with appropriate standards for each district on density, open space, and spacing of buildings. However, R4B Districts are limited to single- or two-family dwellings, and zero lot line buildings are not permitted in R3-2, R4, (except R4-1 and R4B), and R5 (except R5B) Districts. The various districts are mapped in relation to a desirable future residential density pattern, with emphasis on accessibility to transportation facilities and to various community facilities, and upon the character of existing development. These districts also include community facilities and open uses which serve the residents of these districts or benefit from a residential environment.

⁵ **C1 Local Service Districts** - These districts are designed to provide for local shopping and include a wide range of retail stores and personal service establishments which cater to frequently recurring needs. Since these establishments are required in convenient locations near all residential areas, and since they are relatively unobjectionable to nearby residences, these districts are widely mapped. The district regulations are designed to promote convenient shopping and the stability of retail development by encouraging continuous retail frontage and by prohibiting local service and manufacturing establishments which tend to break such continuity.

C8 General Service Districts: These districts are designed to provide for necessary services for a wider area than is served by the Local Service Districts. Since these service establishments often involve objectionable influences, such as noise from heavy service operations and large volumes of truck traffic, they are incompatible with both residential and retail uses. New residential development is excluded from these districts.



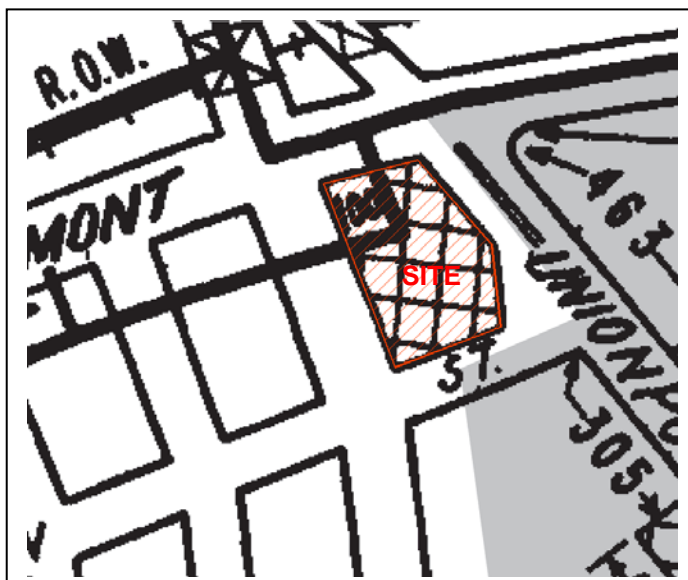
Existing Schools:

1. PS102X - Addition (1993)
2. PS106X - Addition (Under Construction)
3. MS127X

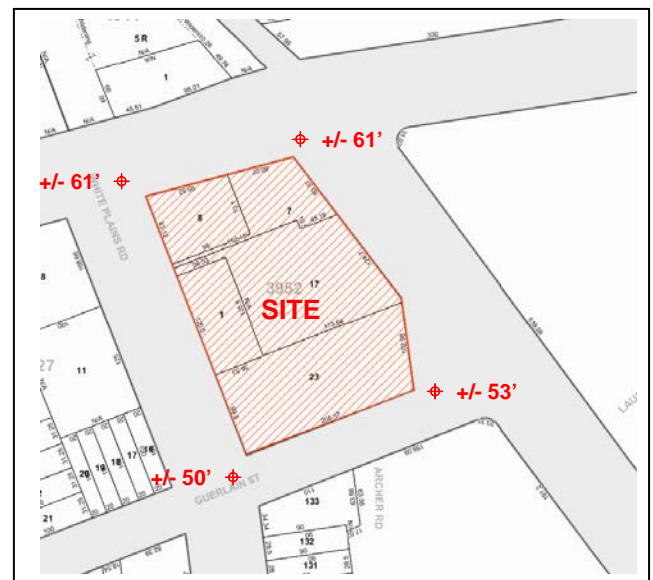
SITE LOCATION PLAN

Other Structures:

4. Gas Service Station
5. Open Rail Line (Amtrak/Conrail)
6. Con Edison Power Station



NYC ZONING MAP (4b)



NYC DIGITAL MAP / LOT ASSEMBLAGE



View looking East on Guerlain Street



View looking West on Guerlain Street

STREET VIEWS



View looking North on Unionport Road



View looking South on Unionport Road

STREET VIEWS



5

View looking West on East Tremont Avenue



6

View looking East on East Tremont Avenue

STREET VIEWS

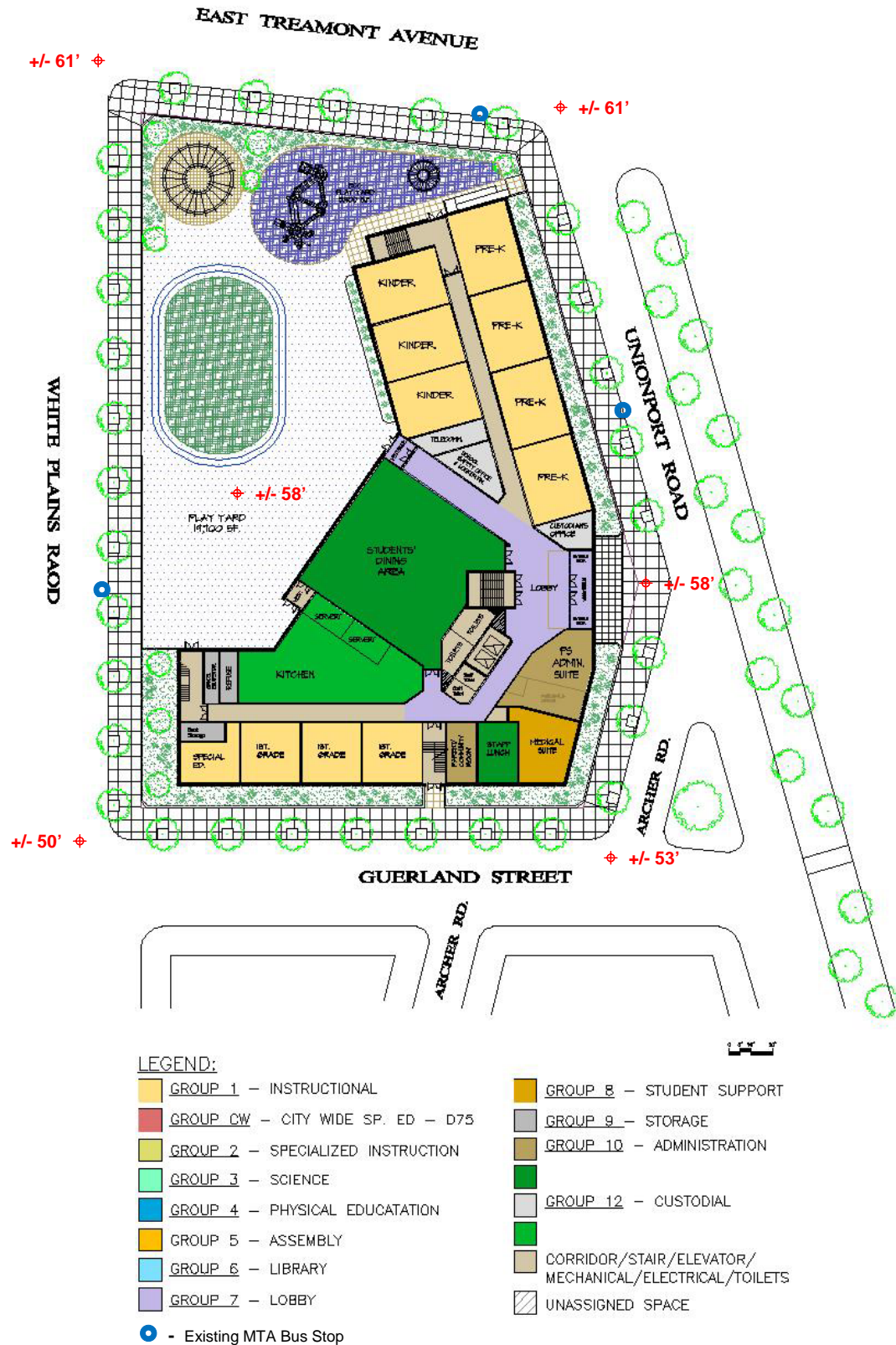


View looking South on White Plains Road

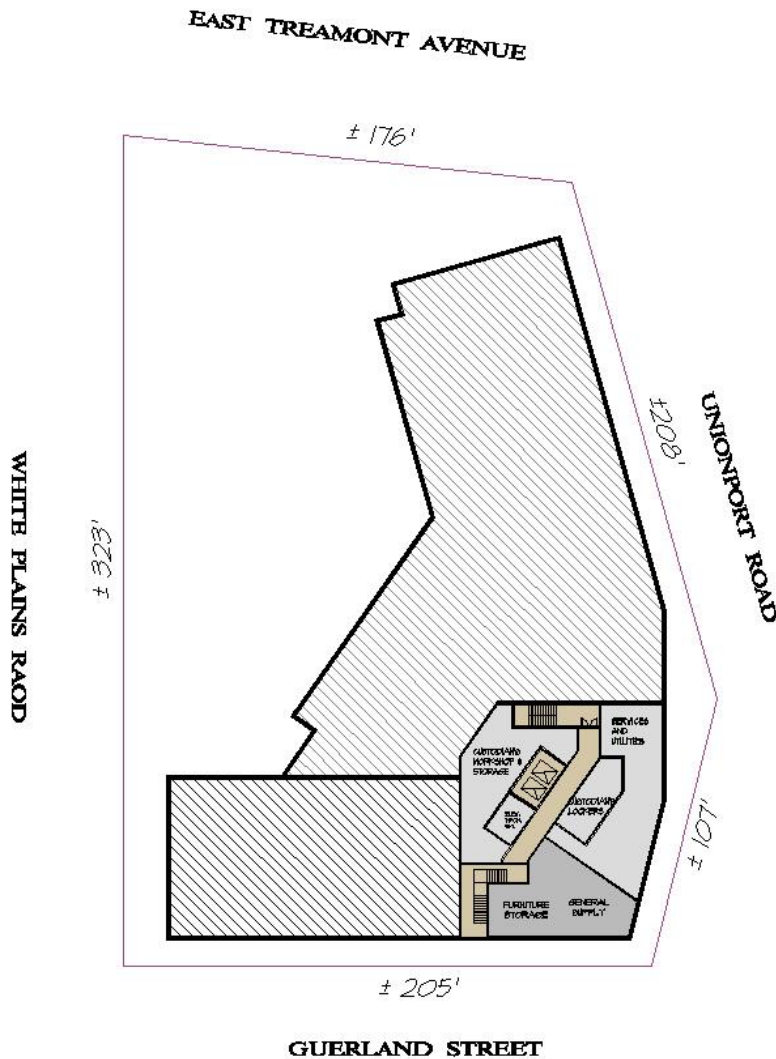


View looking North on White Plains Road

STREET VIEWS



SITE / FIRST FLOOR PLAN

















LEGEND:

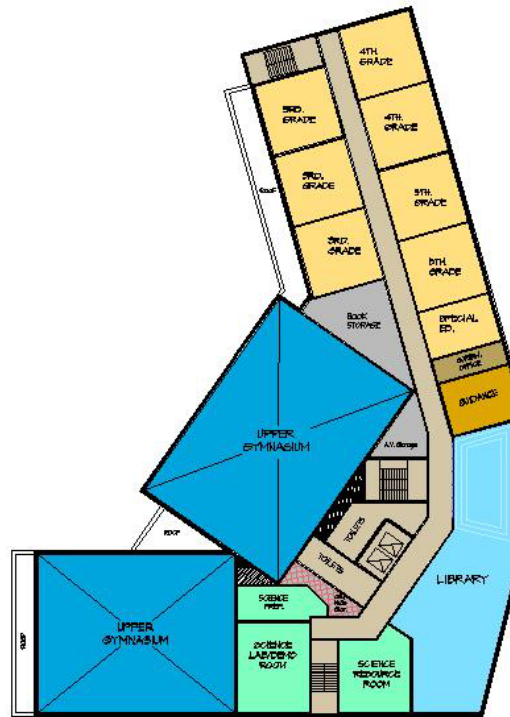
GROUP 1 - INSTRUCTIONAL	GROUP 8 - STUDENT SUPPORT
GROUP CW - CITY WIDE SP. ED - D75	GROUP 9 - STORAGE
GROUP 2 - SPECIALIZED INSTRUCTION	GROUP 10 - ADMINISTRATION
GROUP 3 - SCIENCE	GROUP 12 - CUSTODIAL
GROUP 4 - PHYSICAL EDUCATION	CORRIDOR/STAIR/ELEVATOR/ MECHANICAL/ELECTRICAL/TOILETS
GROUP 5 - ASSEMBLY	UNASSIGNED SPACE
GROUP 6 - LIBRARY	
GROUP 7 - LOBBY	

CELLAR FLOOR PLAN

















- | | |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  <u>GROUP 1</u> – INSTRUCTIONAL |  <u>GROUP 8</u> – STUDENT SUPPORT |
|  <u>GROUP CW</u> – CITY WIDE SP. ED – D75 |  <u>GROUP 9</u> – STORAGE |
|  <u>GROUP 2</u> – SPECIALIZED INSTRUCTION |  <u>GROUP 10</u> – ADMINISTRATION |
|  <u>GROUP 3</u> – SCIENCE |  <u>GROUP 12</u> – CUSTODIAL |
|  <u>GROUP 4</u> – PHYSICAL EDUCATION |  CORRIDOR/STAIR/ELEVATOR/
MECHANICAL/ELECTRICAL/TOILETS |
|  <u>GROUP 5</u> – ASSEMBLY |  UNASSIGNED SPACE |
|  <u>GROUP 6</u> – LIBRARY | |
|  <u>GROUP 7</u> – LOBBY | |

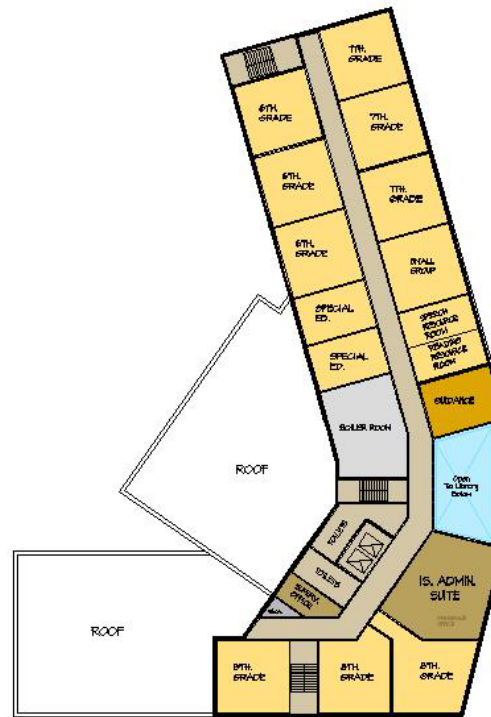
11 of 17



LEGEND:

 GROUP 1 - INSTRUCTIONAL	 GROUP 8 - STUDENT SUPPORT
 GROUP CW - CITY WIDE SP. ED - D75	 GROUP 9 - STORAGE
 GROUP 2 - SPECIALIZED INSTRUCTION	 GROUP 10 - ADMINISTRATION
 GROUP 3 - SCIENCE	 GROUP 12 - CUSTODIAL
 GROUP 4 - PHYSICAL EDUCATION	 CORRIDOR/STAIR/ELEVATOR/ MECHANICAL/ELECTRICAL/TOILETS
 GROUP 5 - ASSEMBLY	 UNASSIGNED SPACE
 GROUP 6 - LIBRARY	
 GROUP 7 - LOBBY	

THIRD FLOOR PLAN



LEGEND:

GROUP 1 - INSTRUCTIONAL	GROUP 8 - STUDENT SUPPORT
GROUP CW - CITY WIDE SP. ED - D75	GROUP 9 - STORAGE
GROUP 2 - SPECIALIZED INSTRUCTION	GROUP 10 - ADMINISTRATION
GROUP 3 - SCIENCE	GROUP 12 - CUSTODIAL
GROUP 4 - PHYSICAL EDUCATION	CORRIDOR/STAIR/ELEVATOR/ MECHANICAL/ELECTRICAL/TOILETS
GROUP 5 - ASSEMBLY	UNASSIGNED SPACE
GROUP 6 - LIBRARY	
GROUP 7 - LOBBY	

FOURTH FLOOR PLAN

(School Name)
Region XX / District XX FMS#
Program of Requirements for a New Primary / Intermediate School Building
Capital Budget Line E-2362

PS-IS 793

DETAILED PROGRAM OF REQUIREMENTS

ROOM LAYOUT	ROOM TYPE	NO. OF UNITS	CAPACITY PER UNIT	TOTAL	UNIT AREA SQ	TOTAL NET AREA
<u>GROUP 1- INSTRUCTION</u>						
	PS Org					
1-10	Pre-Kindergarten (w/ toilets) (If appropriate for District)	4	18	72	1,000	4,000
1-11	Kindergarten (w/ toilets) (If first fl. if possible)	1	20	20	1,000	1,000
1-18	Kindergarten (w/ toilets) (If first fl. if possible)	2	20	40	1,000	2,000
1-12	Typical Classrooms - Grade 1 (toilets optional)	3	20	60	750	2,250
1-12	Typical Classrooms - Grade 2 (toilets optional)	3	20	60	750	2,250
1-14	Typical Classrooms - Grade 3	3	20	60	750	2,250
1-15	Typical Classrooms - Grade 4	2	28	56	750	1,500
1-15	Typical Classrooms - Grade 5	2	28	56	750	1,500
1-30	CSD Special Education Classrooms IS org	2	12	24	500	1,000
1-19	Typical Classrooms - Grade 6	3	28	84	750	2,250
1-19	Typical Classrooms - Grade 7	3	28	84	750	2,250
1-19	Typical Classrooms - Grade 8	3	28	84	750	2,250
1-30	CSD Special Education Classrooms	2	12	24	500	1,000
1-31	Reading Resource Room	1	—	—	375	375
1-32	Speech Resource Room	1	—	—	375	375
1-34	Small Group Instruction/Resource Room (w/ folding ptr)	1	—	—	750	750
<u>GROUP CW - CITY-WIDE SPECIAL ED - DISTRICT 75</u> (clustered at first floor or stacked on 1 & 2)						
CW10-11	Special Education Classrooms (w/ toilets) - District 75	2	12	24	750	1,500
CW10-12	Special Education Classrooms- District 75 (provide toilets in vicinity of classrooms)	3	12	36	500	1,500
CW17-12	Citywide Special Ed Speech Rm (w/ storage) - Dist. 75	1	—	—	200	200
CW30-00	Guidance Office - District 75	1	—	—	100	100
CW34-00	Occupational/Physical Therapy Room - Dist. 75 adj to gym w/ doors to gym and corridor	1	—	—	500	500
CW40-70	Supervisory Office (w/ storage) - District 75	1	—	—	250	250
CW80-00	Storage Room - District 75	1	—	—	150	150
cw12-10	Changing room	1	—	—	100	100
<u>GROUP 2- SPECIALIZED INSTRUCTION</u>						
2-10	Art Classroom	1	28	28	1,125	1,125
2-11	Art Storage (w/ doors to art room & corridor)	1	—	—	250	250
2-30	Music Suite	1	28	28	1,050	1,050
2-30.1	Music Classroom- use stage as Music CR	1	—	—	750	750
2-30.2	Small Practice Cubicle	—	—	—	60	60
2-30.3	Large Practice Cubicle	—	—	—	120	120
2-30.4	Music Instrument Storeroom	1	—	—	120	120
<u>GROUP 3- SCIENCE</u>						
3-14	Science Lab/Demo—for MS use	1	28	28	875	875
3-15	Science Project/Prep Rm (w/ doors to science rms & corridor)	1	—	—	375	375
3-13	Science Room w/ workstations—for PS use	1	28	28	750	750

PS/IS 793 – DRAFT PROGRAM OF REQUIREMENTS

(School Name)
Region XX / District XX FMS#
Program of Requirements for a New Primary / Intermediate School Building
Capital Budget Line E-2362

PS- IS 793

DETAILED PROGRAM OF REQUIREMENTS

ROOM LAYOUT	ROOM TYPE	NO. OF UNITS	CAPACITY PER UNIT	TOTAL	UNIT AREA sq ft	TOTAL NET AREA
<u>GROUP 4 - PHYSICAL EDUCATION</u>						
4-12	Gymnasium	1	56	56	5,400	5,400
4-30	Locker/Changing Rooms (boys and girls)	2	—	—	450	900
4-50	Health Instructor's Office (w/ shower & toilet) (adj. to gym)	1	—	—	250	250
4-53	Gymnasium Storeroom	1	—	—	150	150
PLAYGROUND: 3,000 sf ECC Playground separate from larger yard; Hard-surface General Playground @ 30 sf/student if possible (exclude Pre-K & K count)						
<u>GROUP 5 - ASSEMBLY</u>						
4-90	Gymnasium	1	—	—		4,400
	Play/Seating area	1			3,000	
	Platform	1			1,000	
	Orchestra Area	1			—	
	Chair storage room	1			125	125
5-12	Dressing/Utility Room	1			375	375
<u>GROUP 6 - LIBRARY</u>						
6-12	Library Complex	1	—	—	2,700	2,700
<u>GROUP 7 - LOBBY</u>						
	lobby-each org	2			150	300
7-10	Lobby	1	—	—	750	750
<u>GROUP 8 - STUDENT SUPPORT</u>						
8-10	Guidance/SBST Suite 1	1	—	—	—	500
8-10.1	Guidance Offices	1	—	—	100	—
8-30.1	SBST Office	1	—	—	100	—
8-30.2	Interview/Conference Room	1	—	—	150	—
8-10.3	Store Room	1	—	—	50	—
8-10.4	Waiting Room	1	—	—	100	—
8-10	Guidance/SBST Suite 2	1	—	—	—	500
8-10.1	Guidance Offices	1	—	—	100	—
8-30.1	SBST Office	1	—	—	100	—
8-30.2	Interview/Conference Room	1	—	—	150	—
8-10.3	Store Room	1	—	—	50	—
8-10.4	Waiting Room	1	—	—	100	—
8-51	Medical Suite	1	—	—	—	665
	Medical Suite Toilet (for students)	1	—	—	50	—
	Nurse's Office	2	—	—	100	—
	resting area	2	—	—	45	—
	Examination Room	1	—	—	100	—
	Waiting area	1	—	—	75	—

PS/IS 793 – DRAFT PROGRAM OF REQUIREMENTS

(School Name)
Region XX / District XX FMS#
Program of Requirements for a New Primary / Intermediate School Building PS-IS 793
Capital Budget Line E-2362

DETAILED PROGRAM OF REQUIREMENTS

ROOM LAYOUT	ROOM TYPE	NO. OF UNITS	CAPACITY PER UNIT	TOTAL	UNIT AREA sq ft	TOTAL NET AREA
GROUP 8 - STORAGE						
9-11	Book Storeroom	1 at 1000 or 2 at 500			1,000	1,000
9-14	Furniture Storeroom	1	—	—	500	500
9-16	General Supply w/ 100 SF receiving area	1	—	—	500	500
9-19	Grounds Equipment Storeroom	1	—	—	125	125
9-21	Audio-Visual /Secure Storeroom	1	—	—	250	250
	Refuse and Recycling room w/ 70 SF trash refrigerator					
9-24	(w/ floor drain and hose bib) (on 1st floor if possible)	1	—	—	175	175
9-25	Computer/AV Storeroom (1 ea. Instr. floor)	4	—	—	50	200
GROUP 10 - ADMINISTRATION						
	Administration Suite1	1	—	—	—	1,025
10-11	General Office/Waiting Room mail and time/duplicatin	1	—	—	500	—
10-13	Principal's Office /Conference	1	—	—	375	—
10-14	Records Room	1	—	—	150	—
	supervisory office	1	—	—	150	150
	Administration Suite2	1	—	—	—	1,025
10-11	General Office/Waiting Room mail and time/duplicatin	1	—	—	500	—
10-13	Principal's Office /Conference	1	—	—	375	—
10-14	Records Room	1	—	—	150	—
	supervisory office	1	—	—	150	150
10-24	Teachers' & Aides Work Rm/Lounge (w/ lockers & toilet)	1	—	—	500	500
10-25	Parents / Community Room	1	—	—	375	375
GROUP 11 - CAFETERIA/STAFF LUNCH						
11-10	Students' Dining Area (110% Capacity / 3'x15 ft)	1	291	—	4,362	4,362
11-11	Staff Lunch / Conference Room	1	—	—	500	500
GROUP 12 - CUSTODIAL						
12-10	Custodial Locker Rms - M/F	2	—	—	150	300
	unisex toilet & shower (for custodial use)	1	—	—	100	100
12-11	Custodian's Office	1	—	—	250	250
12-14	Custodian's Storage (include hydraulic lift)	1	—	—	450	450
12-16	Custodian's Workshop	1	—	—	375	375
12-17	Janitor's Sink Closet			(1 per floor)		
12-25	Telecommunications Room	1	—	—	250	250
12-26	Telecommunications Switch Closet (@ floor w/o tel. room)	3	—	—	70	210
12-27	Unisex toilet for non-ambulatory use	1	—	—	60	60
12-28	School Safety Office/Locker Rms	1	—	—	375	375
GROUP K - KITCHEN						
K1	Kitchen Complex	1	—	—	2,900	2,900
K2	Kitchen					
K6	Dietitian's Office					
K7	Help Locker Room - M/F (w/ toilet)					
	Food Storage (75% may be remote from kitchen)					
TOTAL PROGRAMMED AREA (84% Gross)						88,847
TOTAL CORE AREA (38% Gross)						38,728
TOTAL GROSS AREA (100%)						107,574
TOTAL ADJUSTED CAPACITY: 793						
(As per OGP PS Utilization Calculations) (PS unadjusted capacity-3 cluster-1 funded) + (MS Regular CR/0.875 + MS Specialty CR/0.875						
weighted average size for cluster deduction 22						
Unadjusted Capacity: 852						
TOTAL SF PER PUPIL: 138						

PS/IS 793 – DRAFT PROGRAM OF REQUIREMENTS

From: OU, KENRICK
Sent: Monday, February 24, 2014 12:12 PM
To: PERCUDANI, PETER
Subject: FW: Due Diligence Request: 1609 Unionport Road et al., Bronx (D12)
Attachments: 130910_InterimSummary.pdf

From: OU, KENRICK
Sent: Friday, February 14, 2014 5:55 PM
To: BARRETT, E BRUCE; LEMPERT, ALEX; GUTERMAN, DEBORAH LEE; KUBOTA, NINA
Cc: ABNERI, ELAN; DAHIR, STANLEY; PERCUDANI, PETER; KANAPARTHI, SRINIVAS; LIU, CORA; HAQUE, MOHAMMAD; SHAH, ANJAYKUMAR; FONTANET, JENNIFER; BRENNAN, FRANK; AMBACHEN, JENSEN; CONA, MICHAEL
Subject: Due Diligence Request: 1609 Unionport Road et al., Bronx (D12)

The below property assemblage, which is located in the Tremont/West Farms subdistrict of District 12, is on the market. The Draft Capital Plan for Fiscal Years 2015-2019 identifies the need and allocates capital funding for the creation of Capacity seats in this subdistrict, and this site may also be a potential candidate for Replacement seats. Therefore we requesting that due diligence for the assemblage move forward as described below.

Property Information:

CSD: 12 (Tremont/West Farms Subdistrict)

Addresses: 1609 and 1623 Unionport Road, 1897 Guerlain Street, 1578-92 White Plains Road, and 1880 East Tremont Avenue, Bronx

Block/Lots: 3592/1, 7, 8, 17, and 22

Description: The subject property is an assemblage containing a total of approximately 70,600 square feet (1.62 acres) of lot area. It contains several low-rise structures occupied by commercial uses and retail storefronts, many of which are vacant, along with an occupied gas station (Lot 8). The assemblage comprises the entire block bounded by East Tremont Avenue, White Plains Road, Unionport Road, and Guerlain Street. Please note that the gas station is subject to a long-term lease.

Access: Access to this property should be coordinated with John Peters from Cushman & Wakefield, which is the SCA's broker. He may be reached at 212-841-7510 (o), 917-847-1547 (c), and by email at john.peters@cushwake.com

Request:

1. Capital Plan Management is requested to create an LLW# for these investigations.
2. A&E is requested to assess the cost and feasibility of the demolition of all on-site structures and construction of a new school facility to accommodate a Program of Requirements to be developed in consultation with Capital Plan Management. The zoning analysis that was completed for the property owner is attached for your reference.

Revised June 20, 2014

Mr. Yujaya Mikkilineni
NYC School Construction Authority
30-30 Thomson Avenue
Long Island City, NY 11101

Re: Post Probe Asbestos Survey
Project # 1 – D-10 X (X882)
1597-1592 Unionport Road, 1889-1905 Guerlain Street, 1572-1592 White Plains Road, 1880-1894 East Tremont Avenue, Bronx, New York
IEH Job # X882-49756, LLW # 091486
Langan Project # 100468201

Dear Mr. Mikkilineni:

As per the NYCSCA proceed order request, Langan Engineering, Environmental, Survey & Landscape Architecture, D.P.C. (Langan) performed a limited asbestos investigation for the proposed boring locations as marked on the drawings prepared by D&B Engineers and Architects, P.C. dated April 8, 2014.

The investigation was performed by Langan representative Mr. Parthiban Munirathinam (NYSDOL / NYCDEP # 11-21477 / 128650) & Mr. Dixitkumar Patel (NYSDOL # 10-21571) on June 16-17, 2014 in accordance with AHERA and New York City School Construction Authority requirements. The abatement contractor Empire Control Abatement, Inc. assisted Langan with the boring clearance activities.

The following is a summary of findings which would be impacted by the proposed boring activities.

Location	Boring #	Material	No. of Samples	Result	Notes
EXTERIOR					
Exterior	1, 2, 4 to 7, 9, 12, 13, 15 to 18	Black Mastic on Sidewalk	12	Non-ACM	---
Exterior	1, 2, 4 to 7, 9, 12, 13, 15 to 18	Sidewalk Expansion Joint Caulking (Grey)	12	Non-ACM	---
Exterior	1, 2, 4 to 7, 9, 12, 13, 15 to 18	Sidewalk Expansion Joint Material under Caulking	12	Non-ACM	---
Exterior	1, 2, 4 to 7, 9, 12, 13, 15 to 18	Concrete Sidewalk	0	Non-Suspect	---
Exterior	1, 2, 4 to 7, 9, 12, 13, 15 to 18	Asphalt Pavement	3	Non-ACM	---
INTERIOR					
1589 WHITE PLAINS ROAD, BRONX, NY					
Basement	8	Concrete Floor	0	Non-Suspect	No suspect materials were observed under the concrete floor.
1894 EAST TREMONT AVENUE, BRONX, NY					
Basement	3	Concrete Floor	0	Non-Suspect	---
Basement	3	Loose Fill Materials under Concrete Floor	3	Non-ACM	---
1615 UNIONPORT ROAD, BRONX, NY					
Basement	11	Concrete Floor	0	Non-Suspect	---

Curtis HS R (R450)
 105 Hamilton Avenue, Staten Island, NY
 IEH Job # R450-48438, LLW # 089515, Design # TBD
 Langan Project # 100443201

Location	Boring #	Material	No. of Samples	Result	Notes
Basement	11	Loose Fill Materials under Concrete Floor	3	Non-ACM	---
1603 UNIONPORT ROAD, BRONX, NY					
Basement	10	Grey Floor Paint	3	Non-ACM	---
Basement	10	Concrete Floor	0	Non-Suspect	No suspect materials were observed under the concrete floor.
1897 GUERLAIN STREET, BRONX, NY					
Basement	14	Black Mastic on Concrete Floor	3	Non-ACM	---
Basement	14	Beige Carpet	0	Non-Suspect	---
Basement	14	Capet Glue	3	Non-ACM	---
Basement	14	Leveling Compound	3	Non-ACM	---
Basement	14	Concrete Floor	0	Non-Suspect	---
Basement	14	Loose Fill Materials under Concrete Floor	6	Non-ACM	---

Notes:

1. Borings can be performed by a General Contractor.
2. Any suspect building material that is not listed must be assumed as ACM unless otherwise confirmed negative via laboratory analytical results.

This inspection was conducted solely for the proposed scope of work. If the proposed work should change, an additional survey will be necessary prior to any commencement of proposed work.

If you have any questions or require further information, please do not hesitate to call me at 732-501-7058.

Very truly yours,

Langan Engineering and Environmental Services, Inc.



Darshan Desai
 NYC Asbestos Investigator

Vijay Patel
 Project Manager/QA/QC

APPENDICES:

- Appendix A: Analytical Results, Chain of Custody & Certificates of Analysis
- Appendix B: Laboratory Certification
- Appendix C: Personal & Company Licenses
- Appendix D: SCA Probe Request

\\Langan.com\data\EP\data2\100468201\Survey & Design Jobs\Probe\Post-Probe\X882 - ACM Post Probe Letter Report - 06-20-14.doc

APPENDIX A

ANALYTICAL RESULTS, CHAIN OF CUSTODY, AND CERTIFICATES OF ANALYSIS

APPENDIX A
SUMMARY OF BULK ASBESTOS SAMPLE ANALYSIS

LINE #	SAMPLE ID NUMBER	DESCRIPTION OF HOMOGENEOUS MATERIAL	LOCATION	RESULTS		
				PLM	PLM-NOB	TEM
	Survey Dated: June 16-17, 2014					
1.	E-MA-1-A	Black Mastic on Sidewalk	Exterior – White Plains Road	---	ND	ND
	E-MA-1-B			---	ND	ND
	E-MA-1-C			---	ND	ND
2.	E-MA-2-A	Black Mastic on Sidewalk	Exterior – Guerlain Street	---	ND	ND
	E-MA-2-B			---	ND	ND
	E-MA-2-C			---	ND	ND
3.	E-MA-3-A	Black Mastic on Sidewalk	Exterior – Unionport Road	---	ND	ND
	E-MA-3-B			---	ND	ND
	E-MA-3-C			---	ND	ND
4.	E-MA-4-A	Black Mastic on Sidewalk	Exterior – E. Tremont Avenue	---	ND	ND
	E-MA-4-B			---	ND	ND
	E-MA-4-C			---	ND	ND
5.	E-EJC-1-A	Sidewalk Expansion Joint Caulking (Grey)	Exterior – White Plains Road	---	ND	ND
	E-EJC-1-B			---	ND	ND
	E-EJC-1-C			---	ND	ND
6.	E-EJC-2-A	Sidewalk Expansion Joint Caulking (Grey)	Exterior – Guerlain Street	---	ND	ND
	E-EJC-2-B			---	ND	ND
	E-EJC-2-C			---	ND	ND
7.	E-EJC-3-A	Sidewalk Expansion Joint Caulking (Light Grey)	Exterior – Unionport Road	---	ND	ND
	E-EJC-3-B			---	ND	ND
	E-EJC-3-C			---	ND	ND
8.	E-EJC-4-A	Sidewalk Expansion Joint Caulking (Grey)	Exterior – E. Tremont Avenue	---	ND	ND
	E-EJC-4-B			---	ND	ND
	E-EJC-4-C			---	ND	ND
9.	E-EJM-1-A	Sidewalk Expansion Joint Material under Caulking	Exterior – White Plains Road	---	ND	ND
	E-EJM-1-B			---	ND	ND
	E-EJM-1-C			---	ND	ND
10.	E-EJM-2-A	Sidewalk Expansion Joint Material under Caulking	Exterior – Guerlain Street	---	ND	ND
	E-EJM-2-B			---	ND	ND
	E-EJM-2-C			---	ND	ND
11.	E-EJM-3-A	Sidewalk Expansion Joint Material under Caulking	Exterior – Unionport Road	---	ND	ND
	E-EJM-3-B			---	ND	ND
	E-EJM-3-C			---	ND	ND
12.	E-EJM-4-A	Sidewalk Expansion Joint Material under Caulking	Exterior – E. Tremont Avenue	---	ND	ND
	E-EJM-4-B			---	ND	ND
	E-EJM-4-C			---	ND	ND
13.	E-ASH-1-A	Asphalt Pavement	Exterior – Drive Way	---	ND	ND
	E-ASH-1-B			---	ND	ND
	E-ASH-1-C			---	ND	ND
14.	TS-PA-1-A	Grey Floor Paint	Basement – 1603 Unionport Road	---	ND	ND
	TS-PA-1-B			---	ND	ND
	TS-PA-1-C			---	ND	ND
15.	T3-FM-1-A	Loose Fill Materials below Concrete	Basement – 1615 Unionport Road	ND	---	---
	T3-FM-1-B			ND	---	---
	T3-FM-1-C			ND	---	---

LINE #	SAMPLE ID NUMBER	DESCRIPTION OF HOMOGENEOUS MATERIAL	LOCATION	RESULTS		
				PLM	PLM-NOB	TEM
16.	FM-1-A	Loose Fill Materials below Concrete	Basement – 1897 Guerlain Road	ND	---	---
	FM-1-B			ND	---	---
	FM-1-C			ND	---	---
17.	T2-MA-1-A	Black Mastic on top of the Concrete Floor	Basement – 1897 Guerlain Road	---	ND	ND
	T2-MA-1-B			---	ND	ND
	T2-MA-1-C			---	ND	ND
18.	T2-CMA-1-A	Carpet Glue	Basement – 1897 Guerlain Road	---	ND	ND
	T2-CMA-1-B			---	ND	ND
	T2-CMA-1-C			---	ND	ND
19.	T2-LC-1-A	Leveling Compound	Basement – 1897 Guerlain Road	ND	---	---
	T2-LC-1-B			ND	---	---
	T2-LC-1-C			ND	---	---
20.	T2-FM-1-A	Loose Fill Materials below Concrete	Basement – 1897 Guerlain Road	ND	---	---
	T2-FM-1-B			ND	---	---
	T2-FM-1-C			ND	---	---
21.	T4-FM-1-A	Loose Fill Materials below Concrete	Basement – 1894 E. Tremont Avenue	ND	---	---
	T4-FM-1-B			ND	---	---
	T4-FM-1-C			ND	---	---

Notes:

- 1) Concentrations in weight percent.
- 2) ND = "None Detected" – Asbestos not detected in that sample.
- 3) PLM = Polarized Light Microscopy
- 4) TEM = Transmission Electron Microscopy
- 5) NOB = Non-Friable Organically Bound.
- 6) A material with asbestos content greater than one percent is considered as an asbestos-containing material.
- 7) NA = Not Analyzed
- 8) NAPS = Not Analyzed Positive Stop

**AmeriSci New York**

117 EAST 30TH ST.

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Langan Engineering & Environmental S
Attn: Vijay Patel
River Drive Center 1

Elmwood Park, NJ 07407

Date Received 06/17/14 **AmeriSci Job #** 214063643
Date Examined 06/18/14 **P.O. #**
ELAP # 11480 **Page** 1 **of** 7
RE: 100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-MA-1-A E-MA-1	214063643-01 Location: Black Mastic On Sidewalk / Exterior - White Plains Road	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 20.8 %			
E-MA-1-B E-MA-1	214063643-02 Location: Black Mastic On Sidewalk / Exterior - White Plains Road	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 25.8 %			
E-MA-1-C E-MA-1	214063643-03 Location: Black Mastic On Sidewalk / Exterior - White Plains Road	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 28.8 %			
E-MA-2-A E-MA-2	214063643-04 Location: Black Mastic On Sidewalk / Exterior - Guerlain Street	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16.2 %			
E-MA-2-B E-MA-2	214063643-05 Location: Black Mastic On Sidewalk / Exterior - Guerlain Street	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 34.3 %			

PLM Bulk Asbestos Report

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-MA-2-C	214063643-06	No	NAD
E-MA-2	Location: Black Mastic On Sidewalk / Exterior - Guerlain Street		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 37.2 %			
E-MA-3-A	214063643-07	No	NAD
E-MA-3	Location: Black Mastic On Sidewalk / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 19.9 %			
E-MA-3-B	214063643-08	No	NAD
E-MA-3	Location: Black Mastic On Sidewalk / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 27.7 %			
E-MA-3-C	214063643-09	No	NAD
E-MA-3	Location: Black Mastic On Sidewalk / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.9 %			
E-MA-4-A	214063643-10	No	NAD
E-MA-4	Location: Black Mastic On Sidewalk / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 27.7 %			
E-MA-4-B	214063643-11	No	NAD
E-MA-4	Location: Black Mastic On Sidewalk / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.3 %			

PLM Bulk Asbestos Report

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-MA-4-C	214063643-12	No	NAD
E-MA-4	Location: Black Mastic On Sidewalk / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10.1 %			
E-EJC-1-A	214063643-13	No	NAD
E-EJC-1	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - White Plains Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16.5 %			
E-EJC-1-B	214063643-14	No	NAD
E-EJC-1	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - White Plains Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 13.2 %			
E-EJC-1-C	214063643-15	No	NAD
E-EJC-1	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - White Plains Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17.7 %			
E-EJC-2-A	214063643-16	No	NAD
E-EJC-2	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - Guerlain Street		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16.8 %			
E-EJC-2-B	214063643-17	No	NAD
E-EJC-2	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - Guerlain Street		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17.5 %			

PLM Bulk Asbestos Report

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-EJC-2-C	214063643-18	No	NAD
E-EJC-2	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - Guerlain Street		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 20.4 %			
E-EJC-3-A	214063643-19	No	NAD
E-EJC-3	Location: Sidewalk Expansion Joint Caulking - Light Grey / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.1 %			
E-EJC-3-B	214063643-20	No	NAD
E-EJC-3	Location: Sidewalk Expansion Joint Caulking - Light Grey / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.8 %			
E-EJC-3-C	214063643-21	No	NAD
E-EJC-3	Location: Sidewalk Expansion Joint Caulking - Light Grey / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.2 %			
E-EJC-4-A	214063643-22	No	NAD
E-EJC-4	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 18.3 %			
E-EJC-4-B	214063643-23	No	NAD
E-EJC-4	Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 25.7 %			

PLM Bulk Asbestos Report

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-EJC-4-C E-EJC-4	214063643-24	No	NAD
Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - E. Tremont Avenue			(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 17.4 %			
E-EJM-1-A E-EJM-1	214063643-25	No	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - White Plains Road			(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 52.9 %			
E-EJM-1-B E-EJM-1	214063643-26	No	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - White Plains Road			(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 47.7 %			
E-EJM-1-C E-EJM-1	214063643-27	No	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - White Plains Road			(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 48.4 %			
E-EJM-2-A E-EJM-2	214063643-28	No	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Guerlain Street			(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.9 %			
E-EJM-2-B E-EJM-2	214063643-29	No	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Guerlain Street			(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.5 %			

PLM Bulk Asbestos Report

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-EJM-2-C	214063643-30	No	NAD
E-EJM-2	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Guerlain Street		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 14.3 %			
E-EJM-3-A	214063643-31	No	NAD
E-EJM-3	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.9 %			
E-EJM-3-B	214063643-32	No	NAD
E-EJM-3	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.5 %			
E-EJM-3-C	214063643-33	No	NAD
E-EJM-3	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Union Port Road		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.2 %			
E-EJM-4-A	214063643-34	No	NAD
E-EJM-4	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 6.4 %			
E-EJM-4-B	214063643-35	No	NAD
E-EJM-4	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 6.3 %			

PLM Bulk Asbestos Report

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462;
SCA IEH Job #: X882-49756; LLW #: 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
E-EJM-4-C	214063643-36	No	NAD
E-EJM-4	Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - E. Tremont Avenue		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.8 %			
E-ASH-1-A	214063643-37	No	NAD
E-ASH-1	Location: Asphalt Pavement / Exterior - Driveway		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 52.7 %			
E-ASH-1-B	214063643-38	No	NAD
E-ASH-1	Location: Asphalt Pavement / Exterior - Driveway		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 77.4 %			
E-ASH-1-C	214063643-39	No	NAD
E-ASH-1	Location: Asphalt Pavement / Exterior - Driveway		(by NYS ELAP 198.6) by David W. Roderick on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 66.9 %			

Reporting Notes:

Analyzed by: David W. Roderick

David W. Roderick

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

Client Name: Langan Engineering & Environmental Services

Table I
Summary of Bulk Asbestos Analysis Results

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462; SCA IEH Job #: X882-49756; LLW #: 91486

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	E-MA-1-A	E-MA-1	0.101	52.5	26.7	20.8	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - White Plains Road								
02	E-MA-1-B	E-MA-1	0.124	45.2	29.0	25.8	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - White Plains Road								
03	E-MA-1-C	E-MA-1	0.066	63.6	7.6	28.8	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - White Plains Road								
04	E-MA-2-A	E-MA-2	0.173	59.0	24.9	16.2	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - Guerlain Street								
05	E-MA-2-B	E-MA-2	0.143	42.0	23.8	34.3	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - Guerlain Street								
06	E-MA-2-C	E-MA-2	0.196	60.2	2.6	37.2	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - Guerlain Street								
07	E-MA-3-A	E-MA-3	0.156	59.6	20.5	19.9	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - Union Port Road								
08	E-MA-3-B	E-MA-3	0.213	47.4	24.9	27.7	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - Union Port Road								
09	E-MA-3-C	E-MA-3	0.307	55.6	39.5	4.9	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - Union Port Road								
10	E-MA-4-A	E-MA-4	0.094	56.4	16.0	27.7	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - E. Tremont Avenue								
11	E-MA-4-B	E-MA-4	0.126	57.1	36.5	6.3	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - E. Tremont Avenue								
12	E-MA-4-C	E-MA-4	0.227	67.4	22.5	10.1	NAD	NAD
Location: Black Mastic On Sidewalk / Exterior - E. Tremont Avenue								
13	E-EJC-1-A	E-EJC-1	0.407	40.3	43.2	16.5	NAD	NAD
Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - White Plains Road								
14	E-EJC-1-B	E-EJC-1	0.288	43.8	43.1	13.2	NAD	NAD
Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - White Plains Road								
15	E-EJC-1-C	E-EJC-1	0.430	39.3	43.0	17.7	NAD	NAD
Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - White Plains Road								
16	E-EJC-2-A	E-EJC-2	0.279	38.7	44.4	16.8	NAD	NAD
Location: Sidewalk Expansion Joint Caulking - Grey / Exterior - Guerlain Street								

See Reporting notes on last page

Client Name: Langan Engineering & Environmental Services

Table I
Summary of Bulk Asbestos Analysis Results

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462; SCA IEH Job #: X882-49756; LLW #: 91486

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	E-EJC-2-B	E-EJC-2	0.314	40.4	42.0	17.5	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Grey / Exterior - Guerlain Street							
18	E-EJC-2-C	E-EJC-2	0.334	37.7	41.9	20.4	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Grey / Exterior - Guerlain Street							
19	E-EJC-3-A	E-EJC-3	0.198	47.5	47.5	5.1	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Light Grey / Exterior - Union Port Road							
20	E-EJC-3-B	E-EJC-3	0.276	50.4	43.8	5.8	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Light Grey / Exterior - Union Port Road							
21	E-EJC-3-C	E-EJC-3	0.154	43.5	51.3	5.2	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Light Grey / Exterior - Union Port Road							
22	E-EJC-4-A	E-EJC-4	0.312	37.2	44.6	18.3	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Grey / Exterior - E. Tremont Avenue							
23	E-EJC-4-B	E-EJC-4	0.331	44.1	30.2	25.7	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Grey / Exterior - E. Tremont Avenue							
24	E-EJC-4-C	E-EJC-4	0.270	40.7	41.9	17.4	NAD	NAD
Location:	Sidewalk Expansion Joint Caulking - Grey / Exterior - E. Tremont Avenue							
25	E-EJM-1-A	E-EJM-1	0.885	39.2	7.9	52.9	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - White Plains Road							
26	E-EJM-1-B	E-EJM-1	0.342	44.2	8.2	47.7	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - White Plains Road							
27	E-EJM-1-C	E-EJM-1	0.457	41.4	10.3	48.4	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - White Plains Road							
28	E-EJM-2-A	E-EJM-2	0.278	67.3	11.9	20.9	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - Guerlain Street							
29	E-EJM-2-B	E-EJM-2	0.199	90.5	4.0	5.5	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - Guerlain Street							
30	E-EJM-2-C	E-EJM-2	0.259	78.8	6.9	14.3	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - Guerlain Street							
31	E-EJM-3-A	E-EJM-3	0.485	91.8	4.3	3.9	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - Union Port Road							
32	E-EJM-3-B	E-EJM-3	0.334	95.2	3.3	1.5	NAD	NAD
Location:	Sidewalk Expansion Joint Material Under Caulking / Exterior - Union Port Road							

See Reporting notes on last page

Client Name: Langan Engineering & Environmental Services

Table I
Summary of Bulk Asbestos Analysis Results

100468201; X882; Project # 1 - D10 - X, Bronx, NY 10462; SCA IEH Job #: X882-49756; LLW #: 91486

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	E-EJM-3-C	E-EJM-3	0.454	97.1	2.6	0.2	NAD	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - Union Port Road								
34	E-EJM-4-A	E-EJM-4	0.218	87.2	6.4	6.4	NAD	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - E. Tremont Avenue								
35	E-EJM-4-B	E-EJM-4	0.128	89.8	3.9	6.3	NAD	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - E. Tremont Avenue								
36	E-EJM-4-C	E-EJM-4	0.169	96.4	1.8	1.8	NAD	NAD
Location: Sidewalk Expansion Joint Material Under Caulking / Exterior - E. Tremont Avenue								
37	E-ASH-1-A	E-ASH-1	0.543	6.8	40.5	52.7	NAD	NAD
Location: Asphalt Pavement / Exterior - Driveway								
38	E-ASH-1-B	E-ASH-1	0.646	4.3	18.3	77.4	NAD	NAD
Location: Asphalt Pavement / Exterior - Driveway								
39	E-ASH-1-C	E-ASH-1	0.918	4.6	28.5	66.9	NAD	NAD
Location: Asphalt Pavement / Exterior - Driveway								

Analyzed by: Manik Peysakhov; Date Analyzed 6/18/2014

**Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NY/SDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

Project Name: X882		Langan Job No.: 100468201		Analysis Requested for Asbestos		Analysis Requested for Lead		Analysis Requested for PCB		Results					
School Name: Project #1 - D10 - X		Project Manager: Vijay Patel		PLM		AAS		EPA Method 8082							
Address:		Phone No: (201) 398-4544		PLM- NOB		TEM									
Site Location: Bronx, NY 10462		Sampled By: Parthiban Munirathinam													
SCA IEH Job #: X882-49756		License #: 11-21477(NYS) 128650(NYC)													
LLW #(s): 91486		Sampling Date: 6/16/2014													
Sample ID Number	Description of Sample	Sample Location													
E-MA-1-A	Black mastic on side wall	White Plain													
-1-B		↓													
-1-C		↓													
-2-A		↓													
-2-B		↓													
-2-C		↓													
-3-A		↓													
-3-B		↓													
-3-C		↓													
-4-A		↓													
-4-B		↓													
-4-C		↓													
<p>Comments: Analyze V samples for vermiculite only unless mentioned</p> <p>21 4068643</p>															
Total No. of Samples: 12		Requested TAT:		6 hr		12 hr		24 hr		48 hr		72 hr		5 days	
<p>Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogenous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile sample.</p>															
Relinquished By:		Samples Received By:		Signature		Signature		Signature		Signature		Signature		Signature	
Date		Date		Date		Date		Date		Date		Date		Date	
Time		Time		Time		Time		Time		Time		Time		Time	
Company: LANGAN		Company:		Company:		Company:		Company:		Company:		Company:		Company:	

Project Name: X882		Langan Job No.: 100468201		Analysis Requested for Asbestos		Analysis Requested for Lead		Analysis Requested for PCB		Results	
School Name: Project #1 - D10 - X		Project Manager: Vijay Patel		PLM		AAS		EPA Method 8082			
Address: Bronx, NY 10462		Phone No: (201) 398-4544		PLM-NOB		TEM					
Site Location: X882-49756		Sampled By: Parthiban Munirathinam									
SCA IEH Job #: X882-49756		License #: 11-21477(NYS) 128650(NYC)									
LLW #(s): 91486		Sampling Date: 6/16/2014									
Sample ID Number	Description of Sample	Sample Location									
E-EIC-1-A	Sidewalk Expansion Joint - Grey	Exterior - White Plank									
-1-B	Caulking										
-1-C											
-2-A											
-2-B											
-2-C											
-3-A											
-3-B											
-3-C											
-4-A											
-4-B											
-4-C											

Comments: Analyze V samples for vermiculite only unless mentioned

6 hr	12 hr	24 hr	48 hr	72 hr	5 days
		X			

Total No. of Samples: 12
Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogenous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile/sample.

Relinquished By: Parthiban Munirathinam		Samples Received By: [Signature]	
Signature	Signature	Signature	Signature
Date: 6/16/2014	Date: 6/16/2014	Date: 6/18/14	Date: 6/18/14
Time: 7pm	Time: 1:54	Time: 0200	Time: 10:30
Company: LANGAN	Fedex	Amex Sci	

Project Name: X882		Langan Job No.: 100468201		Analysis Requested for Asbestos		Analysis Requested for Lead		Analysis Requested for PCB		Results	
School Name: Project #1 - D10 - X		Project Manager: Vijay Patel		PLM		AAS		EPA Method 8082			
Address:		Phone No: (201) 398-4544		PLM-NOB		TEM					
Site Location: Bronx, NY 10462		Sampled By: Parthiban Munirathinam									
SCA IEH Job #: X882-49756		License #: 11-21477(NYS) 128650(NYC)									
LLW #(s): 91486		Sampling Date: 6/16/2014									
Sample ID Number	Description of Sample	Sample Location									
E-EIM-1-A	Sidewalk Expansion Joint	Exterior - White Plaster									
-1-B	Material under Curb	Guerlain Street									
-1-C		Union Port Road									
-2-A		E 180th Avenue									
-2-B											
-2-C											
-3-A											
-3-B											
-3-C											
-4-A											
-4-B											
-4-C											

214063643

Comments: Analyze V samples for vermiculite only unless mentioned

Total No. of Samples: 12

Requested TAT:

6 hr	12 hr	24 hr	48 hr	72 hr	5 days
		X			

Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogenous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile sample.

Relinquished By:	Parthiban Munirathinam	Samples Received By:	Parthiban Munirathinam
Signature		Signature	
Date	6/16/2014	Date	6/18/14
Time	7pm	Time	0200
Company: LANGAN	Fedex	Company:	Ameresco

LANGAN

21 Penn Plaza, 360 West 31st St., 8th Floor, New York, NY 10001
Phone: 212-479-5400 Fax: 212-479-5444

BULK SAMPLE CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST

PAGE 4 OF 4

Project Name: X882		Langan Job No.: 100468201	
School Name: Project #1 - D10 - X		Project Manager: Vijay Patel	
Address:		Phone No: (201) 398-4544	
Site Location: Bronx, NY 10462		Sampled By: Parthiban Munirathinam	
SCA IEH Job #: X882-49756		License #: 11-21477(NYS) 128650(NYC)	
LLW #(s): 91486		Sampling Date: 6/16/2014	
Sample ID Number	Description of Sample	Sample Location	
E-Ash-1-A	Asphalt Pavement	Exterior - Driveway	
-1-B	↓	↓	
-1-C	↓	↓	
214063643			

Comments: Analyze V samples for vermiculite only unless mentioned	
Total No. of Samples: 3	
Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogenous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile sample.	
Relinquished By:	Samples Received By:
Signature	Signature
Date	Date
Time	Time
Company: LANGAN	Company: Amersi
Samples Analyzed By:	
Signature	Signature
Date	Date
Time	Time
Company: LANGAN	Company: Amersi

Email results to: ddesai@langan.com, pmunirathinam@langan.com

**AmeriSci New York**

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Langan Engineering & Environmental S
Attn: Vijay Patel
River Drive Center 1
Elmwood Park, NJ 07407

Date Received 06/17/14
Date Examined 06/18/14
ELAP # 11480
RE: 100468204; X882; Project # 1 - D10 - X, 1603 Unionport Road, Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW #: 91486

AmeriSci Job # 214063782
P.O. #
Page 1 **of** 1

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TS-PA-1-A 1	214063782-01 Location: 1603 Unionport Road, Bronx, NY [Upper Basement Hallway - Tent 3] [Furniture Shop] - Floor Paint (Grey)	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 15.8 %			
TS-PA-1-B 1	214063782-02 Location: 1603 Unionport Road, Bronx, NY [Upper Basement Hallway - Tent 3] [Furniture Shop] - Floor Paint (Grey)	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 22 %			
TS-PA-1-C 1	214063782-03 Location: 1603 Unionport Road, Bronx, NY [Upper Basement Hallway - Tent 3] [Furniture Shop] - Floor Paint (Grey)	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 24 %			

Reporting Notes:

Analyzed by: Bella J. Chernis _____

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

Client Name: Langan Engineering & Environmental Services

Table I

Summary of Bulk Asbestos Analysis Results

100468204; X882; Project # 1 - D10 - X, 1603 Unionport Road, Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW #: 91486

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	TS-PA-1-A	1	0.101	44.6	39.6	15.8	NAD	NAD
Location: 1603 Unionport Road, Bronx, NY [Upper Basement Hallway - Tent 3] [Furniture Shop] - Floor Paint (Grey)								
02	TS-PA-1-B	1	0.123	65.0	13.0	22.0	NAD	NAD
Location: 1603 Unionport Road, Bronx, NY [Upper Basement Hallway - Tent 3] [Furniture Shop] - Floor Paint (Grey)								
03	TS-PA-1-C	1	0.104	65.4	10.6	24.0	NAD	NAD
Location: 1603 Unionport Road, Bronx, NY [Upper Basement Hallway - Tent 3] [Furniture Shop] - Floor Paint (Grey)								

Analyzed by: Marik Peysakhov

Date Analyzed 6/18/2014

**Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

BULK SAMPLE CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST

PAGE ____ OF ____

Project Name: X882	Langan Job No.: 100468204	Analysis Requested for		Analysis Requested for PCB	Results
School Name: Project #1 - D10- X	Project Manager: Darshan Desai	Lead		EPA Method 8082	
Address: 0 1603 Union Port Road	Phone No:	Analysis Requested for Asbestos		AAS	
Site Location: Bronx, NY 10462	Sampled By: Dhirendra Patel	PLM	PLM-NOB	TCPL	
SCA IEH Job #: X882-49756	License #: 10-21531				
LLW #s: 91486	Sampling Date: 6/17/2014				
Sample ID Number	Description of Sample				
TS-PA-1-A	Floor Paint (Grey)				
-B	↓				
-C	↓				
	1603 Union Port Road				
	Bronx, NY. Supply Ward				
	Handover - Tent-3				
	[Furniture shop]				
	214063782				

Comments:

Total No. of Samples: 3

Requested TAT:

6 hr	12 hr	24 hr	48 hr	72 hr	5 days
		X			

Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogeneous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile sample.

Relinquished By:

Dhirendra Patel

Samples Received By:

Dhirendra Patel

Samples Analyzed By:

Dhirendra Patel

Signature

Signature

Signature

Date

6/17/2014

Date

6/17/14

Date

Time

8:30pm

Time

06, 18.14

Time

Company: LANGAN

Company:

2040

1130

1349

Email results to: ddesai@langan.com, Dpatel@langan.com, pmunirathinam@langan.com

**AmeriSci New York**117 EAST 30TH ST.
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos ReportLangan Engineering & Environmental S
Attn: Vijay Patel
River Drive Center 1

Elmwood Park, NJ 07407

Date Received 06/17/14 **AmeriSci Job #** 214063784
Date Examined 06/18/14 **P.O. #**
ELAP # 11480 **Page** 1 **of** 1
RE: 100468204; X882; Project # 1 - D10 - X, 1615 Unionport
Road, Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW #:
91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
T3-FM-1-A	214063784-01	No	NAD
T3-FM-1	Location: Basement Boiler Room - Loose Fill Materials Below Concrete		(by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey/Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
T3-FM-1-B	214063784-02	No	NAD
T3-FM-1	Location: Basement Boiler Room - Loose Fill Materials Below Concrete		(by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
T3-FM-1-C	214063784-03	No	NAD
T3-FM-1	Location: Basement Boiler Room - Loose Fill Materials Below Concrete		(by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Reporting Notes:

Analyzed by: Bella J. Chernis

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

LANGAN

River Drive Center One, Elmwood Park, NJ 07407
Phone: 201-794-6900, Fax: 201-794-7501

**BULK SAMPLE
CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST**

[illegible]

**AmeriSci New York**117 EAST 30TH ST.
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos ReportLangan Engineering & Environmental S
Attn: Vijay Patel
River Drive Center 1

Elmwood Park, NJ 07407**Date Received** 06/16/14 **AmeriSci Job #** 214063565
Date Examined 06/17/14 **P.O. #**
ELAP # 11480 **Page** 1 **of** 1
RE: 100468204; X882; 1897 Guerlain Street, Bronx, NY 10462
SCA IEH Job #X882-49756, LLW #91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FM-1-A FM-1	214063565-01	No	NAD
Location: Basement Hallway Near Bowling Play Area (Tent -J) - Black Fill Material Below Concrete Slab			(by NYS ELAP 198.1) by Tara L. Fisher on 06/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
FM-1-B FM-1	214063565-02	No	NAD
Location: Basement Hallway Near Bowling Play Area (Tent -J) - Black Fill Material Below Concrete Slab			(by NYS ELAP 198.1) by Tara L. Fisher on 06/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
FM-1-C FM-1	214063565-03	No	NAD
Location: Basement Hallway Near Bowling Play Area (Tent -J) - Black Fill Material Below Concrete Slab			(by NYS ELAP 198.1) by Tara L. Fisher on 06/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Reporting Notes:

Analyzed by: Tara L. Fisher

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST

Project Name: X882	Langan Job No.: 100468204	Analysis Requested for Asbestos		Analysis Requested for Lead	Analysis Requested for PCB	Results
School Name: Project #1 - D10- X	Project Manager: Darshan Desai	PLM	PLM- NOB	AAS	EPA Method 8082	
Address: 0 1897 Guernsey street	Phone No: 0					
Site Location: Bronx, NY 10462	Sampled By: Dixitkumar Patel					
SCA IEH Job #: X882-49756	License #: 10-21571					
LLW #(s): 91486	Sampling Date: 6/16/2014					
Sample ID Number	Description of Sample					
FM-1-A	Black fill materials below					
FM-1-B	Concrete slab					
FM-1-C						

Comments:

Total No. of Samples: 3

Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogenous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile sample.

Requested TAT:

6 hr	12 hr	24 hr	48 hr	72 hr	5 days
		X			

Relinquished By:	Samples Received By:	Samples Analyzed By:
Signature: Dkumar. Patel	Signature: Janya Kasim	Signature: Janya Fisher
Date: 6/16/2014	Date: 6/16/14	Date: 6/17/14
Time: 18:31	Time: @1836	Time: 1145
Company: LANGAN	Company:	

**AmeriSci New York**

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Langan Engineering & Environmental S
Attn: Vijay Patel
River Drive Center 1
Elmwood Park, NJ 07407

Date Received 06/17/14
Date Examined 06/18/14
ELAP # 11480
RE: 100468204; X882; Project # 1- D10 - X, 1897 Guerlain St.,
Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW # 91486

AmeriSci Job # 214063783
P.O. #
Page 1 of 3

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
T2-MA-1-A T2-MA-1	214063783-01 Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Black Mastic On Top Of The Concrete Floor	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 14 %			
T2-MA-1-B T2-MA-1	214063783-02 Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Black Mastic On Top Of The Concrete Floor	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16.5 %			
T2-MA-1-C T2-MA-1	214063783-03 Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Black Mastic On Top Of The Concrete Floor	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 12.3 %			
T2-CMA-1-A T2-CMA-1	214063783-04 Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Carpet Glue	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 20.8 %			
T2-CMA-1-B T2-CMA-1	214063783-05 Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Carpet Glue	No	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 26.4 %			

Client Name: Langan Engineering & Environmental Services

PLM Bulk Asbestos Report

100468204; X882; Project # 1- D10 - X, 1897 Guerlain St.,
Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW # 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
T2-CMA-1-C	214063783-06	No	NAD
T2-CMA-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Carpet Glue		(by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.1 %			
T2-LC-1-A	214063783-07	No	NAD
T2-LC-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Leveling Compound On Floor		(by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
T2-LC-1-B	214063783-08	No	NAD
T2-LC-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Leveling Compound On Floor		(by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
T2-LC-1-C	214063783-09	No	NAD
T2-LC-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Leveling Compound On Floor		(by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
T2-FM-1-A	214063783-10	No	NAD
T2-FM-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Loose Fill - Materials Below Concrete (Mix With Sand / Soil)		(by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
T2-FM-1-B	214063783-11	No	NAD
T2-FM-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Loose Fill - Materials Below Concrete (Mix With Sand / Soil)		(by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Langan Engineering & Environmental Services

PLM Bulk Asbestos Report

100468204; X882; Project # 1- D10 - X, 1897 Guerlain St.,
Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW # 91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
T2-FM-1-C	214063783-12	No	NAD
T2-FM-1	Location: 1897 Guerlain St., Bronx, NY (Tent - 2) [Upper Basement Lounge Area Next To Bar Area] - Loose Fill - Materials Below Concrete (Mix With Sand / Soil)		(by NYS ELAP 198.6) by Bella J. Chernis on 06/18/14
Analyst Description: Black/Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Reporting Notes:

Analyzed by: Bella J. Chernis



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

Table I
Summary of Bulk Asbestos Analysis Results

100468204; X882; Project # 1-D10 - X, 1897 Guerlain St., Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW # 91486

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	T2-MA-1-A	T2-MA-1	0.307	34.5	51.5	14.0	NAD	NAD
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Black Mastic On Top Of The Concrete Flo						
02	T2-MA-1-B	T2-MA-1	0.303	38.0	45.5	16.5	NAD	NAD
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Black Mastic On Top Of The Concrete Flo						
03	T2-MA-1-C	T2-MA-1	0.260	40.0	47.7	12.3	NAD	NAD
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Black Mastic On Top Of The Concrete Flo						
04	T2-CMA-1-A	T2-CMA-1	0.491	38.5	40.7	20.8	NAD	NAD
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Carpet Glue						
05	T2-CMA-1-B	T2-CMA-1	0.603	41.6	32.0	26.4	NAD	NAD
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Carpet Glue						
06	T2-CMA-1-C	T2-CMA-1	0.369	33.9	46.1	20.1	NAD	NAD
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Carpet Glue						
07	T2-LC-1-A	T2-LC-1	---	---	---	---	NAD	NA
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Leveling Compound On Floor						
08	T2-LC-1-B	T2-LC-1	---	---	---	---	NAD	NA
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Leveling Compound On Floor						
09	T2-LC-1-C	T2-LC-1	---	---	---	---	NAD	NA
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Leveling Compound On Floor						
10	T2-FM-1-A	T2-FM-1	0.794	30.7	5.0	64.2	NAD	NA
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Loose Fill - Materials Below Concrete (Mix With Sand / Soil)						
11	T2-FM-1-B	T2-FM-1	0.835	21.1	8.9	70.1	NAD	NA
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Loose Fill - Materials Below Concrete (Mix With Sand / Soil)						
12	T2-FM-1-C	T2-FM-1	1.022	29.5	3.8	66.6	NAD	NA
Location:	1897 Guerlain St., Bronx, NY (Tent - 2)	[Upper Basement Lounge Area Next To Bar Area] - Loose Fill - Materials Below Concrete (Mix With Sand / Soil)						

See Reporting notes on last page

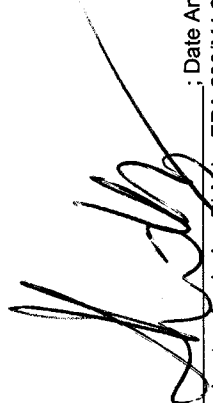
Client Name: Langan Engineering & Environmental Services

Table I

Summary of Bulk Asbestos Analysis Results

100468204; X882; Project # 1- D10 - X, 1897 Guerlain St., Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW # 91486

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
----------------------	----------------	------------	----------------------------	--------------------------------	--------------------------------	------------------------------------------	----------------------------	-------------------------



Analyzed by: Aleksandr Barengolts ; Date Analyzed 6/18/2014
**Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

BULK SAMPLE CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST

PAGE 1 OF 1

Project Name:	Project Manager:	Analysis Requested for Asbestos	Analysis Requested for Lead	Analysis Requested for PCB	Results
X882	100468204 Darshan Desai	PLM NOB	AAS TCLP	EPA Method 8082	
School Name: Project #1 - D10- X	Phone No: 0	PLM	TEM		
Address: 0 1897 Guesbain St	Sampled By: Dixit Kumar Patel				
Site Location: Bronx, NY 10462	License #: 10-21571				
SCA IEH Job #: X882-49756	Sampling Date: 6/17/2014				
LLW #(s): 91486	Sample Location				
Sample ID Number	Description of Sample				
T2-MA-1-A	Black Mastic on top of the	X	X		
-B	Concrete Floor.				
-C					
T2-CMA-1-A	Carpet glue				
-B					
-C					
T2-LC-1-A	Leveling compound on floor				
-B					
-C					
T2-FM-1-A	Loose Fill-Materials below				
-B					
-C					
	Concrete (Mix with sand/soil)				

Comments:

214063783

Requested TAT: 12

Total No. of Samples: 12

Laboratory Instructions: Stop analysis @ 1st positive (>1% by weight) for each homogenous sample group. Please analyze first floor tile mastic. If floor tile mastic is positive (>1%) do not analyze the associated floor tile samples.

Relinquished By:	Samples Received By:
Signature: Dixit Kumar Patel	Signature: Pella Chennais
Date: 6/17/2014	Date: 6/18/14
Time: 8:30am	Time: 1430
Company: LANGAN	Company:

Email results to: ddesai@langan.com, Dpatel@langan.com, pmunirathinam@langan.com

**AmeriSci New York**117 EAST 30TH ST.
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos ReportLangan Engineering & Environmental S
Attn: Vijay Patel
River Drive Center 1

Elmwood Park, NJ 07407

Date Received 06/17/14 **AmeriSci Job #** 214063781
Date Examined 06/18/14 **P.O. #**
ELAP # 11480 **Page** 1 **of** 1
RE: 100468204; X882; Project # 1 - D10 - X, 1894 E. Tremont
Ave., Bronx, NY 10462, SCA IEH Job #: X882-49756, LLW #:
91486

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
T4-FM-1-A 1	214063781-01 Location: (Tent - 4) (Barbershop) - 1894 E. Tremont Ave., Bronx, NY (SB - 3) - Loose Soft Concrete Mixed With Sand / Soil	No	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
T4-FM-1-B 1	214063781-02 Location: (Tent - 4) (Barbershop) - 1894 E. Tremont Ave., Bronx, NY (SB - 3) - Loose Soft Concrete Mixed With Sand / Soil	No	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
T4-FM-1-C 1	214063781-03 Location: (Tent - 4) (Barbershop) - 1894 E. Tremont Ave., Bronx, NY (SB - 3) - Loose Soft Concrete Mixed With Sand / Soil	No	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 06/18/14
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			

Reporting Notes:

Analyzed by: Bella J. Chernis

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

APPENDIX B

LABORATORY CERTIFICATION

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. RAVI KRISHNAPPA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 48678

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
E-Mail: pmucha@amerisci.com
URL: <http://www.amerisci.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200546-0

NVLAP Code Designation / Description

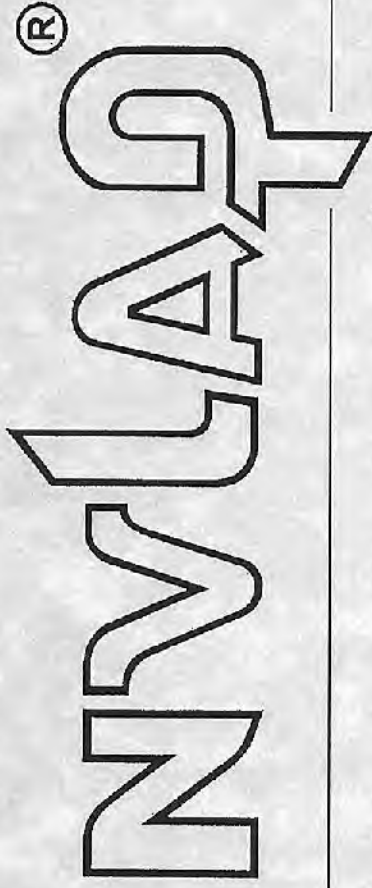
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2013-07-01 through 2014-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2013-07-01 through 2014-06-30

Effective dates



A handwritten signature in dark ink, appearing to read "W. R. M. L. D.", is written over a horizontal line.

For the National Institute of Standards and Technology

APPENDIX C

PERSONAL & COMPANY LICENSES

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Langan Engineering Environmental Surveying and
Landscape Architecture, DPC
8th Floor
21 Penn Plaza
360 West 31st Street
New York, NY 10001

FILE NUMBER: 13-70336
LICENSE NUMBER: 70336
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 01/23/2014
EXPIRATION DATE: 02/28/2015

Duly Authorized Representative – Gerald Zambrella:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Acting Director
For the Commissioner of Labor

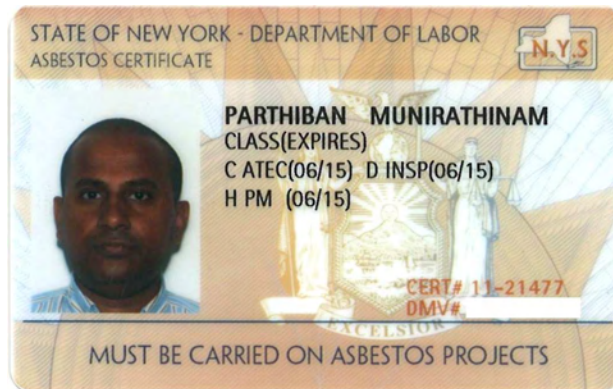
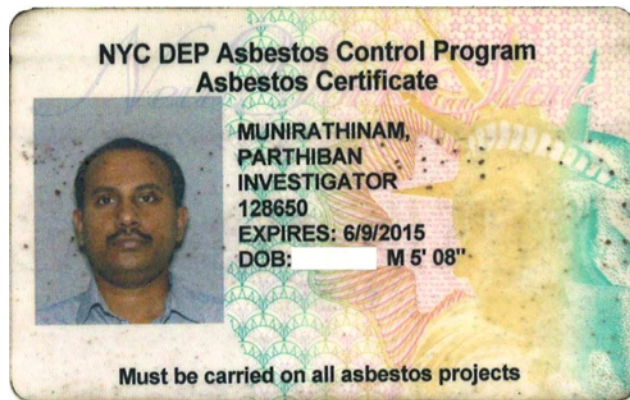
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DIXITKUMAR M PATEL
CLASS(EXPIRES)
C ATEC(12/14) D INSP(12/14)
H PM (12/14)

CERT# 10-21571
DMV# [REDACTED]

MUST BE CARRIED ON ASBESTOS PROJECTS



STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DARSHAN J DESAI

CLASS(EXPIRES)

C ATEC(01/15) D INSP(01/15)

H PM (01/15) I PD (01/15)

CERT# 04-17115

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DARSHAN J. DESAI
CLASS (EXPIRES)
C/ATEC (01/14) D/INSP (01/14)
H/PM (01/14) I/PD (01/14)



CERT# 04-17115
DMV#

MUST BE CARRIED ON ASBESTOS PROJECTS

NYC DEP Asbestos Control Program
Asbestos Certificate

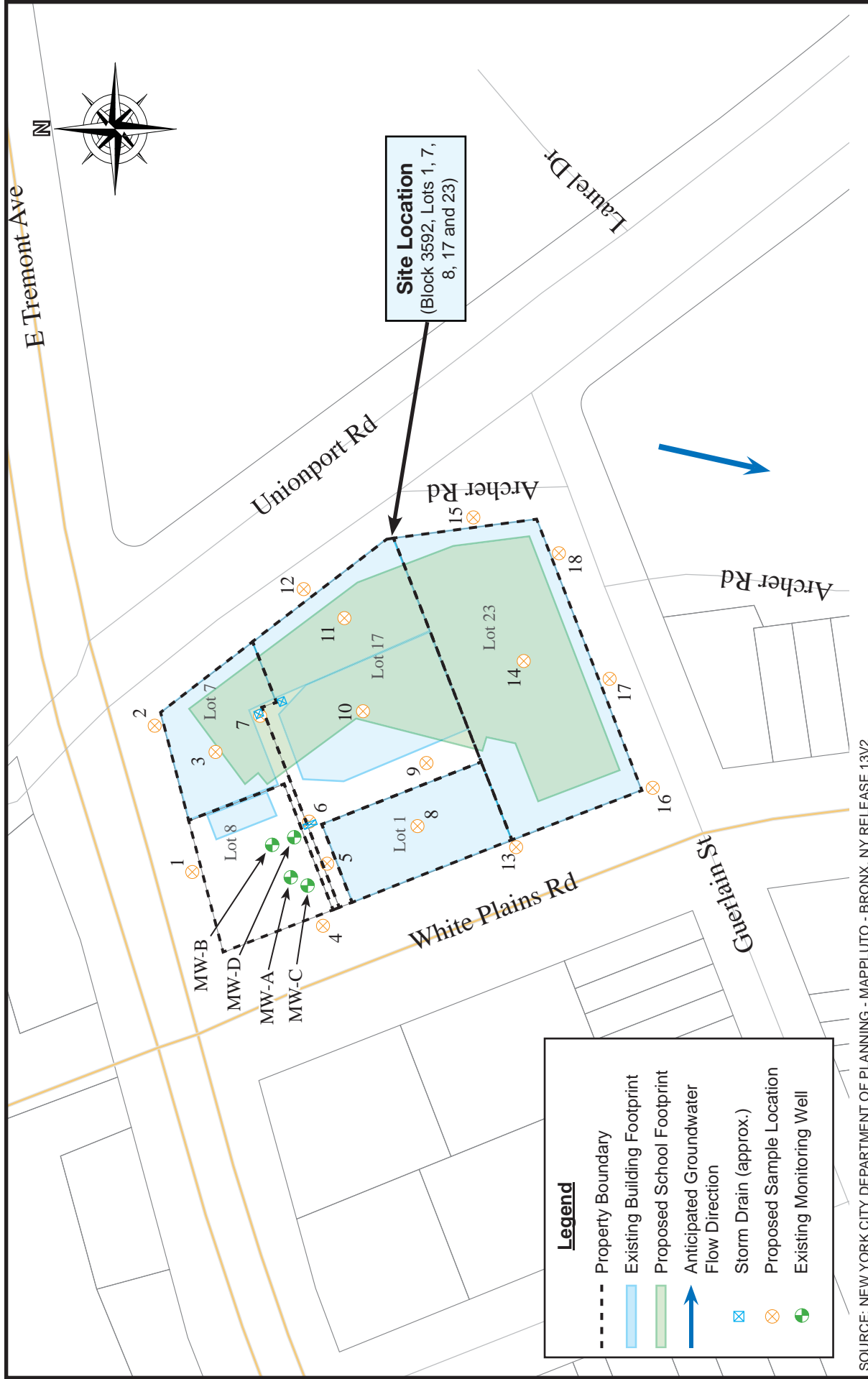


DESAI,
DARSHAN J
INVESTIGATOR
120828
EXPIRES: 1/22/2015

Must be carried on all asbestos projects

APPENDIX D

SCA PROBE REQUEST



NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
1597-1627 UNIONPORT ROAD, 1889-1905 GUERLAIN STREET,
1572-1592 WHITE PLAINS ROAD, AND 1880-1894 EAST TREMONT AVENUE
BRONX, NEW YORK



SITE PLAN AND SAMPLE LOCATIONS

FIGURE 3

100468201

NEW YORK CITY SCHOOL
CONSTRUCTION AUTHORITY

Jun 12, 2014

Survey Proceed Order

Date: June 12, 2014

Langan Eng. & Environmental SV
21 Penn Plaza, 360 W 31st St
New York, NY 10001

Program: A&E S&D FY14 Contract #: C000012721 Job #: 49756

BOE Work Order #(s): N/A

LLW#(s): 091486

This document shall serve as notice that Langan Eng. & Environmental SV is directed to proceed immediately to

Facility: X882
School: PROJECT #1 - D10 - X
Address: ?
District: 0
Borough of: Bronx 10462

and perform all necessary environmental health and safety work in accordance with SCA specifications and as directed by the Industrial and Environmental Hygiene Division. See the attachment to this document for detailed instructions.

Payment requests for work performed shall be prepared and submitted in accordance with the requirements specified within contract documents for contract C000012721 by and between New York City School Construction Authority and Langan Eng. & Environmental SV. Payments will be approved only after receipt of a completed Request for Payment form and all appropriate documentation.

NOTE: NO WORK SHALL BE PERFORMED WHILE SCHOOL IS OCCUPIED.

All work designated for student areas shall be performed during non-school hours (on school days) or on Saturdays, Sundays or school holidays. No work shall commence without prior notification to the SCA representative and the school custodian.

Approved

Date

Copy To: Active Job Folder

Custodian:

Custodian Phone:

SCA Inspector: Yujaya Mikkilineni

Phone: (718)752-5042

Industrial and Environmental
Hygiene Division

**New York City
School Construction Authority
Industrial and Environmental Hygiene**

Survey Job Scope

Page 1 of 1

Facility: X882

School: PROJECT #1 - D10 - X

Contract No: C000012721

Job #: 49756

District: 0

Consultant: Langan Eng. & Environmental S

Consultant/Contractor shall furnish the services described in the areas identified below in accordance with the terms of the contract, and will follow current legal requirements.

Floor	Room	Quantity	Unit Price	Item Price
Var	HAZMAT Asst.	1	600.00	600.00
Description: Pre & Post Probe ACM Survey, Fee Schedule Item				
Var	HAZMAT Asst.	1	2,000.00	2,000.00
Description: Laboratory and sampling reimbursables, Fee Schedule				
Var	HAZMAT Asst.	1	2,000.00	2,000.00
Description: Consultant Labor Reimbursables, Fee Schedule				
Total Price:				\$4,600.00

APPENDIX G

RECOMMENDED REMEDIATION COST ESTIMATES

For the Site to be suitable for construction of a New York City Public School facility, D&B recommends the following:

- Due to VOCs detected in soil vapor above the comparison criteria, an active SSDS and a soil vapor barrier are recommended for inclusion as part of the new school building design.
- If soils at the Site are excavated during construction activities, D&B recommends that the soils be characterized to identify material handling requirements and for material reuse, handling and/or waste disposal requirements and be managed in accordance with federal, state and local regulations and in consideration of the results of the characterization sampling and analysis. Material excavated from the Site is expected to be nonhazardous industrial waste, as defined in the standard NYCSCA 02200 Earthwork Specification section template.
- After the proposed new building and grounds are constructed, if exposed soils (landscaped areas) incorporated into the development of the Site, a minimum of two feet of environmentally clean fill should be placed over existing soil in these areas.
- Any dewatering necessary during school construction activities must be performed in accordance with applicable local, state and federal regulations. Dewatering required during construction should be minimized to mitigate potential influx of contaminated water from off-site sources toward the Site.
- All tanks, piping and appurtenances on the Site should be removed (i.e. gasoline station), and all other underground/aboveground storage tanks should be removed from the Site, and the NYSDEC Petroleum Bulk Storage registration should be updated to reflect the closed status of the tanks.
- To mitigate elevated concentrations of organic compounds, groundwater remediation should be completed followed by long-term groundwater monitoring both on-site and off-site.
- Suspect ACM, LBP, and/or PCB-containing materials should be properly managed during construction or demolition activities.

First Remediation Measure - Contaminated Soil Removal

The cost estimate for the uses the following assumptions:

1. Soil encountered during construction of the 32,000 square foot building will be excavated and disposed of off-site as nonhazardous industrial waste. The existing on-site building currently has a basement and the proposed building will be primarily constructed within the footprint of the existing building. Therefore, it is estimated that 32,000 square feet will be excavated to a depth of 1 foot and two smaller areas outside the existing building footprint (total square footage of approximately 1,600) will be excavated to 15 feet.

Transportation and Disposal of Contaminated Soil Remediation Cost Estimate

Activity	Units	Rate	Cost
Excavator with hoe-ram attachment and operator (local union)	2,100 cy	\$40/cy	\$84,000
Excavation Support Costs (sheet piling, backfill, etc.)	4,800 sf	\$40/sf	\$192,000
Transportation and disposal of nonhazardous industrial waste at a permitted landfill	3,150 tons	\$90/ton	\$283,500
Laboratory analysis of endpoint samples for VOCs/SVOCs	15 samples	\$250/sample	\$3,750
Activity Total Cost			\$563,250
Engineering Costs: (Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses) (15%)			\$84,488
Subtotal Project Costs			\$647,738
15% Contingency on all Costs			\$97,161
Total System Cost (rounded):			\$745,000

* Please note that backfill and compaction costs are not provided in the above table.

Second Remediation Measure – UST/AST, Associated Piping and Contaminated Soil Removal

The cost estimate for the uses the following assumptions:

1. Removal of existing active tanks on Lot 1 including the following: 5 4,000 gallon USTs and one 550 gallon UST; removal of two ASTs on Lots 7 and 17; removal of unknown USTs and ASTs on-site; removal of the associated piping and appurtenances and any associated impacted soil.
2. Performance of endpoint sampling and preparation of tank/spill closure report.

Transportation and Disposal of Contaminated Soil Remediation Cost Estimate

Activity	Units	Rate	Cost
Excavation and tank removals including associated piping	Lump Sum	Lump Sum	\$75,000
Excavation of Contaminated Soil	1,500 cy	\$40/cy	\$60,000
Transportation and disposal of nonhazardous industrial waste at a permitted landfill	2,250 tons	\$90/ton	\$202,500
Laboratory analysis of endpoint samples for VOCs/SVOCs	15 samples	\$250/sample	\$3,750
Activity Total Cost			\$341,250

Activity	Units	Rate	Cost
Engineering Costs: (PBS Registration forms, Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses) (15%)			\$51,190
Subtotal Project Costs			\$392,440
15% Contingency on all Costs			\$58,900
Total System Cost (rounded):			\$451,000

* Please note that backfill and compaction costs are not provided in the above table.

Third Remediation Measure – Groundwater Remediation and Long Term Groundwater Monitoring

The cost estimate for the uses the following assumptions:

1. Injection of ORC into a 15,000 square foot area including Lot 8 and parts of Lots 1 and 10.
2. Installation of 10 groundwater monitoring wells to a depth of 25 feet (5 on-site and 5 off-site) to monitoring effectiveness of groundwater remedial activities.
3. Decommissioning of 8 existing on-site wells in accordance with applicable NYSDEC guidance.
4. Collection of groundwater samples from newly installed wells quarterly for 5 years.
5. Preparation of required annual reporting for groundwater monitoring.

Transportation and Disposal of Contaminated Soil Remediation Cost Estimate

Activity	Units	Rate	Cost
ORC Injection (one injection)	Lump Sum	Per injection	\$600,000
Installation of 10 groundwater monitoring wells	Per well	\$6,000	\$60,000
Decommissioning of 8 groundwater monitoring wells	Per well	\$1,000	\$8,000
Performance of quarterly groundwater monitoring for 5 years	Per quarter	\$12,500	\$250,000
Annual Reporting	5 Reports	\$10,000	\$50,000
Activity Total Cost			\$968,000
Engineering Costs: (Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses) (15%)			\$145,200
Subtotal Project Costs			\$1,113,200
15% Contingency on all Costs			\$166,980
Total System Cost (rounded):			\$1,280,000

First Engineering Control (Soil Vapor Barrier)

The cost estimate for the vapor barrier uses the following assumptions:

1. The proposed 4-story school building includes a basement based on a review of the Feasibility Study dated March 6, 2014.
2. The area of the vapor barrier includes an assumed 32,000-square-foot building footprint and a basement located approximately 12 feet below ground surface. The total assumed area of the basement and basement walls is approximately 41,000 square feet. The total area to be covered by the vapor barrier is approximately 41,000 square feet.

Vapor Barrier Cost Estimate

Activity	Units	Rate	Cost
Install Vapor Barrier (Basement footprint and walls)	41,000 sf	\$10/sf	\$410,000
Engineering Design, Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses (10%)			\$41,000
Subtotal Project Costs			\$451,000
15% Contingency on all Costs			\$67,650
Total Cost (rounded):			\$519,000

Second Engineering Control (Active Sub-Slab Depressurization System (SSDS)) Cost Estimate

Based on the review of the Feasibility Study dated March 6, 2014 for the proposed school building, this cost estimate was developed using the following assumptions:

1. The school building will be a 4-story structure with a basement.
2. The SSDS would underlie the entire 32,000-square-foot footprint of the proposed school building.
3. The major components of the system will consist of sub-slab pits embedded in an 8-inch thick layer of permeable aggregate, roof-mounted suction fans, and steel pipe risers.
4. One (1) sub-slab pit will be required for every 5,000 square feet of building footprint. Therefore, 6 sub-slab pits will be required. The sub-slab pits will be constructed of masonry block and ¾-inch concrete planks.
5. The estimate is limited to capital costs and it does not include operation, monitoring and maintenance costs.

Sub-Slab Depressurization System Cost Estimate

Activity	Units	Rate	Total Cost
Non-Woven Drainage Geotextile	3,600 sy	\$7.50/sy	\$27,000
8 Inches of Gas Permeable Aggregate Backfill and Compaction	790 cy	\$50/cy	\$39,500
Suction Pits and Associated Sub-Slab Piping	6 each	\$8,000/ea	\$48,000
Schedule 40 Steel Pipe Risers (two)	150 linear ft	\$125/linear ft	\$18,750
Roof-Mounted Suction Fans and Accessories	2 ea	\$8,000/ea	\$16,000
Monitoring Points	5 ea	\$800/ea	\$4,000
Testing	1 ea	\$5,000/ea	\$5,000
Activity Total Cost			\$158,250
Engineering Design, Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses (10%)			\$15,825
Subtotal Project Costs			\$174,075
15% Contingency on all Costs			\$26,111
Total Cost (rounded):			\$200,200

Total Engineering Controls and Remediation Cost Estimate

Line Item Description	Cost
First Remediation Measure	\$745,000
Second Remediation Measure	\$451,000
Third Remediation Measure	\$1,280,000
First Engineering Control Cost Estimate	\$519,000
Second Engineering Control Cost Estimate	\$200,200
Approximate Total Cost	\$3,195,200