APPENDIX C

Phase II Investigation Report

PHASE II
ENVIRONMENTAL SITE ASSESSMENT

PROJECT JCS Environmental Consulting Inc. PhII-22333

840 E 233rd St
Bronx, NY 10466

PREPARED FOR

New Millennium Bank
209-35 Northern Blvd. Suite #101
Bayside, NY 11353

June 2, 2016

207 Washington St #208F, Northvale, NJ 07647 TEL 201-543-3817 FAX 201-334-5852
Real Estate Consulting, Environmental Engineering, and Assessment Services

JCS Environmental Consulting Inc.

207 Washington St #208F, Northvale, NJ 07647 TEL (201) 543-3817 FAX (201) 334-5852

June 2, 2016

Katie Kim
New Millennium Bank
209-35 Northern Blvd. Suite #101
Bayside, NY 11353

Dear Ms. Kim:

We appreciate the opportunity to serve you with our professional services in environmental assessment. Please contact us at 201-543-3817 if you have further questions.

Sincerely,

Bradley J. Summerville, P.E.
Project Manager

Steve Oak
MEM

JCS Environmental Consulting Inc.

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May 31, 2016

Client Information

Katie Kyongsuk Kim
New Millennium Bank
209-35 Northern Blvd. Suite #101
Bayside, NY 11353

Subject property

Project #: PhII-22333

840 E 233rd St, Bronx, NY 10466

Dear Ms. Kim,

JCS Environmental Consulting Inc. (JCS) is pleased to submit this letter report summarizing our field activities and laboratory analytical results for samples collected at 840-860 East 233rd Street in the Bronx, New York. These field activities were conducted for a Phase II Site Investigation at the subject property to determine if contamination existed at the site. The site currently operates primarily as a dry cleaner. The site location is identified in **Figure 1**. The site structure consists of a single story building with a basement beneath the eastern half of the building. The site is sloped down to the east so that there is a ground level entrance to the basement.

JCS was retained to investigate the following site features that had been identified as potential recognized environmental conditions (RECs) during a Phase I Environmental Site Assessment at the site:

- Historical Dry Cleaning Operations at the site;
- Current Dry Cleaning Operations at the site;
- One (1) interior floor drain in the basement;
- One (1) sump pit in the basement;
- One (1) fuel oil underground storage tank (UST);
- A gas station adjacent to the subject property.

Field Activities

Field activities consisted of ground penetrating radar (GPR) survey of all accessible areas of the site and the advancement of soil borings near the RECs. When groundwater was encountered, temporary well points were installed to investigate groundwater quality at the site.

GPR Survey

Delta Geophysics (Delta) was retained by JCS to conduct a GPR survey of the entire site on May 17, 2016. The GPR survey traced the drain in the basement of the building to a sanitary sewer cleanout and to the sanitary sewer. The GPR survey located a UST at the location of the fill port

observed off of the northeast side of the site structure. Based on the evidence of a UST on the property, JCS conducted a subsurface investigation of possible impacts to the subject property.

Subsurface Investigation

JCS conducted a subsurface investigation by advancing soil borings in the vicinity of potential RECs at the site. On May 17, 2016, JCS mobilized to the site with a hammer drill and hand auger to investigate potential RECs in the interior of the building. On May 18, 2016, JCS retained Pennington Environmental to advance soil borings and test wells at exterior of the site.

Soils were continuously field screened using a photoionization detector (PID). Samples were collected from the interval at which the highest PID readings were observed. In the event that no elevated PID readings were observed, samples were collected from 6 inches below the depth of the invert for drains or from the first 0-6 inch interval for surface features. All samples were collected as grab samples from a 6 inch interval.

Encountered soils consisted of fine to coarse grade sands with varying amounts of silt, with intermittent layers of sand with silt and clay. Groundwater was encountered at varying depths in the eastern portion of the property as influenced by the depth of rock refusal and the site topography. Soil boring locations are identified on **Figure 2**.

Interior Drain, SB-1

JCS advanced boring SB-1 to investigate soils at the depth of the drain invert. The drain was located at the bottom of a recessed metal basin, at approximately 15 inches bgs. The invert of the drain was located at approximately 9 inches below the bottom of the recessed metal basin. Soils were encountered at approximately 14 inches bgs, beneath wood, concrete, and a void space. Sample SB-1 was collected from 24-30 inches bgs and analyzed for Volatile Organic Compounds with Tentatively Identified Compounds (VOC+TICs).

Historic and Current Dry Cleaning Operations, SB-2

According to an on-site interview with the owner, the historical dry cleaning operations were conducted using a dry cleaning machine located on the first floor. The machine was moved downstairs for one (1) year before being replaced with the current dry cleaning machine. No other personnel on-site interviewed on May 17, 2016, were able to identify the first floor location of the historic dry cleaning machine with certainty. JCS investigated the location of the current dry cleaning machine by boring into the concrete slab using a hammer drill. The boring was unable to be advanced through the concrete, which was at least 7 inches thick. No soils were encountered at SB-2 and thus no sample was collected.

Sump Pump, SB-3

The sump pump is located in the boiler room but discharges to an outdoor pit, into which hot water from dry cleaning operations is also piped. The pit was approximately 16 inches deep. JCS advanced SB-3 to investigate the sump pit. Standing water was encountered at 5 inches bgs in SB-3. Sample SB-3 was collected from 16-22 inches bgs and analyzed for VOC+TICs.

Underground Storage Tank, SB-4, SB-5, SB-6

Delta identified a UST during the GPR investigation. Pennington advanced SB-4 to the west of the UST to 6.5 feet bgs, where rock refusal was encountered. Sample SB-4 was collected from the 6.0-6.5 feet bgs interval. Odors and elevated PID readings were observed at this interval.

Pennington advanced SB-5 to the north of the UST. Rock refusal was encountered at 5.5 feet bgs. Odors and elevated PID readings were observed at the 4.5-5.5 foot interval of

SB-5. Sample SB-5 was collected from 5.0-5.5 feet bgs. SB-6 was advanced to the east of the UST. Refusal was encountered at 7.75 feet bgs. Groundwater was encountered at approximately 7 feet bgs. Elevated PID readings were observed from approximately 6.5-7.75 feet bgs. Sample SB-6 was collected from the 7.0-7.5 feet bgs interval.

SB-4, SB-5, and SB-6 were analyzed for VOC+TICs, Semi-Volatile Organic Compounds (SVOCs) with TICs, polychlorinated biphenyls (PCBs), and TAL Metals.

Temporary well TW-1 was installed at SB-6. Because of the low water level and recharge rate of TW-1, TW-1 was not developed before being sampled. TW-1 was sampled for VOC+TICs, SVOC+TICs, TAL Metals, and PCBs.

Adjacent Gasoline Station, SB-7

Pennington advanced boring SB-7 at the western border of the subject property to investigate potential impacts from the gas station adjacent to the property to the west. SB-7 was advanced to 11.5 feet, where rock refusal was encountered. Impacts of elevated PID readings and/or odors were observed in the lower 3 foot interval. Sample SB-7 was collected from the 11.0-11.5 feet bgs interval and was analyzed for VOC+TICs, SVOC+TICs, PCBs, and TAL Metals.

Historical Dry Cleaning Operations and General Site Characterization, SB-8 and SB-9

Pennington advanced SB-8 to the east of the site structure to a depth of 14.5 feet bgs to investigate any impacts of historical dry cleaning operations downgradient of the site structures. An elevated PID reading was initially observed beneath the top asphalt layer, possibly indicative of trapped soil gases. Elevated PID readings were observed from 4 feet bgs down to 14.5 feet bgs. Two (2) samples were collected from SB-8 at depths of 7.0-7.5 feet bgs and from 14.0-14.5 feet bgs and were analyzed for VOC+TICs, SVOC+TICs, PCBs, and TAL Metals.

Groundwater was encountered at approximately 12 feet bgs in SB-8. A sheen was observed on the water. Because of the low quantity of water and low recharge rates at TW-2, TW-2 was not developed before sampling. Temporary well TW-2 was installed at SB-8 and was sampled for VOC+TICs, SVOC+TICs, TAL Metals, and PCBs.

Pennington advanced SB-9 to the southeast of the site structure to a depth of 15 feet bgs. Elevated PID readings were observed starting at approximately 6 feet bgs to terminal depth. Groundwater was encountered at approximately 9 feet bgs. Temporary well point TW-3 was installed at SB-9. TW-3 was developed and was sampled for VOC+TICs, SVOC +TICs, TAL metals, and PCBs. During the collection of the sample for SVOCs, metals, and PCBs, the tubing was lowered because of low groundwater recharge rates. This action disturbed sediment and muddied the water collected from TW-3 for SVOC, metals, and PCB analysis.

Soil boring depths, soil descriptions, and sample depths are provided in the boring logs included as **Attachment 1**. All samples were placed directly into laboratory prepared bottleware, placed into a cooler, and maintained at 4° C for transport to the laboratory for analysis. The samples were submitted under proper chain of custody to Accutest Laboratories (Accutest) of Dayton, New Jersey.

Laboratory Analytical Results

A summary of all samples and analyses is included as **Table 1**. JCS compared the laboratory analytical results to New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) Unrestricted Use (UU), Restricted Residential (RR) and Commercial standards. Laboratory analytical results are summarized below. Groundwater results were compared to NYSDEC TOGS Class

GA Groundwater Quality Standards (TOGS) Soil analytical detections are summarized on **Table 2** through **Table 5**. Groundwater analytical detections are summarized on **Table 6** through **Table 8**. The laboratory report is included as **Attachment 2**.

Interior Drain, SB-1
No VOCs were detected in sample SB-1 above NYSDEC UU SCOs.

Historic and Current Dry Cleaning Operations, SB-2
No sample was collected from SB-2.

Sump Pump, SB-3
No VOCs were detected in sample SB-3 above NYSDEC UU SCOs.

Underground Storage Tank, SB-4, SB-5, SB-6
VOCs and SVOCs analyzed for in samples SB-4, SB-5, and SB-6 were detected below NYSDEC UU SCOs. PCBs were not detected in SB-4, SB-5, and SB-6. Trivalent chromium was detected above its NYSDEC UU SCO in SB-4. Hexavalent chromium was detected above its NYSDEC UU SCO in SB-5. VOCs and SVOCs analyzed for in groundwater collected in TW-1 were below NYSDEC TOGS standards. PCBs were not detected in TW-1. Iron, manganese and sodium were detected above their respective standards in TW-1. However, PID impacts and odors were observed in these borings.

Adjacent Gasoline Station, SB-7
Ethylbenzene, m,p-xylene, and o-xylene were detected above NYSDEC UU SCOs in SB-7. The presence of these compounds, commonly found in gasoline, indicate that the site may be impacted by the adjacent gasoline station.

Historical Dry Cleaning Operations and General Site Characterization, SB-8 and SB-9
Tetrachloroethene was detected above its NYSDEC UU SCO in sample SB-8-1. This compound was formerly used on the site as part of dry cleaning operations.

No compounds were found above NYSDEC UU SCOs in SB-8-2, although elevated PID readings and odors were observed.

Groundwater collected in TW-2 was analyzed and found to contain the VOCs 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, isopropylbenzene, tetrachloroethene, trichloroethene, and vinyl chloride above NYSDEC TOGS standards. TW-2 also contained the SVOC 1,1'-biphenyl above the NYSDEC TOGS standard. PCBs were not detected in TW-2.

TW-3 was found to contain the VOCs chloroethane, cis-1,2-dichloroethene, and vinyl chloride above TOGS standards. TW-3 contained the metals arsenic, barium, chromium, copper, iron, lead, manganese, and nickel above TOGS standards. The laboratory noted that method detection limits were elevated for metals analyses in TW-3 due to difficulties with the sample matrix. This is likely due to sediment collected during the lowering of the tubing intake during pumping.

Conclusions and Recommendations

JCS completed a limited Phase II Site Investigation at the subject property. The investigation included a GPR survey, advancement of soil borings, installation of temporary monitoring wells, and collection of soil and groundwater samples.

The GPR Survey indicted the presence of a UST under the fill pipe observed in the asphalt parking lot. Impacts related to a potential UST spill were observed as PID readings and odors in the three (3) borings advanced around the UST. The analytical results of the three (3) soil samples and one (1) groundwater sample were reported below NYSDEC standards. JCS recommends the proper removal of the UST.

Based on laboratory analytical results, the subject property may have been impacted by the gas service station located to the west of the subject property. Further investigation should be conducted to confirm liability for environmental impacts on the site. JCS recommends doing a file review to determine whether environmental impacts from the gasoline station have been previously identified and delineated.

Based on laboratory analytical results, the eastern downgradient portion of the subject property may have been affected by historical dry cleaning operations on the site. Elevated concentrations of VOCs were observed in both soil and groundwater samples. JCS recommends further investigation to delineate potential dry cleaning impacts on the subject property and potentially on adjacent properties.

Based on field observations including odors and PID readings and laboratory analytical results, VOCs with the potential to create a vapor intrusion hazard to employees exist at the subject property. High PID readings were observed under asphalt in SB-8, indicating that vapors may migrate upwards from soil and groundwater impacted with VOCs. JCS recommends completing a vapor intrusion screening investigation at the subject property.

Limitations

The opinion expressed herein is based on the information collected during our study, our present understanding of the site conditions and our professional judgment in light of such information at the time of preparation of this opinion. The report is a professional opinion work, and no warranty is either expressed, implied or made as to the conclusions, advice and recommendations offered in this report.

Our investigation was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable Engineers and Geologists practicing in this or similar localities. The samples taken and used for testing and the observations made are believed representative of the study area; however, soil and/or groundwater samples can vary significantly between borings, test pits, and/or test sample locations.

The interpretations and conclusions contained in this report are based on the results of laboratory tests and analysis intended to detect the presence and concentration of certain chemical constituents in samples taken from the subject property. Consultant has no involvement in, or control over, such testing and analysis and has no non-laboratory means of confirming the accuracy of such laboratory results. Consultant, therefore, disclaims any responsibility for any inaccuracy in such laboratory results.

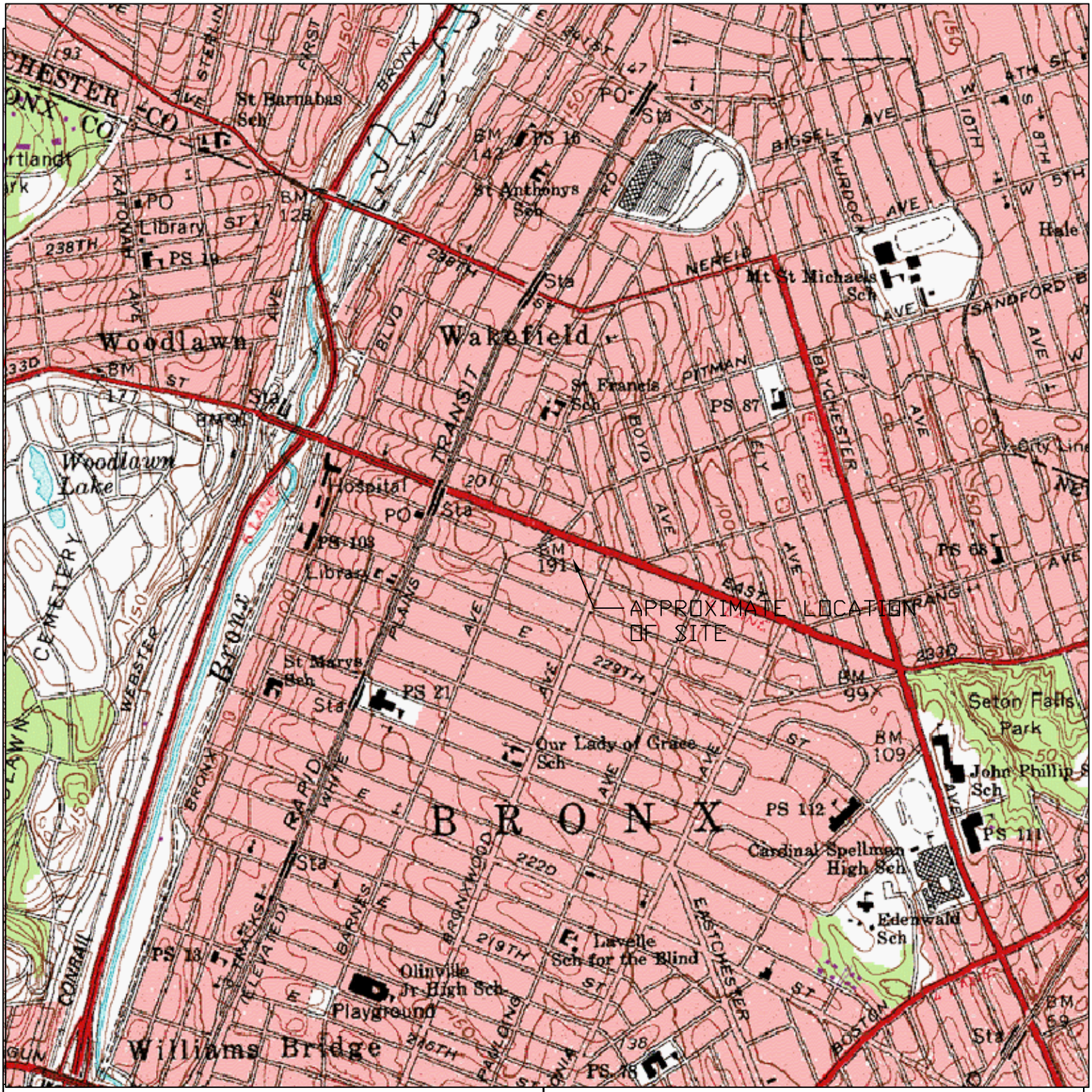
The findings, conclusions and recommendations in this report are considered valid as of the present date. However, changes in the conditions of the property can occur with the passage of time, due to natural process or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standard may occur. Accordingly, portions of this report may be invalidated wholly or partially by the changes beyond our control.

Sincerely,

Bradley J. Summerville, P.E.
Project Manager

Steve Oak
MEM

FIGURES

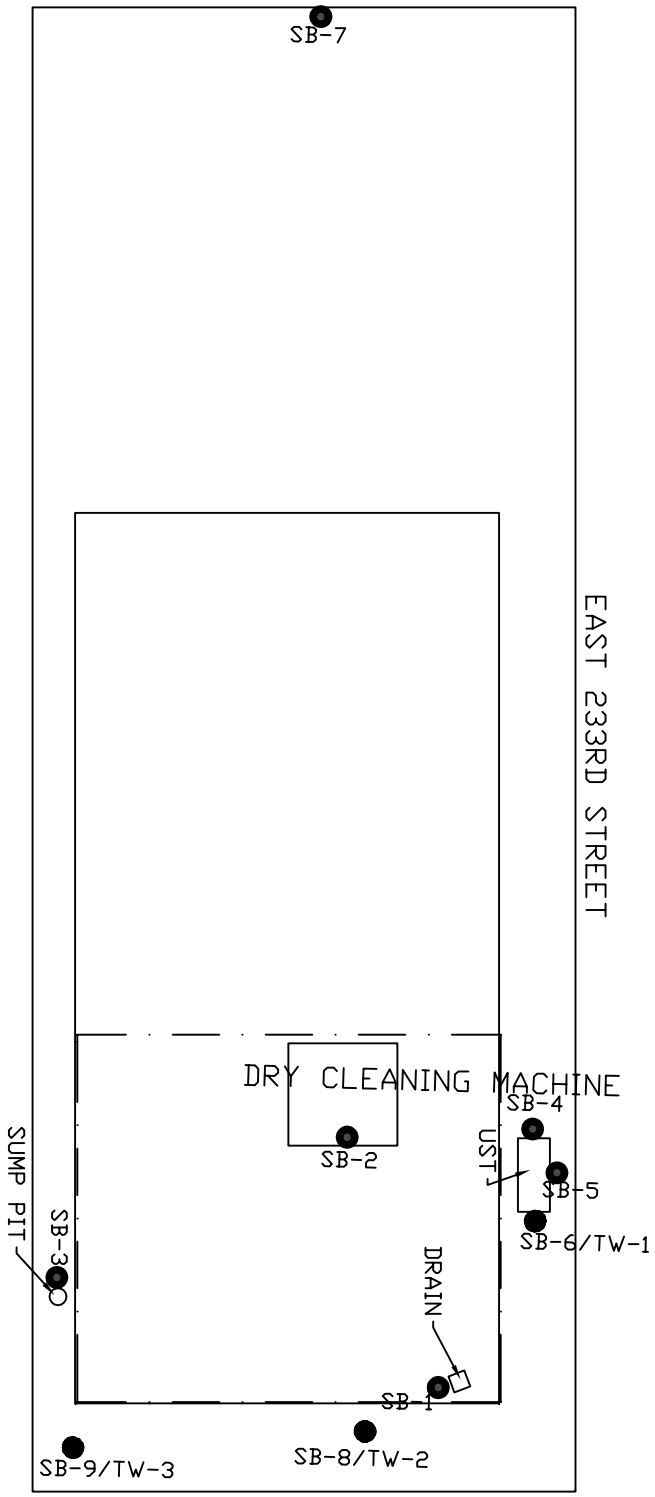


PHASE II SITE INVESTIGATION
840-860 EAST 233RD STREET
BRONX, NY

FIGURE 1
SITE LOCATION MAP

JCS ENVIRONMENTAL
207 WASHINGTON STREET, SUITE 208F
NORTHVALE, NEW JERSEY 07647

	DRAWN BY: BNS	CHECKED BY: BJS
DATE: MAY 25, 2016	SIZE: LETTER	SCALE: 1" = 1,400'



PHASE II SITE INVESTIGATION
840-860 EAST 233RD STREET
BRONX, NY

LEGEND:

— · — · — BASEMENT AREA

FIGURE 2
BORING LOCATION MAP

JCS ENVIRONMENTAL
207 WASHINGTON STREET, SUITE 208F
NORTHVALE, NEW JERSEY 07647

	DRAWN BY: BNS	CHECKED BY: BJS
DATE: MAY 26, 2016	SIZE: LETTER	SCALE:1"=20' APPROX

TABLES

Table 1
Sample Summary
840-860 East 233rd Street
Bronx, NY

Sample Name	Lab ID	Date	Time	Matrix	Depth	Analysis	Location/AOC
SB-1	JC20538-1	5/17/2016	15:40	Soil	24-30"	VOC+TIC	Interior Drain
SB-3	JC20538-2	5/17/2016	14:00	Soil	16-22"	VOC+TIC	Sump Pit
SB-4	JC20538-5	5/18/2016	11:50	Soil	6.0-6.5"	VOC+TIC	West of UST
SB-5	JC20583-3	5/18/2016	11:00	Soil	5.0-5.5'	VOC+TIC, SVOC+TIC, PCB, Metals	North of UST
SB-6	JC20583-4	5/18/2016	11:25	Soil	7.0-7.5'	VOC+TIC, SVOC+TIC, PCB, Metals	East of UST
SB-7	JC20538-6	5/18/2016	12:40	Soil	11.0-11.5'	VOC+TIC, SVOC+TIC, PCB, Metals	Western Border of Property/Gas Station
SB-8-1	JC20538-7	5/18/2016	13:50	Soil	7.0-7.5'	VOC+TIC, SVOC+TIC, PCB, Metals	Eastern border of Property/Site Operations
SB-8-2	JC20538-8	5/18/2016	14:25	Soil	14.0-14.5'	VOC+TIC, SVOC+TIC, PCB, Metals	Eastern border of Property/Site Operations
TW-1	JC20538-9	5/18/2016	12:05	Groundwater	NA	VOC+TIC, SVOC+TIC, PCB, Metals	SB-6
TW-2	JC20538-10	5/18/2016	15:10	Groundwater	NA	VOC+TIC, SVOC+TIC, PCB, Metals	SB-8
TW-3	JC20538-11	5/18/2016	16:20	Groundwater	NA	VOC+TIC, SVOC+TIC, PCB, Metals	SB-9

Table 2 Soil Analytical Results - Volatile Organic Compounds
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375 6 12/06)	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8-1	SB-8-2
Lab Sample ID:				JC20538-1	JC20538-2	JC20538-5	JC20538-3	JC20538-4	JC20538-6	JC20538-7	JC20538-8
Date Sampled:				5/17/2016	5/17/2016	5/18/2016	5/18/2016	5/18/2016	5/18/2016	5/18/2016	5/18/2016
Depth:				24-30"	16-22"	6.0-6.5'	5.0-5.5'	7.0-7.5'	11.0-11.5'	7.0-7.5'	14.0-14.5'
GC/MS Volatiles (SW846 8260C) (ug/kg)											
Acetone	50	100000	500000	5.2 J	7.1 J	38.2	38.6	ND (92)	ND (95)	ND (90)	3.2 J
2-Butanone (MEK)	120	100000	500000	ND (1.4)	ND (1.5)	6.8 J	4.5 J	ND (87)	ND (89)	ND (84)	ND (1.3)
Carbon disulfide	NS	NS	NS	0.25 J	ND (0.15)	0.42 J	0.25 J	ND (8.4)	ND (8.6)	ND (8.1)	ND (0.13)
Cyclohexane	NS	NS	NS	ND (0.43)	ND (0.47)	ND (0.50)	2.7	ND (27)	480	ND (26)	ND (0.41)
cis-1,2-Dichloroethene	250	100000	500000	ND (0.35)	0.95	ND (0.40)	ND (0.40)	ND (22)	ND (22)	35.1 J	5.5
Ethylbenzene	1000	41000	390000	ND (0.12)	ND (0.13)	ND (0.14)	0.45 J	ND (7.4)	**1510**	ND (7.1)	ND (0.11)
Isopropylbenzene	NS	NS	NS	ND (0.12)	ND (0.13)	2.7	12	ND (7.6)	1040	ND (7.4)	0.59 J
Methylcyclohexane	NS	NS	NS	ND (0.40)	ND (0.44)	2.2	36.4	ND (25)	3290	ND (24)	1.6
Methylene chloride	50	100000	500000	ND (0.27)	0.71 J	0.51 J	0.80 J	ND (17)	ND (17)	ND (16)	0.34 J
Tetrachloroethene	1300	19000	150000	9.7	1.4 J	0.73 J	ND (0.26)	ND (14)	ND (14)	**5930**	13.6
Trichloroethene	470	21000	200000	ND (0.15)	ND (0.17)	0.32 J	ND (0.18)	ND (9.4)	ND (9.6)	42.6 J	1.9
m,p-Xylene	260	100000	500000	ND (0.17)	ND (0.19)	ND (0.20)	ND (0.20)	ND (11)	**13300**	ND (10)	ND (0.16)
o-Xylene	260	100000	500000	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.19)	ND (10)	**4560**	ND (9.7)	ND (0.15)
Xylene (total)	260	100000	500000	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.19)	ND (10)	**17900**	ND (9.7)	ND (0.15)

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/kg - micrograms per kilogram
NY SCO - New York Soil Cleanup Objectives
BOLD - Concentration exceeds a NY SCO

Table 3 Soil Analytical Results - Semi-Volatile Organic Compounds
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-4	SB-5	SB-6	SB-7	SB-8-1	SB-8-2
Lab Sample ID:				**JC20538-5**	**JC20538-3**	**JC20538-4**	**JC20538-6**	**JC20538-7**	**JC20538-8**
Date Sampled:				**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**
Depth:				**6.0-6.5'**	**5.0-5.5'**	**7.0-7.5'**	**11.0-11.5'**	**7.0-7.5'**	**14.0-14.5'**
GC/MS Volatiles (SW846 8260C) (ug/kg)									
Acenaphthene	20000	100000	500000	ND (13)	ND (13)	17.3 J	ND (13)	ND (13)	29.1 J
Benzo(a)anthracene	1000	1000	5600	38.4	49.3	ND (10)	ND (11)	ND (11)	ND (10)
Benzo(a)pyrene	1000	1000	1000	24.2 J	34.3 J	ND (16)	ND (17)	ND (17)	ND (16)
Benzo(b)fluoranthene	1000	1000	5600	42.8	44.9	ND (16)	ND (17)	ND (17)	ND (16)
Benzo(g,h,i)perylene	100000	100000	500000	22.5 J	30.5 J	ND (18)	ND (19)	ND (19)	ND (18)
Benzo(k)fluoranthene	800	3900	56000	ND (17)	23.3 J	ND (17)	ND (18)	ND (17)	ND (17)
1,1'-Biphenyl	NS	NS	NS	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.2)	125	39.2 J
Chrysene	1000	3900	56000	59	80.7	ND (11)	ND (12)	ND (12)	ND (11)
Dibenzo(a,h)anthracene	330	330	560	ND (16)	19.0 J	ND (16)	ND (17)	ND (17)	ND (16)
Dibenzofuran	7000	59000	350000	ND (15)	ND (15)	ND (15)	ND (15)	87.5	ND (15)
Fluoranthene	100000	100000	500000	80.7	145	ND (16)	ND (17)	ND (17)	ND (16)
Fluorene	30000	100000	500000	189	629	26.9 J	ND (17)	134	ND (16)
Indeno(1,2,3-cd)pyrene	500	500	5600	ND (17)	26.1 J	ND (17)	ND (18)	ND (18)	ND (17)
2-Methylnaphthalene	NS	NS	NS	ND (8.3)	ND (8.2)	ND (8.1)	788	ND (8.4)	ND (8.1)
Naphthalene	12000	100000	500000	ND (10)	ND (10)	ND (10)	386	ND (11)	ND (10)
Phenanthrene	100000	100000	500000	ND (12)	ND (12)	ND (12)	ND (13)	251	127
Pyrene	100000	100000	500000	404	542	31.8 J	ND (12)	35.2 J	ND (11)
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	ND (9.4)	ND (9.3)	ND (9.1)	ND (9.7)	ND (9.5)	ND (9.1)

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/kg - micrograms per kilogram
NY SCO - New York Soil Cleanup Objectives
BOLD - Concentration exceeds a NY SCO

Table 4 Soil Analytical Results - PCBs
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375 6 12/06)	SB-4	SB-5	SB-6	SB-7	SB-8-1	SB-8-2
Lab Sample ID:				**JC20538-5**	**JC20538-3**	**JC20538-4**	**JC20538-6**	**JC20538-7**	**JC20538-8**
Date Sampled:				**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**
Depth:				**6.0-6.5'**	**5.0-5.5'**	**7.0-7.5'**	**11.0-11.5'**	**7.0-7.5'**	**14.0-14.5'**
GC Semi-volatiles (SW846 8082A) (ug/kg)									
Aroclor 1242	100	1000	1000	ND (12)	ND (13)	ND (12)	ND (35)	95.5	ND (13)

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/kg - micrograms per kilogram
NY SCO - New York Soil Cleanup Objectives
BOLD - Concentration exceeds a NY SCO

Table 5 Soil Analytical Results - Metals
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-4	SB-5	SB-6	SB-7	SB-8-1	SB-8-2
Lab Sample ID:				**JC20538-5**	**JC20538-3**	**JC20538-4**	**JC20538-6**	**JC20538-7**	**JC20538-8**
Date Sampled:				**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**	**5/18/2016**
Depth:				**6.0-6.5'**	**5.0-5.5'**	**7.0-7.5'**	**11.0-11.5'**	**7.0-7.5'**	**14.0-14.5'**
Metals Analysis (mg/kg)									
Aluminum	NS	NS	NS	7390	9080	9910	6920	11000	5960
Arsenic	13	16	16	2.2	2.9	<2.2	<2.2	2.3	<2.2
Barium	350	400	400	94.1	67.7	74.7	59.8	76.6	45.9
Beryllium	7.2	72	590	0.26	0.33	0.42	0.3	0.43	0.28
Calcium	NS	NS	NS	1530	1240	2110	1470	1850	12300
Chromium	30	180	1500	**40.7**	22.9	21.7	13.3	26.9	12.9
Chromium, Hexavalent	1	110	400	0.82	**1.1**	0.46	<0.46	0.67	<0.44
Cobalt	NS	NS	NS	7.5	6.9	7.1	6.3	7.2	<5.6
Copper	50	270	270	32.3	34.1	18.8	16.7	23	11.6
Iron	NS	NS	NS	10900	10200	16800	12200	17400	10100
Lead	63	400	1000	30.8	57.3	4.6	3.4	4.9	3.8
Magnesium	NS	NS	NS	3120	2340	3870	2630	3990	5670
Manganese	1600	2000	10000	159	101	428	222	227	243
Mercury	0.18	0.81	2.8	<0.036	0.047	<0.034	<0.036	<0.036	<0.034
Nickel	30	310	310	25.9	16.8	17.1	14.9	17.2	16.9
Potassium	NS	NS	NS	1170	<1100	2150	1490	2030	1220
Silver	2	180	1500	0.74	<0.57	<0.54	<0.55	0.75	0.59
Vanadium	NS	NS	NS	23.6	27	25.5	19.8	30.6	13.7
Zinc	109	10000	10000	50.8	59.4	33.7	39.5	34.7	20.3

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/kg - micrograms per kilogram
NY SCO - New York Soil Cleanup Objectives
BOLD - Concentration exceeds a NY SCO

Table 6 Groundwater Analytical Results - Volatile Organic Compounds
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	**NY TOGS Class GA GW Standards (NYSDEC 6/2004)1**	**TW-1**	**TW-2**	**TW-3**
Lab Sample ID:		**JC20538-9**	**JC20538-10**	**JC20538-11**
Date Sampled:		**5/18/2016**	**5/18/2016**	**5/18/2016**
Matrix:		**Ground Water**	**Ground Water**	**Ground Water**
GC/MS Volatiles (SW846 8260C) (ug/L)				
Chloroethane	5	ND (0.44)	ND (44)	**5.8**
1,1-Dichloroethene	5	ND (0.20)	**25.4 J**	0.67 J
cis-1,2-Dichloroethene	5	ND (0.31)	**39000**	**360**
trans-1,2-Dichloroethene	5	ND (0.36)	**150**	4.9
Isopropylbenzene	5	ND (0.16)	**20.1 J**	1.5
Methylcyclohexane	NS	ND (0.78)	ND (78)	5.6
Tetrachloroethene	5	ND (0.23)	**9360**	ND (0.23)
Trichloroethene	5	ND (0.26)	**4520**	0.42 J
Vinyl chloride	2	ND (0.33)	**499**	**359**
Total TIC, Volatile	NS	0	0	296 J

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/L - micrograms per liter
BOLD - Concentration exceeds a NY Groundwater Standard

Table 7 Groundwater Analytical Results - Semi-Volatile Organic Compounds
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	**NY TOGS Class GA GW Standards (NYSDEC 6/2004)[1]**	**TW-1**	**TW-2**	**TW-3**
Lab Sample ID:		**JC20538-9**	**JC20538-10**	**JC20538-11**
Date Sampled:		**5/18/2016**	**5/18/2016**	**5/18/2016**
Matrix:		**Ground Water**	**Ground Water**	**Ground Water**
GC/MS Semi-volatiles (SW846 8270D) (ug/L)				
Acenaphthene	NS	ND (0.20)	7.5	ND (0.21)
1,1'-Biphenyl	5	ND (0.22)	**6.7**	ND (0.24)
Carbazole	NS	ND (0.24)	4	4.9
Dibenzofuran	NS	ND (0.23)	9	9.2
Fluoranthene	NS	ND (0.18)	0.58 J	0.67 J
Fluorene	NS	ND (0.18)	9.7	6.9
Phenanthrene	NS	ND (0.18)	30.5	ND (0.19)
Pyrene	NS	ND (0.23)	2.2	2.6
Total TIC, Semi-Volatile	NS	0	2170 J	1163 J

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/L - micrograms per liter
BOLD - Concentration exceeds a NY Groundwater Standard

Table 8 Groundwater Analytical Results - Metals
Sample Detection Summary
840-860 East 233rd Street
Bronx, NY

Sample ID:	**NY TOGS Class GA GW Standards (NYSDEC 6/2004)[1]**	**TW-1**	**TW-2**	**TW-3**
Lab Sample ID:		**JC20538-9**	**JC20538-10**	**JC20538-11**
Date Sampled:		**5/18/2016**	**5/18/2016**	**5/18/2016**
Matrix:		**Ground Water**	**Ground Water**	**Ground Water**
Metals Analysis (ug/L)				
Aluminum	NS	5910	5420	167000 [a]
Arsenic	25	<3.0	3.1	**50.0 [a]**
Barium	1000	<200	<200	**2800 [a]**
Beryllium	NS	<1.0	<1.0	10.0 [a]
Calcium	NS	50700	38900	172000 [a]
Chromium	50	23.5	19.4	**658 [a]**
Copper	200	18.6	19.6	**496 [a]**
Iron	300	**8450**	**9270**	**331000 [a]**
Lead	25	8.2	5.2	**184 [a]**
Magnesium	NS	9740	15600	106000 [a]
Manganese	300	**1540**	**4680**	**17100 [a]**
Nickel	100	15.2	17.2	**388 [a]**
Sodium	20000	**97800**	**43800**	<50000 [a]
Vanadium	NS	<50	<50	544 [a]
Zinc	NS	<20	46.6	757 [a]

Notes
NS - No standard.
J- Concentration is approximate.
ND - Not detected above the laboratory method detection limit.
Only compounds present above the laboratory detection limit are listed.
ug/L - micrograms per liter
BOLD - Concentration exceeds a NY Groundwater Standard
[a] Elevated sample detection limit due to difficult sample matrix.

ATTACHMENTS

ATTACHMENT 1

SOIL BORING LOGS

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-1
Site: 840-860 East 233rd Street, Bronx, NY	
	Drilling Method: Hand Operated Equipment
Date: 5/17/16	Drilling Equip: Hammer Drill and Hand Auger
Total Boring Depth: 30 inches	Static Water: Not encountered

GEOLOGIC LOG	Depth (in)	PID (ppm)	Sample Depth (ft)
Plywood	0.0-0.05	NA	
Void Space	0.05-1.0	NA	
	1.0-2.0	NA	
	2.0-3.0	NA	
White concrete	3.0-4.0	NA	
	4.0-5.0	NA	
	5.0-6.0	NA	
	6.0-7.0	NA	
	7.0-8.0	NA	
	9.0-10.0	NA	
	10.0-11.0	NA	
	11.0-12.0	NA	
	12.0-13.0	NA	
	13.0-14.0	NA	
Gray concrete	14.0-15.0	NA	
	15.0-16.0	NA	
	16.0-17.0	NA	
Moist gray, black, tan coarse sand and clay	17.0-18.0	0.0	
	18.0-19.0	0.0	
Red brown fine to coarse sand and clay, little gravel, little glass	19.0-20.0	0.0	
	20.0-21.0	0.0	
	21.0-22.0	0.0	
	22.0-23.0	0.0	
	23.0-24.0	0.0	
	24.0-25.0	0.0	SB-1
	25.0-26.0	0.3	
	27.0-28.0	0.4	
	28.0-29.0	0.0	
	29.0-30.0	0.0	

Boring terminated at 30 inches bgs. SB-1 collected from 24-30 inches bgs.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-2
Site: 840-860 East 233rd Street, Bronx, NY	
	Drilling Method: Hand Operated Equipment
Date: 5/17/16	Drilling Equip: Hammer Drill and Hand Auger
Total Boring Depth: 7 inches	Static Water: Not encountered

GEOLOGIC LOG	Depth (in)	Sample Depth (ft)
Concrete	0-1.0	
	1.0-2.0	
	2.0-3.0	
	3.0-4.0	
	4.0-5.0	
	5.0-6.0	
	6.0-7.0	
Boring terminated at 7 inches bgs. No sample collected.		

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-3
Site: 840-860 East 233rd Street, Bronx, NY	
	Drilling Method: Hand-Operated Equipment
Date: 5/17/16	Drilling Equip: Hammer Drill and Hand Auger
Total Boring Depth: 22 inches	Static Water: 5 inches bgs

GEOLOGIC LOG	Depth (in)	Sample Depth (ft)
Concrete	0-1.0	
	1.0-2.0	
Gravel	2.0-3.0	
	3.0-4.0	
	4.0-5.0	
Wet brown fine sand, little clay	5.0-6.0	
	6.0-7.0	
	7.0-8.0	
	9.0-10.0	
	10.0-11.0	
	11.0-12.0	
	12.0-13.0	
	13.0-14.0	
	14.0-15.0	
	15.0-16.0	
	16.0-17.0	SB-3
	17.0-18.0	
	18.0-19.0	
	19.0-20.0	
	20.0-21.0	
	21.0-22.0	

Boring terminated at 22 inches bgs. SB-3 collected from 16-22 inches bgs. Soil is too wet for use of PID.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-4-A and 4-B
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 6.5 feet	Static Water: Not Encountered

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Asphalt	0.0-0.25	14	0.0	
Red brown fine sand and silt	0.25-0.5		0.0	
	0.5-1.0		0.0	
	1.0-1.5		0.0	
	1.5-2.0		0.0	
Gravel	2.0-2.5		0.0	
Brown coarse sand and gravel	2.5-3.0	32	0.0	
	3.0-3.5		0.0	
	3.5-4.0		0.0	
Brown coarse sand	4.0-4.5		0.0	
	4.5-5.0		0.0	
	5.0-5.5		0.0	
	5.5-6.0		0.0	
Black coarse sand, odor	6.0-6.5		26.8	SB-4

Basalt refusal at 6' in SB-4A (no recovery from 4-6 ft bgs). SB-4B drilled at an angle through SB-4-A hole (from 2.5-6.5 ft bgs.) Basalt refusal at 6.5' in SB-4B. Sample SB-4 collected from 6.0-6.5 ft bgs.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-5-A
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 5.5 feet	Static Water: Not Encountered

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Asphalt	0.0-0.25		0.0	
Fine to coarse sand and gravel	0.25-0.5		0.0	
	0.5-1.0		0.0	
Concrete	1.0-1.5		0.0	
Fine to coarse red brown sand	1.5-2.0	30	0.0	
Same as above with little glass	2.0-2.5		0.0	
Fine brown sand and silt, some clay	2.5-3.0		0.0	
	3.0-3.5		0.0	
	3.5-4.0		0.0	
	4.0-4.5		0.0	
	4.5-5.0	3	0.0	
Same as above with odor	5.0-5.5		42.1	SB-5

Boring terminated at 5.5 feet bgs because of basalt refusal. Sample SB-5 collected from 5.0-5.5 feet bgs from SB-5-A and SB-5-B. Second boring advanced because of low recovery in impacted area.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-5-B
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 5.5 feet	Static Water: Not Encountered

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Asphalt	0.0-0.25		0.0	
Fine to coarse sand and gravel	0.25-0.5		0.0	
	0.5-1.0		0.0	
Fine to coarse red brown sand	1.0-1.5		0.0	
	1.5-2.0	30	0.0	
Fine brown sand and silt, some clay	2.0-2.5		0.0	
	2.5-3.0		0.0	
	3.0-3.5		0.0	
	3.5-4.0		0.0	
	4.0-4.5		0.0	
Gray coarse sand	4.5-5.0		0.0	
Gray coarse sand, with odor	5.0-5.5		4.1	SB-5

Boring terminated at 5.5 feet bgs because of basalt refusal. Sample SB-5 collected from 5.0-5.5 feet bgs from SB-5-A and SB-5-B. Second boring advanced because of low recovery in impacted area.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-6
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 7.75 feet	Static Water: 7 feet bgs

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Asphalt	0.0-0.25	42	0.0	
Fine brown sand, little gravel	0.25-0.5		0.0	
Fine brown sand	0.5-1.0		0.0	
Fine to coarse brown sand	1.0-1.5		0.0	
	1.5-2.0		0.0	
	2.0-2.5		0.0	
	2.5-3.0		0.0	
	3.0-3.5		0.0	
	3.5-4.0		0.0	
Brown coarse sand	4.0-4.5	30	0.0	
	4.5-5.0		0.0	
Brown fine sand	5.0-5.5		0.0	
Red brick	5.5-6.0		0.0	
Gray fine sand and clay, odor	6.0-6.5		5.1	
	6.5-7.0		6.2	
	7.0-7.5		18.9	SB-6
Basalt	7.5-8.0		0.0	

Basalt refusal at 7.75 feet bgs. SB-6 collected from 7.0-7.5 feet bgs. TW-1 installed at SB-6.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-7
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 11.5 feet	Static Water: Not encountered

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Asphalt	0.0-0.25		0.0	
Brown fine to coarse sand and gravel	0.25-0.5		0.0	
	0.5-1.0		0.0	
Brown fine to coarse sand	1.0-1.5		0.0	
	1.5-2.0	44	0.0	
	2.0-2.5		0.0	
	2.5-3.0		0.0	
	3.0-3.5		0.0	
	3.5-4.0		0.0	
Tan fine to coarse sand, loose	4.0-4.5		0.0	
Brown fine to coarse sand, some gravel	4.5-5.0		0.0	
	5.0-5.5		0.0	
	5.5-6.0	48	0.0	
	6.0-6.5		0.0	
	6.5-7.0		0.0	
	7.0-7.5		0.0	
	7.5-8.0		0.0	
Brown fine to coarse sand	8.0-8.5		0.0	
Brown fine sand and silt	8.5-9.0		0.4	
	9.0-9.5		0.2	
	9.5-10.0	42	0.2	
Brown fine to coarse sand	10.0-10.5		28.0	
Same as above, odor	10.5-11.0		49.1	
	11.0-11.5		350.0	SB-7

Boring terminated at 11.5 feet because of schist refusal. Sample SB-7 collected from 11-11.5 feet bgs.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-8
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 14.5 feet	Static Water: 12 feet bgs

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Asphalt	0.0-0.25		99..2	
Black and brown sand	0.25-0.5		5.8	
Brown fine sand and silt, little clay	0.5-1.0		0.8	
	1.0-1.5		0.5	
	1.5-2.0	44	0.4	
	2.0-2.5		0.4	
	2.5-3.0		0.4	
	3.0-3.5		0.4	
	3.5-4.0		0.4	
Brown fine to coarse sand and silt, little gravel	4.0-4.5		25.6	
	4.5-5.0		5.0	
Brown fine to coarse sand and silt	5.0-5.5		57.6	
	5.5-6.0	48	23.0	
	6.0-6.5		28.0	
Brown fine to coarse sand and silt, little clay	6.5-7.0		1119.0	
	7.0-7.5		1000.0	SB-8-1
	7.5-8.0		118.0	
Moist brown fine sand and silt, low recovery	8.0-8.5		1600.0	
	8.5-9.0		1600.0	
Wet brown fine sand and silt and odor	9.0-9.5		542.0	
	9.5-10.0	30	542.0	
Brown fine sand and silt and odor	10.0-10.5		800.0	
	10.5-11.0		800.0	
	11.0-11.5		806.0	
	11.5-12.0		806.0	
Same as a above, surface is wet	12.0-12.5		250.0	
	12.5-13.0		417.0	
	13.0-13.5	32	500.0	
	13.5-14.0		500.0	
	14.0-14.25		606.0	SB-8-2

-Boring terminated at 14.25 feet. Sample SB-8-1 from 7-7.5 feet bgs. Sample SB-8-2 from 13.75-14.25 feet bgs. TW-2 installed at SB-8.

SOIL BORING LOG

Project: Phase II Environmental Site Investigation	Boring No.: SB-9
	Drilling Co.: Pennington Environmental
Site: 840-860 East 233rd Street, Bronx, NY	Driller: Roger Edens
	Drilling Method: Direct Push
Date: 5/18/16	Drilling Equip: Geoprobe 54LT
Total Boring Depth: 15 feet	Static Water: 9 feet bgs

GEOLOGIC LOG	Depth (ft)	Recovery (inches)	PID (ppm)	Sample Depth (ft)
Topsoil, brown fine sand and silt	0-0.5	44	0.0	
Brown fine to coarse sand	0.5-1.0		0.5	
Tan fine sand, little clay	1.0-1.5		1.0	
	1.5-2.0		0.0	
	2.0-2.5		0.0	
Brown fine to coarse sand	2.5-3.0		0.0	
	3.0-3.5		0.0	
	3.5-4.0		0.5	
Brown fine to coarse sand	4.0-4.5	48	23.0	
Brown fine sand and silt little clay	4.5-5.0		0.1	
	5.0-5.5		0.2	
	5.5-6.0		0.0	
	6.0-6.5		10.3	
Same as above with gray tint, odor	6.5-7.0		36.0	
	7.0-7.5		304.0	
	7.5-8.0		83.0	
	8.0-8.5	48	154.0	
Gray fine sand, little clay	8.5-9.0		29.6	
	9.0-9.5		50.3	
	9.5-10.0		268.0	
	10.0-10.5		138.9	
	10.5-11.0		25.8	
Gray coarse sand	11.0-11.5		45.1	
	11.5-12.0		60.0	
Wet gray coarse sand, odor	12.0-12.5	12	424.0	
	12.5-13.0		424.0	
	13.0-13.5		424.0	
	13.5-14.0		424.0	
	14.0-14.5		424.0	
	14.5-15.0		53.9	

Boring terminated at 15 feet bgs. TW-3 installed at SB-9.

ATTACHMENT 2

LABORATORY ANALYTICAL REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

Phase II ESA, 840-860 East 233rd Street, Bronx, NY 12401

SGS Accutest Job Number: JC20538

Sampling Dates: 05/17/16 - 05/18/16

Total number of pages in report: 98

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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SGS Accutest LabLink@912554 16:07 01-Jun-2016

Sample Summary

Job No: JC20538

Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Project No: 12401

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC20538-1	05/17/16	15:40	BNS	05/18/16	SO	Soil	SB-1
JC20538-2	05/17/16	14:00	BNS	05/18/16	SO	Soil	SB-3
JC20538-3	05/18/16	11:00	BNS	05/18/16	SO	Soil	SB-5
JC20538-4	05/18/16	11:25	BNS	05/18/16	SO	Soil	SB-6
JC20538-5	05/18/16	11:50	BNS	05/19/16	SO	Soil	SB-4
JC20538-6	05/18/16	12:40	BNS	05/19/16	SO	Soil	SB-7
JC20538-7	05/18/16	13:50	BNS	05/19/16	SO	Soil	SB-8-1
JC20538-8	05/18/16	14:25	BNS	05/19/16	SO	Soil	SB-8-2
JC20538-9	05/18/16	12:05	BNS	05/19/16	AQ	Ground Water	TW-1
JC20538-10	05/18/16	15:10	BNS	05/19/16	AQ	Ground Water	TW-2
JC20538-11	05/18/16	16:20	BNS	05/19/16	AQ	Ground Water	TW-3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC20538-1	**SB-1**					
Acetone		5.2 J	7.9	1.5	ug/kg	SW846 8260C
Carbon disulfide		0.25 J	1.6	0.14	ug/kg	SW846 8260C
Tetrachloroethene		9.7	1.6	0.22	ug/kg	SW846 8260C
JC20538-2	**SB-3**					
Acetone		7.1 J	8.7	1.6	ug/kg	SW846 8260C
cis-1,2-Dichloroethene		0.95	0.87	0.38	ug/kg	SW846 8260C
Methylene chloride		0.71 J	4.3	0.30	ug/kg	SW846 8260C
Tetrachloroethene		1.4 J	1.7	0.24	ug/kg	SW846 8260C
Total TIC, Volatile		258.1 J			ug/kg	
JC20538-3	**SB-5**					
Acetone		38.6	9.2	1.7	ug/kg	SW846 8260C
2-Butanone (MEK)		4.5 J	9.2	1.6	ug/kg	SW846 8260C
Carbon disulfide		0.25 J	1.8	0.16	ug/kg	SW846 8260C
Cyclohexane		2.7	1.8	0.50	ug/kg	SW846 8260C
Ethylbenzene		0.45 J	0.92	0.14	ug/kg	SW846 8260C
Isopropylbenzene		12.0	1.8	0.14	ug/kg	SW846 8260C
Methylcyclohexane		36.4	1.8	0.47	ug/kg	SW846 8260C
Methylene chloride		0.80 J	4.6	0.32	ug/kg	SW846 8260C
Total TIC, Volatile		13770 J			ug/kg	
Benzo(a)anthracene		49.3	36	10	ug/kg	SW846 8270D
Benzo(a)pyrene		34.3 J	36	17	ug/kg	SW846 8270D
Benzo(b)fluoranthene		44.9	36	16	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		30.5 J	36	18	ug/kg	SW846 8270D
Benzo(k)fluoranthene		23.3 J	36	17	ug/kg	SW846 8270D
Chrysene		80.7	36	11	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		19.0 J	36	16	ug/kg	SW846 8270D
Fluoranthene		145	36	16	ug/kg	SW846 8270D
Fluorene		629	36	17	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		26.1 J	36	17	ug/kg	SW846 8270D
Pyrene		542	36	12	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		102600 J			ug/kg	
Aluminum		9080	57		mg/kg	SW846 6010C
Arsenic		2.9	2.3		mg/kg	SW846 6010C
Barium		67.7	23		mg/kg	SW846 6010C
Beryllium		0.33	0.23		mg/kg	SW846 6010C
Calcium		1240	570		mg/kg	SW846 6010C
Chromium		22.9	1.1		mg/kg	SW846 6010C
Cobalt		6.9	5.7		mg/kg	SW846 6010C
Copper		34.1	2.9		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		10200	57		mg/kg	SW846 6010C
Lead		57.3	2.3		mg/kg	SW846 6010C
Magnesium		2340	570		mg/kg	SW846 6010C
Manganese		101	1.7		mg/kg	SW846 6010C
Mercury		0.047	0.033		mg/kg	SW846 7471B
Nickel		16.8	4.6		mg/kg	SW846 6010C
Vanadium		27.0	5.7		mg/kg	SW846 6010C
Zinc		59.4	5.7		mg/kg	SW846 6010C
Chromium, Hexavalent		0.82	0.46		mg/kg	SW846 3060A/7196A
JC20538-4	**SB-6**					
Total TIC, Volatile		3580 J			ug/kg	
Acenaphthene		17.3 J	36	12	ug/kg	SW846 8270D
Fluorene		26.9 J	36	16	ug/kg	SW846 8270D
Pyrene		31.8 J	36	11	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		8490 J			ug/kg	
Aluminum		9910	54		mg/kg	SW846 6010C
Barium		74.7	22		mg/kg	SW846 6010C
Beryllium		0.42	0.22		mg/kg	SW846 6010C
Calcium		2110	540		mg/kg	SW846 6010C
Chromium		21.7	1.1		mg/kg	SW846 6010C
Cobalt		7.1	5.4		mg/kg	SW846 6010C
Copper		18.8	2.7		mg/kg	SW846 6010C
Iron		16800	54		mg/kg	SW846 6010C
Lead		4.6	2.2		mg/kg	SW846 6010C
Magnesium		3870	540		mg/kg	SW846 6010C
Manganese		428	1.6		mg/kg	SW846 6010C
Nickel		17.1	4.3		mg/kg	SW846 6010C
Potassium		2150	1100		mg/kg	SW846 6010C
Vanadium		25.5	5.4		mg/kg	SW846 6010C
Zinc		33.7	5.4		mg/kg	SW846 6010C
Chromium, Hexavalent		1.1	0.44		mg/kg	SW846 3060A/7196A
JC20538-5	**SB-4**					
Acetone		38.2	9.1	1.7	ug/kg	SW846 8260C
2-Butanone (MEK)		6.8 J	9.1	1.6	ug/kg	SW846 8260C
Carbon disulfide		0.42 J	1.8	0.15	ug/kg	SW846 8260C
Isopropylbenzene		2.7	1.8	0.14	ug/kg	SW846 8260C
Methylcyclohexane		2.2	1.8	0.46	ug/kg	SW846 8260C
Methylene chloride		0.51 J	4.5	0.31	ug/kg	SW846 8260C
Tetrachloroethene		0.73 J	1.8	0.26	ug/kg	SW846 8260C
Trichloroethene		0.32 J	0.91	0.17	ug/kg	SW846 8260C
Total TIC, Volatile		2890 J			ug/kg	

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID / Analyte	Client Sample ID / Result/ Qual	RL	MDL	Units	Method
Benzo(a)anthracene	38.4	37	10	ug/kg	SW846 8270D
Benzo(a)pyrene	24.2 J	37	17	ug/kg	SW846 8270D
Benzo(b)fluoranthene	42.8	37	16	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	22.5 J	37	18	ug/kg	SW846 8270D
Chrysene	59.0	37	12	ug/kg	SW846 8270D
Fluoranthene	80.7	37	16	ug/kg	SW846 8270D
Fluorene	189	37	17	ug/kg	SW846 8270D
Pyrene	404	37	12	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	50970 J			ug/kg	
Aluminum	7390	54		mg/kg	SW846 6010C
Arsenic	2.2	2.2		mg/kg	SW846 6010C
Barium	94.1	22		mg/kg	SW846 6010C
Beryllium	0.26	0.22		mg/kg	SW846 6010C
Calcium	1530	540		mg/kg	SW846 6010C
Chromium	40.7	1.1		mg/kg	SW846 6010C
Cobalt	7.5	5.4		mg/kg	SW846 6010C
Copper	32.3	2.7		mg/kg	SW846 6010C
Iron	10900	54		mg/kg	SW846 6010C
Lead	30.8	2.2		mg/kg	SW846 6010C
Magnesium	3120	540		mg/kg	SW846 6010C
Manganese	159	1.6		mg/kg	SW846 6010C
Nickel	25.9	4.3		mg/kg	SW846 6010C
Potassium	1170	1100		mg/kg	SW846 6010C
Silver	0.74	0.54		mg/kg	SW846 6010C
Vanadium	23.6	5.4		mg/kg	SW846 6010C
Zinc	50.8	5.4		mg/kg	SW846 6010C
Chromium, Hexavalent	0.46	0.44		mg/kg	SW846 3060A/7196A
JC20538-6 SB-7					
Cyclohexane	480	100	28	ug/kg	SW846 8260C
Ethylbenzene	1510	51	7.6	ug/kg	SW846 8260C
Isopropylbenzene	1040	100	7.8	ug/kg	SW846 8260C
Methylcyclohexane	3290	100	26	ug/kg	SW846 8260C
m,p-Xylene	13300	51	11	ug/kg	SW846 8260C
o-Xylene	4560	51	10	ug/kg	SW846 8260C
Xylene (total)	17900	51	10	ug/kg	SW846 8260C
Total TIC, Volatile	74700 J			ug/kg	
2-Methylnaphthalene	788	76	8.6	ug/kg	SW846 8270D
Naphthalene	386	38	11	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	9080 J			ug/kg	
Aluminum	6920	55		mg/kg	SW846 6010C
Barium	59.8	22		mg/kg	SW846 6010C
Beryllium	0.30	0.22		mg/kg	SW846 6010C
Calcium	1470	550		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		13.3	1.1		mg/kg	SW846 6010C
Cobalt		6.3	5.5		mg/kg	SW846 6010C
Copper		16.7	2.8		mg/kg	SW846 6010C
Iron		12200	55		mg/kg	SW846 6010C
Lead		3.4	2.2		mg/kg	SW846 6010C
Magnesium		2630	550		mg/kg	SW846 6010C
Manganese		222	1.7		mg/kg	SW846 6010C
Nickel		14.9	4.4		mg/kg	SW846 6010C
Potassium		1490	1100		mg/kg	SW846 6010C
Vanadium		19.8	5.5		mg/kg	SW846 6010C
Zinc		39.5	5.5		mg/kg	SW846 6010C
JC20538-7	**SB-8-1**					
cis-1,2-Dichloroethene		35.1 J	48	21	ug/kg	SW846 8260C
Tetrachloroethene		5930	96	13	ug/kg	SW846 8260C
Trichloroethene		42.6 J	48	9.1	ug/kg	SW846 8260C
1,1'-Biphenyl		125	75	5.1	ug/kg	SW846 8270D
Dibenzofuran		87.5	75	15	ug/kg	SW846 8270D
Fluorene		134	37	17	ug/kg	SW846 8270D
Phenanthrene		251	37	13	ug/kg	SW846 8270D
Pyrene		35.2 J	37	12	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		33840 J			ug/kg	
Aroclor 1242		95.5	36	13	ug/kg	SW846 8082A
Aluminum		11000	55		mg/kg	SW846 6010C
Arsenic		2.3	2.2		mg/kg	SW846 6010C
Barium		76.6	22		mg/kg	SW846 6010C
Beryllium		0.43	0.22		mg/kg	SW846 6010C
Calcium		1850	550		mg/kg	SW846 6010C
Chromium		26.9	1.1		mg/kg	SW846 6010C
Cobalt		7.2	5.5		mg/kg	SW846 6010C
Copper		23.0	2.8		mg/kg	SW846 6010C
Iron		17400	55		mg/kg	SW846 6010C
Lead		4.9	2.2		mg/kg	SW846 6010C
Magnesium		3990	550		mg/kg	SW846 6010C
Manganese		227	1.7		mg/kg	SW846 6010C
Nickel		17.2	4.4		mg/kg	SW846 6010C
Potassium		2030	1100		mg/kg	SW846 6010C
Silver		0.75	0.55		mg/kg	SW846 6010C
Vanadium		30.6	5.5		mg/kg	SW846 6010C
Zinc		34.7	5.5		mg/kg	SW846 6010C
Chromium, Hexavalent		0.67	0.45		mg/kg	SW846 3060A/7196A

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC20538-8	**SB-8-2**					
Acetone		3.2 J	7.5	1.4	ug/kg	SW846 8260C
cis-1,2-Dichloroethene		5.5	0.75	0.33	ug/kg	SW846 8260C
Isopropylbenzene		0.59 J	1.5	0.12	ug/kg	SW846 8260C
Methylcyclohexane		1.6	1.5	0.38	ug/kg	SW846 8260C
Methylene chloride		0.34 J	3.8	0.26	ug/kg	SW846 8260C
Tetrachloroethene		13.6	1.5	0.21	ug/kg	SW846 8260C
Trichloroethene		1.9	0.75	0.14	ug/kg	SW846 8260C
Total TIC, Volatile		569 J			ug/kg	
Acenaphthene		29.1 J	36	12	ug/kg	SW846 8270D
1,1'-Biphenyl		39.2 J	72	4.9	ug/kg	SW846 8270D
Phenanthrene		127	36	12	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		15120 J			ug/kg	
Aluminum		5960	56		mg/kg	SW846 6010C
Barium		45.9	22		mg/kg	SW846 6010C
Beryllium		0.28	0.22		mg/kg	SW846 6010C
Calcium		12300	560		mg/kg	SW846 6010C
Chromium		12.9	1.1		mg/kg	SW846 6010C
Copper		11.6	2.8		mg/kg	SW846 6010C
Iron		10100	56		mg/kg	SW846 6010C
Lead		3.8	2.2		mg/kg	SW846 6010C
Magnesium		5670	560		mg/kg	SW846 6010C
Manganese		243	1.7		mg/kg	SW846 6010C
Nickel		16.9	4.5		mg/kg	SW846 6010C
Potassium		1220	1100		mg/kg	SW846 6010C
Silver		0.59	0.56		mg/kg	SW846 6010C
Vanadium		13.7	5.6		mg/kg	SW846 6010C
Zinc		20.3	5.6		mg/kg	SW846 6010C
JC20538-9	**TW-1**					
Aluminum		5910	200		ug/l	SW846 6010C
Calcium		50700	5000		ug/l	SW846 6010C
Chromium		23.5	10		ug/l	SW846 6010C
Copper		18.6	10		ug/l	SW846 6010C
Iron		8450	100		ug/l	SW846 6010C
Lead		8.2	3.0		ug/l	SW846 6010C
Magnesium		9740	5000		ug/l	SW846 6010C
Manganese		1540	15		ug/l	SW846 6010C
Nickel		15.2	10		ug/l	SW846 6010C
Sodium		97800	10000		ug/l	SW846 6010C

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC20538-10	**TW-2**					
1,1-Dichloroethene		25.4 J	100	20	ug/l	SW846 8260C
cis-1,2-Dichloroethene		39000	500	150	ug/l	SW846 8260C
trans-1,2-Dichloroethene		150	100	36	ug/l	SW846 8260C
Isopropylbenzene		20.1 J	100	16	ug/l	SW846 8260C
Tetrachloroethene		9360	100	23	ug/l	SW846 8260C
Trichloroethene		4520	100	26	ug/l	SW846 8260C
Vinyl chloride		499	100	33	ug/l	SW846 8260C
Acenaphthene		7.5	1.1	0.21	ug/l	SW846 8270D
1,1'-Biphenyl		6.7	1.1	0.24	ug/l	SW846 8270D
Carbazole		4.0	1.1	0.26	ug/l	SW846 8270D
Dibenzofuran		9.0	5.6	0.25	ug/l	SW846 8270D
Fluoranthene		0.58 J	1.1	0.19	ug/l	SW846 8270D
Fluorene		9.7	1.1	0.19	ug/l	SW846 8270D
Phenanthrene		30.5	1.1	0.20	ug/l	SW846 8270D
Pyrene		2.2	1.1	0.25	ug/l	SW846 8270D
Total TIC, Semi-Volatile		2170 J			ug/l	
Aluminum		5420	200		ug/l	SW846 6010C
Arsenic		3.1	3.0		ug/l	SW846 6010C
Calcium		38900	5000		ug/l	SW846 6010C
Chromium		19.4	10		ug/l	SW846 6010C
Copper		19.6	10		ug/l	SW846 6010C
Iron		9270	100		ug/l	SW846 6010C
Lead		5.2	3.0		ug/l	SW846 6010C
Magnesium		15600	5000		ug/l	SW846 6010C
Manganese		4680	15		ug/l	SW846 6010C
Nickel		17.2	10		ug/l	SW846 6010C
Sodium		43800	10000		ug/l	SW846 6010C
Zinc		46.6	20		ug/l	SW846 6010C
JC20538-11	**TW-3**					
Chloroethane		5.8	1.0	0.44	ug/l	SW846 8260C
1,1-Dichloroethene		0.67 J	1.0	0.20	ug/l	SW846 8260C
cis-1,2-Dichloroethene		360	5.0	1.5	ug/l	SW846 8260C
trans-1,2-Dichloroethene		4.9	1.0	0.36	ug/l	SW846 8260C
Isopropylbenzene		1.5	1.0	0.16	ug/l	SW846 8260C
Methylcyclohexane		5.6	5.0	0.78	ug/l	SW846 8260C
Trichloroethene		0.42 J	1.0	0.26	ug/l	SW846 8260C
Vinyl chloride		359	5.0	1.6	ug/l	SW846 8260C
Total TIC, Volatile		296 J			ug/l	
Carbazole		4.9	1.1	0.25	ug/l	SW846 8270D
Dibenzofuran		9.2	5.6	0.24	ug/l	SW846 8270D
Fluoranthene		0.67 J	1.1	0.19	ug/l	SW846 8270D

Summary of Hits

Job Number: JC20538

Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY
Collected: 05/17/16 thru 05/18/16

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Fluorene	6.9	1.1	0.19	ug/l	SW846 8270D
Pyrene	2.6	1.1	0.24	ug/l	SW846 8270D
Total TIC, Semi-Volatile	1163 J			ug/l	
Aluminum [a]	167000	1000		ug/l	SW846 6010C
Arsenic [a]	50.0	15		ug/l	SW846 6010C
Barium [a]	2800	1000		ug/l	SW846 6010C
Beryllium [a]	10.0	5.0		ug/l	SW846 6010C
Calcium [a]	172000	25000		ug/l	SW846 6010C
Chromium [a]	658	50		ug/l	SW846 6010C
Copper [a]	496	50		ug/l	SW846 6010C
Iron [a]	331000	500		ug/l	SW846 6010C
Lead [a]	184	15		ug/l	SW846 6010C
Magnesium [a]	106000	25000		ug/l	SW846 6010C
Manganese [a]	17100	75		ug/l	SW846 6010C
Nickel [a]	388	50		ug/l	SW846 6010C
Vanadium [a]	544	250		ug/l	SW846 6010C
Zinc [a]	757	100		ug/l	SW846 6010C

(a) Elevated sample detection limit due to difficult sample matrix.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SB-1		
Lab Sample ID:	JC20538-1	**Date Sampled:**	05/17/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	88.6
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V27858.D	1	05/20/16	TDN	05/19/16 09:00	n/a	V3V1140
Run #2							

	Initial Weight
Run #1	7.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.2	7.9	1.5	ug/kg	J
71-43-2	Benzene	ND	0.40	0.095	ug/kg	
74-97-5	Bromochloromethane	ND	4.0	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.12	ug/kg	
75-25-2	Bromoform	ND	4.0	0.21	ug/kg	
74-83-9	Bromomethane	ND	4.0	0.39	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.9	1.4	ug/kg	
75-15-0	Carbon disulfide	0.25	1.6	0.14	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.6	0.13	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.13	ug/kg	
75-00-3	Chloroethane	ND	4.0	0.34	ug/kg	
67-66-3	Chloroform	ND	1.6	0.19	ug/kg	
74-87-3	Chloromethane	ND	4.0	0.17	ug/kg	
110-82-7	Cyclohexane	ND	1.6	0.43	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.6	0.38	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.79	0.19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.79	0.14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.79	0.11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.79	0.12	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.0	0.43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.79	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.79	0.14	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.79	0.12	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.79	0.35	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.79	0.13	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.25	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.18	ug/kg	
100-41-4	Ethylbenzene	ND	0.79	0.12	ug/kg	
76-13-1	Freon 113	ND	4.0	0.38	ug/kg	
591-78-6	2-Hexanone	ND	4.0	1.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-1		
Lab Sample ID:	JC20538-1	**Date Sampled:**	05/17/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	88.6
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.6	0.12	ug/kg	
79-20-9	Methyl Acetate	ND	4.0	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	1.6	0.40	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.79	0.21	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.0	0.67	ug/kg	
75-09-2	Methylene chloride	ND	4.0	0.27	ug/kg	
100-42-5	Styrene	ND	1.6	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.19	ug/kg	
127-18-4	Tetrachloroethene	9.7	1.6	0.22	ug/kg	
108-88-3	Toluene	ND	0.79	0.099	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	0.18	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.26	ug/kg	
79-01-6	Trichloroethene	ND	0.79	0.15	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.0	0.50	ug/kg	
75-01-4	Vinyl chloride	ND	1.6	0.16	ug/kg	
	m,p-Xylene	ND	0.79	0.17	ug/kg	
95-47-6	o-Xylene	ND	0.79	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	0.79	0.16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-122%
17060-07-0	1,2-Dichloroethane-D4	99%		68-124%
2037-26-5	Toluene-D8	97%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3		
Lab Sample ID:	JC20538-2	**Date Sampled:**	05/17/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	81.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V27863.D	1	05/20/16	TDN	05/19/16 09:00	n/a	V3V1140
Run #2							

	Initial Weight
Run #1	7.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.1	8.7	1.6	ug/kg	J
71-43-2	Benzene	ND	0.43	0.10	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	0.28	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.13	ug/kg	
75-25-2	Bromoform	ND	4.3	0.23	ug/kg	
74-83-9	Bromomethane	ND	4.3	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.7	1.5	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.14	ug/kg	
75-00-3	Chloroethane	ND	4.3	0.37	ug/kg	
67-66-3	Chloroform	ND	1.7	0.21	ug/kg	
74-87-3	Chloromethane	ND	4.3	0.18	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.47	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.42	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.87	0.21	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.87	0.15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.87	0.12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.87	0.13	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	0.47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.87	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.87	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.87	0.13	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.95	0.87	0.38	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.87	0.14	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.27	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.19	ug/kg	
100-41-4	Ethylbenzene	ND	0.87	0.13	ug/kg	
76-13-1	Freon 113	ND	4.3	0.42	ug/kg	
591-78-6	2-Hexanone	ND	4.3	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3		
Lab Sample ID:	JC20538-2	**Date Sampled:**	05/17/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	81.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	0.13	ug/kg	
79-20-9	Methyl Acetate	ND	4.3	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.44	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.87	0.23	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.3	0.74	ug/kg	
75-09-2	Methylene chloride	0.71	4.3	0.30	ug/kg	J
100-42-5	Styrene	ND	1.7	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.21	ug/kg	
127-18-4	Tetrachloroethene	1.4	1.7	0.24	ug/kg	J
108-88-3	Toluene	ND	0.87	0.11	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	0.20	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	0.16	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.28	ug/kg	
79-01-6	Trichloroethene	ND	0.87	0.17	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.3	0.55	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.18	ug/kg	
	m,p-Xylene	ND	0.87	0.19	ug/kg	
95-47-6	o-Xylene	ND	0.87	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	0.87	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-122%
17060-07-0	1,2-Dichloroethane-D4	95%		68-124%
2037-26-5	Toluene-D8	97%		77-125%
460-00-4	4-Bromofluorobenzene	102%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkene	16.16	9.2	ug/kg	J
	Naphthalene, decahydro-isomer	16.73	9.8	ug/kg	J
	alkane	17.18	7.9	ug/kg	J
	Naphthalene decahydro-methyl-isomer	17.53	10	ug/kg	J
	alkane	17.75	36	ug/kg	J
	alkane	17.82	8.2	ug/kg	J
	alkane	18.28	42	ug/kg	J
	alkane	18.70	13	ug/kg	J
	1H-Indene-dihydro-trimethyl- isomer	19.16	9	ug/kg	J
	alkane	19.23	28	ug/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3		
Lab Sample ID:	JC20538-2	**Date Sampled:**	05/17/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	81.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
827-52-1	Benzene, cyclohexyl-	19.63	13	ug/kg	JN
	unknown	19.74	12	ug/kg	J
	unknown	19.85	17	ug/kg	J
	unknown	19.99	15	ug/kg	J
	unknown	20.69	28	ug/kg	J
	Total TIC, Volatile		258.1	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V27864.D	1	05/20/16	TDN	05/19/16 09:00	n/a	V3V1140
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.6	9.2	1.7	ug/kg	
71-43-2	Benzene	ND	0.46	0.11	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.14	ug/kg	
75-25-2	Bromoform	ND	4.6	0.25	ug/kg	
74-83-9	Bromomethane	ND	4.6	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	4.5	9.2	1.6	ug/kg	J
75-15-0	Carbon disulfide	0.25	1.8	0.16	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.8	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.15	ug/kg	
75-00-3	Chloroethane	ND	4.6	0.40	ug/kg	
67-66-3	Chloroform	ND	1.8	0.22	ug/kg	
74-87-3	Chloromethane	ND	4.6	0.19	ug/kg	
110-82-7	Cyclohexane	2.7	1.8	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.45	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.92	0.22	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.92	0.16	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.92	0.13	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.92	0.14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.92	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.92	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.92	0.14	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.92	0.40	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.92	0.15	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.29	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.20	ug/kg	
100-41-4	Ethylbenzene	0.45	0.92	0.14	ug/kg	J
76-13-1	Freon 113	ND	4.6	0.45	ug/kg	
591-78-6	2-Hexanone	ND	4.6	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	12.0	1.8	0.14	ug/kg	
79-20-9	Methyl Acetate	ND	4.6	1.9	ug/kg	
108-87-2	Methylcyclohexane	36.4	1.8	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.92	0.24	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	0.78	ug/kg	
75-09-2	Methylene chloride	0.80	4.6	0.32	ug/kg	J
100-42-5	Styrene	ND	1.8	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.22	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.26	ug/kg	
108-88-3	Toluene	ND	0.92	0.12	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.30	ug/kg	
79-01-6	Trichloroethene	ND	0.92	0.18	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.19	ug/kg	
	m,p-Xylene	ND	0.92	0.20	ug/kg	
95-47-6	o-Xylene	ND	0.92	0.19	ug/kg	
1330-20-7	Xylene (total)	ND	0.92	0.19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-122%
17060-07-0	1,2-Dichloroethane-D4	95%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	105%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	15.76	740	ug/kg	J
	alkene	16.16	1400	ug/kg	J
104-51-8	Benzene, butyl-	16.67	890	ug/kg	JN
	Naphthalene, decahydro-isomer	16.73	550	ug/kg	J
	C4 alkyl benzene	17.00	720	ug/kg	J
	alkane	17.18	650	ug/kg	J
	Naphthalene, decahydro-methyl-isomer	17.53	630	ug/kg	J
	alkane	17.75	1000	ug/kg	J
	C4 alkyl benzene	17.89	1100	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.14	1100	ug/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	18.21	680	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.29	1900	ug/kg	J
	Naphthalene, tetrahydro-methyl- isomer	18.56	920	ug/kg	J
	1H-Indene-ethyl-dihydro-isomer	18.61	590	ug/kg	J
	Naphthalene, tetrahydro-methyl- isomer	18.66	900	ug/kg	J
	Total TIC, Volatile		13770	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P105108.D	1	05/22/16	AD	05/20/16	OP94079	EP4634
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	180	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	13	ug/kg	
208-96-8	Acenaphthylene	ND	36	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	49.3	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	34.3	36	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	44.9	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	30.5	36	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	23.3	36	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	80.7	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	19.0	36	16	ug/kg	J
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	145	36	16	ug/kg	
86-73-7	Fluorene	629	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	26.1	36	17	ug/kg	J
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	73	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	542	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-106%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		30-106%
118-79-6	2,4,6-Tribromophenol	68%		24-140%
4165-60-0	Nitrobenzene-d5	73%		26-122%
321-60-8	2-Fluorobiphenyl	72%		36-112%
1718-51-0	Terphenyl-d14	69%		36-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	5.92	2300	ug/kg	J
	alkane	6.49	1900	ug/kg	J
	unknown	7.65	2900	ug/kg	J
	unknown	7.99	1900	ug/kg	J
	alkane	8.18	3100	ug/kg	J
	unknown	8.31	2800	ug/kg	J
	unknown	9.80	5500	ug/kg	J
	unknown	9.95	5600	ug/kg	J
	unknown	10.07	3500	ug/kg	J
	alkane	10.13	20000	ug/kg	J
	unknown	10.25	4300	ug/kg	J
	alkane	10.33	2100	ug/kg	J
	alkane	10.40	2900	ug/kg	J
	alkane	10.44	3900	ug/kg	J
	unknown	10.64	1800	ug/kg	J
	unknown	10.71	1800	ug/kg	J
	alkane	10.87	13000	ug/kg	J
	unknown	11.11	3100	ug/kg	J
	unknown	11.22	2100	ug/kg	J
	alkane	11.43	6100	ug/kg	J
	alkane	11.57	3000	ug/kg	J
	unknown	12.03	3200	ug/kg	J
	Phenanthrene dimethyl	12.41	2200	ug/kg	J
	Phenanthrene dimethyl	12.60	1800	ug/kg	J
	alkane	12.68	1800	ug/kg	J
	Total TIC, Semi-Volatile		102600	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF157487.D	1	05/20/16	HB	05/19/16	OP94066	GEF5659
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	18	ug/kg	
11104-28-2	Aroclor 1221	ND	36	18	ug/kg	
11141-16-5	Aroclor 1232	ND	36	14	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	23	ug/kg	
11097-69-1	Aroclor 1254	ND	36	18	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	13	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		20-152%
877-09-8	Tetrachloro-m-xylene	99%		20-152%
2051-24-3	Decachlorobiphenyl	113%		12-157%
2051-24-3	Decachlorobiphenyl	115%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
		Percent Solids:	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9080	57	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.9	2.3	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Barium	67.7	23	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.33	0.23	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.57	0.57	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Calcium	1240	570	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Chromium	22.9	1.1	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Cobalt	6.9	5.7	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Copper	34.1	2.9	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Iron	10200	57	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Lead	57.3	2.3	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Magnesium	2340	570	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Manganese	101	1.7	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.047	0.033	mg/kg	1	05/23/16	05/23/16	MS	SW846 7471B [2]	SW846 7471B [4]
Nickel	16.8	4.6	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.57	0.57	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Vanadium	27.0	5.7	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Zinc	59.4	5.7	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA39457
(2) Instrument QC Batch: MA39463
(3) Prep QC Batch: MP93821
(4) Prep QC Batch: MP93878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-5		
Lab Sample ID:	JC20538-3	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
		Percent Solids:	87.4
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.82	0.46	mg/kg	1	05/21/16 10:47	RP	SW846 3060A/7196A
Solids, Percent	87.4		%	1	05/20/16 15:50	KP	SM2540 G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	E235509.D	1	05/25/16	TDN	05/19/16 09:00	n/a	VE10241
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.3 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	490	92	ug/kg	
71-43-2	Benzene	ND	25	5.9	ug/kg	
74-97-5	Bromochloromethane	ND	250	16	ug/kg	
75-27-4	Bromodichloromethane	ND	99	7.5	ug/kg	
75-25-2	Bromoform	ND	250	13	ug/kg	
74-83-9	Bromomethane	ND	250	24	ug/kg	
78-93-3	2-Butanone (MEK)	ND	490	87	ug/kg	
75-15-0	Carbon disulfide	ND	99	8.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	99	8.2	ug/kg	
108-90-7	Chlorobenzene	ND	99	8.0	ug/kg	
75-00-3	Chloroethane	ND	250	21	ug/kg	
67-66-3	Chloroform	ND	99	12	ug/kg	
74-87-3	Chloromethane	ND	250	10	ug/kg	
110-82-7	Cyclohexane	ND	99	27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	99	24	ug/kg	
124-48-1	Dibromochloromethane	ND	99	7.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	49	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	49	8.5	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	49	6.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	49	7.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	250	27	ug/kg	
75-34-3	1,1-Dichloroethane	ND	49	9.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	49	8.5	ug/kg	
75-35-4	1,1-Dichloroethene	ND	49	7.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	49	22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	49	7.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	99	15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	99	9.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	99	11	ug/kg	
100-41-4	Ethylbenzene	ND	49	7.4	ug/kg	
76-13-1	Freon 113	ND	250	24	ug/kg	
591-78-6	2-Hexanone	ND	250	69	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	99	7.6	ug/kg	
79-20-9	Methyl Acetate	ND	250	100	ug/kg	
108-87-2	Methylcyclohexane	ND	99	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	49	13	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	42	ug/kg	
75-09-2	Methylene chloride	ND	250	17	ug/kg	
100-42-5	Styrene	ND	99	7.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	99	12	ug/kg	
127-18-4	Tetrachloroethene	ND	99	14	ug/kg	
108-88-3	Toluene	ND	49	6.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	250	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	99	8.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	99	16	ug/kg	
79-01-6	Trichloroethene	ND	49	9.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	250	31	ug/kg	
75-01-4	Vinyl chloride	ND	99	10	ug/kg	
	m,p-Xylene	ND	49	11	ug/kg	
95-47-6	o-Xylene	ND	49	10	ug/kg	
1330-20-7	Xylene (total)	ND	49	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-122%
17060-07-0	1,2-Dichloroethane-D4	105%		68-124%
2037-26-5	Toluene-D8	97%		77-125%
460-00-4	4-Bromofluorobenzene	97%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkene	17.46	350	ug/kg	J
	Naphthalene decahydro-methyl	17.96	800	ug/kg	J
	Naphthalene decahydro-methyl	18.22	550	ug/kg	J
	alkene	19.15	260	ug/kg	J
	unknown	19.55	320	ug/kg	J
	unknown	20.96	360	ug/kg	J
	unknown	21.10	610	ug/kg	J
	unknown	22.14	330	ug/kg	J
	Total TIC, Volatile		3580	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P105109.D	1	05/22/16	AD	05/20/16	OP94079	EP4634
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	180	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	17.3	36	12	ug/kg	J
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.4	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	26.9	36	16	ug/kg	J
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	31.8	36	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-106%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	67%		30-106%
118-79-6	2,4,6-Tribromophenol	72%		24-140%
4165-60-0	Nitrobenzene-d5	57%		26-122%
321-60-8	2-Fluorobiphenyl	74%		36-112%
1718-51-0	Terphenyl-d14	64%		36-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.04	540	ug/kg	J
	system artifact	2.30	390	ug/kg	J
	system artifact/aldol-condensation	2.36	2500	ug/kg	J
	alkane	5.89	190	ug/kg	J
	alkane	6.45	360	ug/kg	J
	alkane	6.87	170	ug/kg	J
	Naphthalene ethyl	7.68	190	ug/kg	J
	unknown	7.94	200	ug/kg	J
	alkane	8.13	710	ug/kg	J
	unknown	8.27	400	ug/kg	J
	unknown	8.94	210	ug/kg	J
	unknown	8.98	250	ug/kg	J
	unknown	9.37	230	ug/kg	J
	unknown	9.41	180	ug/kg	J
	unknown	9.76	410	ug/kg	J
	unknown	9.90	310	ug/kg	J
	alkane	10.07	1400	ug/kg	J
	unknown	10.20	380	ug/kg	J
	unknown	10.34	220	ug/kg	J
	unknown	10.40	280	ug/kg	J
	unknown	10.58	200	ug/kg	J
	alkane	10.81	760	ug/kg	J
	9H-Fluorene dimethyl	10.98	200	ug/kg	J
	unknown	11.39	330	ug/kg	J
	unknown	11.98	250	ug/kg	J
	Phenanthrene dimethyl	12.53	240	ug/kg	J
	Phenanthrene dimethyl	12.67	240	ug/kg	J
	Phenanthrene trimethyl	13.28	180	ug/kg	J
	Total TIC, Semi-Volatile		8490	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF157488.D	1	05/20/16	HB	05/19/16	OP94066	GEF5659
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	17	ug/kg	
11104-28-2	Aroclor 1221	ND	34	17	ug/kg	
11141-16-5	Aroclor 1232	ND	34	13	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	21	ug/kg	
11097-69-1	Aroclor 1254	ND	34	17	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	12	ug/kg	
37324-23-5	Aroclor 1262	ND	34	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		20-152%
877-09-8	Tetrachloro-m-xylene	74%		20-152%
2051-24-3	Decachlorobiphenyl	88%		12-157%
2051-24-3	Decachlorobiphenyl	82%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
		Percent Solids:	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9910	54	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Barium	74.7	22	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.42	0.22	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Calcium	2110	540	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Chromium	21.7	1.1	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Cobalt	7.1	5.4	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Copper	18.8	2.7	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Iron	16800	54	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Lead	4.6	2.2	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Magnesium	3870	540	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Manganese	428	1.6	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	05/23/16	05/23/16	MS	SW846 7471B [2]	SW846 7471B [4]
Nickel	17.1	4.3	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Potassium	2150	1100	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Vanadium	25.5	5.4	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]
Zinc	33.7	5.4	mg/kg	1	05/19/16	05/20/16	BS	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA39457
(2) Instrument QC Batch: MA39463
(3) Prep QC Batch: MP93821
(4) Prep QC Batch: MP93878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-6		
Lab Sample ID:	JC20538-4	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/18/16
		Percent Solids:	90.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.1	0.44	mg/kg	1	05/21/16 10:50	RP	SW846 3060A/7196A
Solids, Percent	90.2		%	1	05/20/16 15:50	KP	SM2540 G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V27866.D	1	05/20/16	TDN	05/20/16 10:00	n/a	V3V1140
Run #2 [a]	E235453.D	1	05/24/16	TDN	05/20/16 10:00	n/a	VE10239

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.1 g		
Run #2	4.9 g	5.0 ml	100 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.2	9.1	1.7	ug/kg	
71-43-2	Benzene	ND	0.45	0.11	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.14	ug/kg	
75-25-2	Bromoform	ND	4.5	0.24	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	6.8	9.1	1.6	ug/kg	J
75-15-0	Carbon disulfide	0.42	1.8	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.8	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.15	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.39	ug/kg	
67-66-3	Chloroform	ND	1.8	0.22	ug/kg	
74-87-3	Chloromethane	ND	4.5	0.19	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.44	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.91	0.22	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.91	0.16	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.91	0.12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.91	0.14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.49	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.91	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.91	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.91	0.14	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.40	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.91	0.14	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.28	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.20	ug/kg	
100-41-4	Ethylbenzene	ND	0.91	0.14	ug/kg	
76-13-1	Freon 113	ND	4.5	0.44	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	2.7	1.8	0.14	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.8	ug/kg	
108-87-2	Methylcyclohexane	2.2	1.8	0.46	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.91	0.24	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	0.77	ug/kg	
75-09-2	Methylene chloride	0.51	4.5	0.31	ug/kg	J
100-42-5	Styrene	ND	1.8	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.22	ug/kg	
127-18-4	Tetrachloroethene	0.73	1.8	0.26	ug/kg	J
108-88-3	Toluene	ND	0.91	0.11	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.29	ug/kg	
79-01-6	Trichloroethene	0.32	0.91	0.17	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	4.5	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.18	ug/kg	
	m,p-Xylene	ND	0.91	0.20	ug/kg	
95-47-6	o-Xylene	ND	0.91	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	0.91	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	107%	70-122%
17060-07-0	1,2-Dichloroethane-D4	91%	105%	68-124%
2037-26-5	Toluene-D8	97%	95%	77-125%
460-00-4	4-Bromofluorobenzene	133% [b]	90%	72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	14.64	180	ug/kg	J
	alkane	14.80	210	ug/kg	J
	alkene	14.94	170	ug/kg	J
	alkane	15.13	140	ug/kg	J
	alkane	15.76	230	ug/kg	J
	alkane	16.16	350	ug/kg	J
	alkene	16.70	260	ug/kg	J
	alkane	16.94	110	ug/kg	J
	unknown	17.10	140	ug/kg	J
	unknown	17.18	170	ug/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	17.33	160	ug/kg	J
	Naphthalene decahydro-methyl- isomer	17.54	170	ug/kg	J
	alkane	17.76	190	ug/kg	J
	1H-Indene-dihydro-methyl- isomer	17.89	180	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.29	230	ug/kg	J
	Total TIC, Volatile		2890	ug/kg	J

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F157467.D	1	05/24/16	BP	05/20/16	OP94109	EF6627
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	180	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	38.4	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	24.2	37	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	42.8	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	22.5	37	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	74	5.4	ug/kg	

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Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	59.0	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	8.6	ug/kg	
206-44-0	Fluoranthene	80.7	37	16	ug/kg	
86-73-7	Fluorene	189	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	74	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.6	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	14	ug/kg	
85-01-8	Phenanthrene	ND	37	12	ug/kg	
129-00-0	Pyrene	404	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		30-106%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	82%		30-106%
118-79-6	2,4,6-Tribromophenol	96%		24-140%
4165-60-0	Nitrobenzene-d5	83%		26-122%
321-60-8	2-Fluorobiphenyl	80%		36-112%
1718-51-0	Terphenyl-d14	86%		36-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	5.15	930	ug/kg	J
	alkane	5.67	2900	ug/kg	J
	alkane	5.93	3000	ug/kg	J
	unknown	6.01	870	ug/kg	J
	alkane	6.12	1400	ug/kg	J
	unknown	6.49	1600	ug/kg	J
	alkane	6.79	4000	ug/kg	J
	unknown	6.92	940	ug/kg	J
	unknown	6.96	850	ug/kg	J
	alkane	7.26	870	ug/kg	J
	alkane	7.32	1200	ug/kg	J
	unknown	7.58	1100	ug/kg	J
	alkane	7.81	2700	ug/kg	J
	unknown	8.01	920	ug/kg	J
	alkane	8.17	13000	ug/kg	J
	unknown	8.21	1300	ug/kg	J
	alkane	8.42	2200	ug/kg	J
	alkane	8.47	2400	ug/kg	J
	unknown	8.76	970	ug/kg	J
	alkane	9.04	1100	ug/kg	J
	unknown	9.14	920	ug/kg	J
	alkane	9.47	1700	ug/kg	J
	unknown	9.81	1800	ug/kg	J
	alkane	10.89	1000	ug/kg	J
	unknown	11.74	1300	ug/kg	J
	Total TIC, Semi-Volatile		50970	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190521.D	1	05/21/16	HB	05/20/16	OP94106	GXX5708
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	17	ug/kg	
11104-28-2	Aroclor 1221	ND	35	17	ug/kg	
11141-16-5	Aroclor 1232	ND	35	14	ug/kg	
53469-21-9	Aroclor 1242	ND	35	12	ug/kg	
12672-29-6	Aroclor 1248	ND	35	22	ug/kg	
11097-69-1	Aroclor 1254	ND	35	17	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	12	ug/kg	
37324-23-5	Aroclor 1262	ND	35	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		20-152%
877-09-8	Tetrachloro-m-xylene	71%		20-152%
2051-24-3	Decachlorobiphenyl	87%		12-157%
2051-24-3	Decachlorobiphenyl	103%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7390	54	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	94.1	22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.26	0.22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	1530	540	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	40.7	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	7.5	5.4	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	32.3	2.7	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	10900	54	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	30.8	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	3120	540	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	159	1.6	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	05/23/16	05/23/16	MS	SW846 7471B [1]	SW846 7471B [4]
Nickel	25.9	4.3	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	1170	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	0.74	0.54	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	23.6	5.4	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	50.8	5.4	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA39463
(2) Instrument QC Batch: MA39469
(3) Prep QC Batch: MP93853
(4) Prep QC Batch: MP93878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-4		
Lab Sample ID:	JC20538-5	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	90.3
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.46	0.44	mg/kg	1	05/23/16 13:32	MP	SW846 3060A/7196A
Solids, Percent	90.3		%	1	05/20/16 15:50	KP	SM2540 G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E235451.D	1	05/24/16	TDN	05/20/16 10:00	n/a	VE10239
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.7 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	510	95	ug/kg	
71-43-2	Benzene	ND	25	6.1	ug/kg	
74-97-5	Bromochloromethane	ND	250	16	ug/kg	
75-27-4	Bromodichloromethane	ND	100	7.7	ug/kg	
75-25-2	Bromoform	ND	250	13	ug/kg	
74-83-9	Bromomethane	ND	250	25	ug/kg	
78-93-3	2-Butanone (MEK)	ND	510	89	ug/kg	
75-15-0	Carbon disulfide	ND	100	8.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	8.4	ug/kg	
108-90-7	Chlorobenzene	ND	100	8.2	ug/kg	
75-00-3	Chloroethane	ND	250	22	ug/kg	
67-66-3	Chloroform	ND	100	12	ug/kg	
74-87-3	Chloromethane	ND	250	11	ug/kg	
110-82-7	Cyclohexane	480	100	28	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	25	ug/kg	
124-48-1	Dibromochloromethane	ND	100	7.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	51	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	51	8.7	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	51	6.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	51	7.8	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	250	28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	51	9.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	51	8.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	51	7.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	51	22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	51	8.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	9.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	11	ug/kg	
100-41-4	Ethylbenzene	1510	51	7.6	ug/kg	
76-13-1	Freon 113	ND	250	25	ug/kg	
591-78-6	2-Hexanone	ND	250	70	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	1040	100	7.8	ug/kg	
79-20-9	Methyl Acetate	ND	250	100	ug/kg	
108-87-2	Methylcyclohexane	3290	100	26	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	51	13	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	43	ug/kg	
75-09-2	Methylene chloride	ND	250	17	ug/kg	
100-42-5	Styrene	ND	100	7.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	12	ug/kg	
127-18-4	Tetrachloroethene	ND	100	14	ug/kg	
108-88-3	Toluene	ND	51	6.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	250	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	9.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	8.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	16	ug/kg	
79-01-6	Trichloroethene	ND	51	9.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	250	32	ug/kg	
75-01-4	Vinyl chloride	ND	100	10	ug/kg	
	m,p-Xylene	13300	51	11	ug/kg	
95-47-6	o-Xylene	4560	51	10	ug/kg	
1330-20-7	Xylene (total)	17900	51	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-122%
17060-07-0	1,2-Dichloroethane-D4	113%		68-124%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	98%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
142-82-5	alkane-Heptane	10.76	3600	ug/kg	JN
	alkane	11.41	2400	ug/kg	J
	alkane	11.48	2200	ug/kg	J
	alkane	11.94	9900	ug/kg	J
	alkane	12.09	23000	ug/kg	J
	alkane	12.25	6600	ug/kg	J
	alkane	12.42	5600	ug/kg	J
	cyclohexane, dimethyl- isomer	12.61	2300	ug/kg	J
103-65-1	Benzene, propyl-	15.81	1700	ug/kg	JN
	C3 alkyl benzene	15.89	4600	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-67-8	Benzene, 1,3,5-trimethyl-	15.98	1600	ug/kg	JN
	C3 alkyl benzene	16.24	1400	ug/kg	J
95-63-6	Benzene, 1,2,4-trimethyl-	16.42	6900	ug/kg	JN
	C4 alkyl benzene	17.58	1500	ug/kg	J
	C4 alkyl benzene	18.08	1400	ug/kg	J
	Total TIC, Volatile		74700	ug/kg	J

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F157468.D	1	05/24/16	BP	05/20/16	OP94109	EF6627
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	76	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	76	24	ug/kg	
	3&4-Methylphenol	ND	76	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	190	36	ug/kg	
108-95-2	Phenol	ND	76	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	ND	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.2	ug/kg	
120-12-7	Anthracene	ND	38	23	ug/kg	
1912-24-9	Atrazine	ND	76	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	38	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	9.3	ug/kg	
92-52-4	1,1'-Biphenyl	ND	76	5.2	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	9.1	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	76	5.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	76	15	ug/kg	
218-01-9	Chrysene	ND	38	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	8.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	76	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	76	32	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	17	ug/kg	
132-64-9	Dibenzofuran	ND	76	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	6.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	9.5	ug/kg	
84-66-2	Diethyl phthalate	ND	76	8.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	6.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	76	8.9	ug/kg	
206-44-0	Fluoranthene	ND	38	17	ug/kg	
86-73-7	Fluorene	ND	38	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	9.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	18	ug/kg	
78-59-1	Isophorone	ND	76	8.1	ug/kg	
91-57-6	2-Methylnaphthalene	788	76	8.6	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.0	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.5	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.9	ug/kg	
91-20-3	Naphthalene	386	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	76	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	38	13	ug/kg	
129-00-0	Pyrene	ND	38	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-106%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	69%		30-106%
118-79-6	2,4,6-Tribromophenol	87%		24-140%
4165-60-0	Nitrobenzene-d5	73%		26-122%
321-60-8	2-Fluorobiphenyl	66%		36-112%
1718-51-0	Terphenyl-d14	79%		36-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.06	580	ug/kg	J
	system artifact	3.38	220	ug/kg	J
	system artifact/aldol-condensation	3.44	430	ug/kg	J
	alkane	3.89	200	ug/kg	J
	unknown	4.14	190	ug/kg	J
	unknown	4.32	380	ug/kg	J
	C3 alkyl benzene	4.34	720	ug/kg	J
	C3 alkyl benzene	4.37	280	ug/kg	J
	unknown	4.53	200	ug/kg	J
	C3 alkyl benzene	4.56	1700	ug/kg	J
	alkane	4.78	300	ug/kg	J
	C4 alkyl benzene	4.88	970	ug/kg	J
	C4 alkyl benzene	4.92	1200	ug/kg	J
	unknown	4.97	280	ug/kg	J
	C4 alkyl benzene	5.02	500	ug/kg	J
	C4 alkyl benzene	5.24	190	ug/kg	J
	C4 alkyl benzene	5.26	230	ug/kg	J
	1H-indene-dihydro-methyl	5.37	330	ug/kg	J
	Benzene ethenyl dimethyl	5.42	580	ug/kg	J
	unknown	5.81	200	ug/kg	J
	1H-Indene-dihydro-dimethyl	5.89	160	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	6.20	240	ug/kg	JN
	unknown	6.64	230	ug/kg	J
	Total TIC, Semi-Volatile		9080	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190524.D	1	05/21/16	HB	05/20/16	OP94106	GXX5708
Run #2							

	Initial Weight	Final Volume
Run #1	5.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	98	48	ug/kg	
11104-28-2	Aroclor 1221	ND	98	48	ug/kg	
11141-16-5	Aroclor 1232	ND	98	39	ug/kg	
53469-21-9	Aroclor 1242	ND	98	35	ug/kg	
12672-29-6	Aroclor 1248	ND	98	62	ug/kg	
11097-69-1	Aroclor 1254	ND	98	49	ug/kg	
11096-82-5	Aroclor 1260	ND	98	41	ug/kg	
11100-14-4	Aroclor 1268	ND	98	35	ug/kg	
37324-23-5	Aroclor 1262	ND	98	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		20-152%
877-09-8	Tetrachloro-m-xylene	98%		20-152%
2051-24-3	Decachlorobiphenyl	103%		12-157%
2051-24-3	Decachlorobiphenyl	103%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6920	55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	59.8	22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.30	0.22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	1470	550	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	13.3	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	6.3	5.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	16.7	2.8	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	12200	55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	3.4	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	2630	550	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	222	1.7	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	05/23/16	05/23/16	MS	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.9	4.4	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	1490	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	19.8	5.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	39.5	5.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA39463
(2) Instrument QC Batch: MA39469
(3) Prep QC Batch: MP93853
(4) Prep QC Batch: MP93878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7		
Lab Sample ID:	JC20538-6	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	86.7
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.46	0.46	mg/kg	1	05/23/16 13:36	MP	SW846 3060A/7196A
Solids, Percent	86.7		%	1	05/20/16 15:50	KP	SM2540 G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E235449.D	1	05/24/16	TDN	05/20/16 10:00	n/a	VE10239
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.7 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	480	90	ug/kg	
71-43-2	Benzene	ND	24	5.7	ug/kg	
74-97-5	Bromochloromethane	ND	240	15	ug/kg	
75-27-4	Bromodichloromethane	ND	96	7.3	ug/kg	
75-25-2	Bromoform	ND	240	13	ug/kg	
74-83-9	Bromomethane	ND	240	23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	480	84	ug/kg	
75-15-0	Carbon disulfide	ND	96	8.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	96	7.9	ug/kg	
108-90-7	Chlorobenzene	ND	96	7.8	ug/kg	
75-00-3	Chloroethane	ND	240	21	ug/kg	
67-66-3	Chloroform	ND	96	11	ug/kg	
74-87-3	Chloromethane	ND	240	10	ug/kg	
110-82-7	Cyclohexane	ND	96	26	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	96	23	ug/kg	
124-48-1	Dibromochloromethane	ND	96	7.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	48	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	48	8.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	48	6.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	48	7.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	240	26	ug/kg	
75-34-3	1,1-Dichloroethane	ND	48	9.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	48	8.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	48	7.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	35.1	48	21	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	48	7.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	96	15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	96	9.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	96	11	ug/kg	
100-41-4	Ethylbenzene	ND	48	7.1	ug/kg	
76-13-1	Freon 113	ND	240	23	ug/kg	
591-78-6	2-Hexanone	ND	240	67	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	96	7.4	ug/kg	
79-20-9	Methyl Acetate	ND	240	97	ug/kg	
108-87-2	Methylcyclohexane	ND	96	24	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	48	13	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	240	41	ug/kg	
75-09-2	Methylene chloride	ND	240	16	ug/kg	
100-42-5	Styrene	ND	96	6.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	96	11	ug/kg	
127-18-4	Tetrachloroethene	5930	96	13	ug/kg	
108-88-3	Toluene	ND	48	6.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	240	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	240	8.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	96	8.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	96	15	ug/kg	
79-01-6	Trichloroethene	42.6	48	9.1	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	240	30	ug/kg	
75-01-4	Vinyl chloride	ND	96	9.7	ug/kg	
	m,p-Xylene	ND	48	10	ug/kg	
95-47-6	o-Xylene	ND	48	9.7	ug/kg	
1330-20-7	Xylene (total)	ND	48	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-122%
17060-07-0	1,2-Dichloroethane-D4	107%		68-124%
2037-26-5	Toluene-D8	95%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F157469.D	1	05/24/16	BP	05/20/16	OP94109	EF6627
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	100	ug/kg	
87-86-5	Pentachlorophenol	ND	190	35	ug/kg	
108-95-2	Phenol	ND	75	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.0	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	125	75	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	ND	75	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	75	15	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	17	ug/kg	
132-64-9	Dibenzofuran	87.5	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	6.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	9.3	ug/kg	
84-66-2	Diethyl phthalate	ND	75	8.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	8.7	ug/kg	
206-44-0	Fluoranthene	ND	37	17	ug/kg	
86-73-7	Fluorene	134	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	18	ug/kg	
78-59-1	Isophorone	ND	75	8.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	75	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.7	ug/kg	
91-20-3	Naphthalene	ND	37	11	ug/kg	
98-95-3	Nitrobenzene	ND	75	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	251	37	13	ug/kg	
129-00-0	Pyrene	35.2	37	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		30-106%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	81%		30-106%
118-79-6	2,4,6-Tribromophenol	103%		24-140%
4165-60-0	Nitrobenzene-d5	90%		26-122%
321-60-8	2-Fluorobiphenyl	78%		36-112%
1718-51-0	Terphenyl-d14	84%		36-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.07	680	ug/kg	J
	system artifact	3.16	3000	ug/kg	J
	system artifact/aldol-condensation	3.44	600	ug/kg	J
	alkane	4.57	550	ug/kg	J
	alkane	5.91	950	ug/kg	J
	alkane	6.04	900	ug/kg	J
	unknown	6.21	460	ug/kg	J
	Naphthalene dimethyl	6.65	770	ug/kg	J
	Naphthalene dimethyl	6.71	1100	ug/kg	J
	alkane	6.77	2600	ug/kg	J
	Naphthalene dimethyl	6.82	480	ug/kg	J
	unknown	6.90	630	ug/kg	J
	unknown	6.94	560	ug/kg	J
	alkane	6.97	1600	ug/kg	J
	Naphthalene trimethyl	7.14	610	ug/kg	J
	Naphthalene trimethyl	7.23	640	ug/kg	J
	Cyclohexane alkyl	7.30	480	ug/kg	J
	alkane	7.77	1600	ug/kg	J
	alkane	8.13	7100	ug/kg	J
	alkane	8.39	1500	ug/kg	J
	alkane	8.44	750	ug/kg	J
	alkane	8.79	1800	ug/kg	J
	alkane	8.84	3000	ug/kg	J
	alkane	9.43	1000	ug/kg	J
	alkane	9.52	1600	ug/kg	J
	Anthracene methyl	9.79	860	ug/kg	J
	alkane	10.29	1300	ug/kg	J
	alkane	11.09	1000	ug/kg	J
	Total TIC, Semi-Volatile		33840	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190529.D	1	05/21/16	HB	05/20/16	OP94106	GXX5708
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	18	ug/kg	
11104-28-2	Aroclor 1221	ND	36	18	ug/kg	
11141-16-5	Aroclor 1232	ND	36	14	ug/kg	
53469-21-9	Aroclor 1242	95.5	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	23	ug/kg	
11097-69-1	Aroclor 1254	ND	36	18	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	13	ug/kg	
37324-23-5	Aroclor 1262	ND	36	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		20-152%
877-09-8	Tetrachloro-m-xylene	70%		20-152%
2051-24-3	Decachlorobiphenyl	90%		12-157%
2051-24-3	Decachlorobiphenyl	96%		12-157%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11000	55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.3	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	76.6	22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.43	0.22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	1850	550	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	26.9	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	7.2	5.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	23.0	2.8	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	17400	55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	4.9	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	3990	550	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	227	1.7	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	05/23/16	05/23/16	MS	SW846 7471B [1]	SW846 7471B [4]
Nickel	17.2	4.4	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	2030	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	0.75	0.55	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	30.6	5.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	34.7	5.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA39463
(2) Instrument QC Batch: MA39469
(3) Prep QC Batch: MP93853
(4) Prep QC Batch: MP93878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8-1		
Lab Sample ID:	JC20538-7	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	89.2
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.67	0.45	mg/kg	1	05/23/16 13:36	MP	SW846 3060A/7196A
Solids, Percent	89.2		%	1	05/20/16 15:50	KP	SM2540 G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V27934.D	1	05/24/16	TDN	05/20/16 10:00	n/a	V3V1143
Run #2							

	Initial Weight
Run #1	7.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.2	7.5	1.4	ug/kg	J
71-43-2	Benzene	ND	0.38	0.090	ug/kg	
74-97-5	Bromochloromethane	ND	3.8	0.24	ug/kg	
75-27-4	Bromodichloromethane	ND	1.5	0.11	ug/kg	
75-25-2	Bromoform	ND	3.8	0.20	ug/kg	
74-83-9	Bromomethane	ND	3.8	0.37	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.5	1.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.5	0.13	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.5	0.12	ug/kg	
108-90-7	Chlorobenzene	ND	1.5	0.12	ug/kg	
75-00-3	Chloroethane	ND	3.8	0.32	ug/kg	
67-66-3	Chloroform	ND	1.5	0.18	ug/kg	
74-87-3	Chloromethane	ND	3.8	0.16	ug/kg	
110-82-7	Cyclohexane	ND	1.5	0.41	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	0.36	ug/kg	
124-48-1	Dibromochloromethane	ND	1.5	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.75	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.75	0.13	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.75	0.10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.75	0.12	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.8	0.41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.75	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.75	0.13	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.75	0.12	ug/kg	
156-59-2	cis-1,2-Dichloroethene	5.5	0.75	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.12	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.5	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.17	ug/kg	
100-41-4	Ethylbenzene	ND	0.75	0.11	ug/kg	
76-13-1	Freon 113	ND	3.8	0.36	ug/kg	
591-78-6	2-Hexanone	ND	3.8	1.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.59	1.5	0.12	ug/kg	J
79-20-9	Methyl Acetate	ND	3.8	1.5	ug/kg	
108-87-2	Methylcyclohexane	1.6	1.5	0.38	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.75	0.20	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.8	0.64	ug/kg	
75-09-2	Methylene chloride	0.34	3.8	0.26	ug/kg	J
100-42-5	Styrene	ND	1.5	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.18	ug/kg	
127-18-4	Tetrachloroethene	13.6	1.5	0.21	ug/kg	
108-88-3	Toluene	ND	0.75	0.094	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	0.17	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.8	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.24	ug/kg	
79-01-6	Trichloroethene	1.9	0.75	0.14	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	0.47	ug/kg	
75-01-4	Vinyl chloride	ND	1.5	0.15	ug/kg	
	m,p-Xylene	ND	0.75	0.16	ug/kg	
95-47-6	o-Xylene	ND	0.75	0.15	ug/kg	
1330-20-7	Xylene (total)	ND	0.75	0.15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-122%
17060-07-0	1,2-Dichloroethane-D4	90%		68-124%
2037-26-5	Toluene-D8	96%		77-125%
460-00-4	4-Bromofluorobenzene	98%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	16.61	30	ug/kg	J
	alkane	17.61	48	ug/kg	J
	alkane	17.75	25	ug/kg	J
	1H-Indene-dihydro-methyl-isomer	17.88	34	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.09	23	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.13	30	ug/kg	J
	alkane	18.28	66	ug/kg	J
	alkane	18.52	80	ug/kg	J
	Naphthalene, tetrahydro-methyl- isomer	18.66	45	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.80	27	ug/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8260C SW846 5035	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	18.99	32	ug/kg	J
	alkane	19.23	28	ug/kg	J
	alkane	19.42	32	ug/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	19.51	41	ug/kg	J
	Naphthalene, methyl- isomer	19.86	28	ug/kg	J
	Total TIC, Volatile		569	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F157470.D	1	05/24/16	BP	05/20/16	OP94109	EF6627
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	180	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	29.1	36	12	ug/kg	J
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	39.2	72	4.9	ug/kg	J
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.4	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.4	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.9	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	127	36	12	ug/kg	
129-00-0	Pyrene	ND	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		30-106%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	73%		30-106%
118-79-6	2,4,6-Tribromophenol	94%		24-140%
4165-60-0	Nitrobenzene-d5	87%		26-122%
321-60-8	2-Fluorobiphenyl	76%		36-112%
1718-51-0	Terphenyl-d14	88%		36-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.07	790	ug/kg	J
	system artifact	3.38	390	ug/kg	J
	system artifact/aldol-condensation	3.44	500	ug/kg	J
	alkane	4.57	380	ug/kg	J
	unknown	5.82	260	ug/kg	J
	unknown	5.91	330	ug/kg	J
	alkane	6.04	700	ug/kg	J
	Naphthalene dimethyl	6.70	460	ug/kg	J
	alkane	6.76	750	ug/kg	J
	Naphthalene dimethyl	6.82	250	ug/kg	J
	alkane	6.96	1100	ug/kg	J
	Naphthalene trimethyl	7.13	260	ug/kg	J
	alkane	7.20	310	ug/kg	J
	Naphthalene trimethyl	7.23	360	ug/kg	J
	Naphthalene trimethyl	7.28	220	ug/kg	J
	alkane	7.29	260	ug/kg	J
	alkane	7.50	990	ug/kg	J
	alkane	7.77	680	ug/kg	J
	alkane	8.10	2500	ug/kg	J
	alkane	8.38	520	ug/kg	J
	alkane	8.43	250	ug/kg	J
	alkane	8.52	230	ug/kg	J
	alkane	8.78	1200	ug/kg	J
	alkane	8.83	670	ug/kg	J
	unknown	9.09	270	ug/kg	J
	alkane	9.51	910	ug/kg	J
	alkane	10.28	750	ug/kg	J
	alkane	11.09	510	ug/kg	J
	Total TIC, Semi-Volatile		15120	ug/kg	J

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Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190530.D	1	05/21/16	HB	05/20/16	OP94106	GXX5708
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	18	ug/kg	
11104-28-2	Aroclor 1221	ND	36	18	ug/kg	
11141-16-5	Aroclor 1232	ND	36	14	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	23	ug/kg	
11097-69-1	Aroclor 1254	ND	36	18	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	13	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		20-152%
877-09-8	Tetrachloro-m-xylene	96%		20-152%
2051-24-3	Decachlorobiphenyl	107%		12-157%
2051-24-3	Decachlorobiphenyl	115%		12-157%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5960	56	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Barium	45.9	22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.28	0.22	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Calcium	12300	560	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Chromium	12.9	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Copper	11.6	2.8	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Iron	10100	56	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Lead	3.8	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Magnesium	5670	560	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Manganese	243	1.7	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	05/23/16	05/23/16	MS	SW846 7471B [1]	SW846 7471B [4]
Nickel	16.9	4.5	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Potassium	1220	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Silver	0.59	0.56	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Vanadium	13.7	5.6	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]
Zinc	20.3	5.6	mg/kg	1	05/21/16	05/23/16	BS	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA39463
(2) Instrument QC Batch: MA39469
(3) Prep QC Batch: MP93853
(4) Prep QC Batch: MP93878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8-2		
Lab Sample ID:	JC20538-8	**Date Sampled:**	05/18/16
Matrix:	SO - Soil	**Date Received:**	05/19/16
		Percent Solids:	91.0
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.44	0.44	mg/kg	1	05/23/16 13:36	MP	SW846 3060A/7196A
Solids, Percent	91		%	1	05/20/16 15:50	KP	SM2540 G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A161068.D	1	05/20/16	HA	n/a	n/a	V1A6893
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.8	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

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Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.35	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	100%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	99%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.98	250	ug/l	JB
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P28417.D	1	05/26/16	SB	05/24/16	OP94196	E5P1445
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	11	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	5.3	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

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Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		14-88%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	37%		10-110%
118-79-6	2,4,6-Tribromophenol	86%		39-149%
4165-60-0	Nitrobenzene-d5	71%		32-128%
321-60-8	2-Fluorobiphenyl	77%		35-119%
1718-51-0	Terphenyl-d14	80%		10-126%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.35	150	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190792.D	1	05/26/16	JR	05/25/16	OP94219	GXX5713
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.22	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.29	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.24	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.073	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.17	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-161%
877-09-8	Tetrachloro-m-xylene	81%		10-161%
2051-24-3	Decachlorobiphenyl	41%		10-137%
2051-24-3	Decachlorobiphenyl	49%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-1
Lab Sample ID: JC20538-9
Matrix: AQ - Ground Water
Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY

Date Sampled: 05/18/16
Date Received: 05/19/16
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5910	200	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Calcium	50700	5000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Chromium	23.5	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Copper	18.6	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Iron	8450	100	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Lead	8.2	3.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Magnesium	9740	5000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Manganese	1540	15	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	05/24/16	05/24/16	MA	SW846 7470A [2]	SW846 7470A [4]
Nickel	15.2	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Sodium	97800	10000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Thallium	< 2.0	2.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA39469
(2) Instrument QC Batch: MA39476
(3) Prep QC Batch: MP93855
(4) Prep QC Batch: MP93904

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TW-1		
Lab Sample ID:	JC20538-9	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
		Percent Solids:	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	05/20/16 22:20	LS	SW846 7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A161072.D	100	05/20/16	HA	n/a	n/a	V1A6893
Run #2	1A161073.D	500	05/20/16	HA	n/a	n/a	V1A6893

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	380	ug/l	
71-43-2	Benzene	ND	50	14	ug/l	
74-97-5	Bromochloromethane	ND	100	46	ug/l	
75-27-4	Bromodichloromethane	ND	100	55	ug/l	
75-25-2	Bromoform	ND	100	34	ug/l	
74-83-9	Bromomethane	ND	200	46	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	190	ug/l	
75-15-0	Carbon disulfide	ND	200	33	ug/l	
56-23-5	Carbon tetrachloride	ND	100	54	ug/l	
108-90-7	Chlorobenzene	ND	100	17	ug/l	
75-00-3	Chloroethane	ND	100	44	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	96	ug/l	
110-82-7	Cyclohexane	ND	500	73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	69	ug/l	
124-48-1	Dibromochloromethane	ND	100	23	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	100	23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	100	19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	100	21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	200	70	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	21	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	39	ug/l	
75-35-4	1,1-Dichloroethene	25.4	100	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	39000 [a]	500	150	ug/l	
156-60-5	trans-1,2-Dichloroethene	150	100	36	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	26	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
76-13-1	Freon 113	ND	500	120	ug/l	
591-78-6	2-Hexanone	ND	500	150	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	20.1	100	16	ug/l	J
79-20-9	Methyl Acetate	ND	500	150	ug/l	
108-87-2	Methylcyclohexane	ND	500	78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	120	ug/l	
75-09-2	Methylene chloride	ND	200	35	ug/l	
100-42-5	Styrene	ND	100	27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	39	ug/l	
127-18-4	Tetrachloroethene	9360	100	23	ug/l	
108-88-3	Toluene	ND	100	23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	100	20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	100	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	28	ug/l	
79-01-6	Trichloroethene	4520	100	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	200	58	ug/l	
75-01-4	Vinyl chloride	499	100	33	ug/l	
	m,p-Xylene	ND	100	42	ug/l	
95-47-6	o-Xylene	ND	100	21	ug/l	
1330-20-7	Xylene (total)	ND	100	21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	76-120%
17060-07-0	1,2-Dichloroethane-D4	100%	101%	73-122%
2037-26-5	Toluene-D8	99%	99%	84-119%
460-00-4	4-Bromofluorobenzene	98%	99%	78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.98	6700	ug/l	JB
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P28418.D	1	05/26/16	SB	05/24/16	OP94196	E5P1445
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	0.92	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	11	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.6	1.5	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.0	ug/l	
	3&4-Methylphenol	ND	2.2	0.99	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	1.1	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.3	ug/l	
87-86-5	Pentachlorophenol	ND	5.6	1.6	ug/l	
108-95-2	Phenol	ND	2.2	0.44	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.0	ug/l	
83-32-9	Acenaphthene	7.5	1.1	0.21	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.15	ug/l	
98-86-2	Acetophenone	ND	2.2	0.23	ug/l	
120-12-7	Anthracene	ND	1.1	0.24	ug/l	
1912-24-9	Atrazine	ND	2.2	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.6	0.32	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.38	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.23	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.45	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.51	ug/l	
92-52-4	1,1'-Biphenyl	6.7	1.1	0.24	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.27	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.38	ug/l	
86-74-8	Carbazole	4.0	1.1	0.26	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.73	ug/l	
218-01-9	Chrysene	ND	1.1	0.20	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.31	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.28	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.41	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.62	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.53	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.57	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.74	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.37	ug/l	
132-64-9	Dibenzofuran	9.0	5.6	0.25	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.29	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.24	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	1.9	ug/l	
206-44-0	Fluoranthene	0.58	1.1	0.19	ug/l	J
86-73-7	Fluorene	9.7	1.1	0.19	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.55	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	3.1	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.44	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.37	ug/l	
78-59-1	Isophorone	ND	2.2	0.31	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.24	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.43	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.49	ug/l	
91-20-3	Naphthalene	ND	1.1	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.72	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.54	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.25	ug/l	
85-01-8	Phenanthrene	30.5	1.1	0.20	ug/l	
129-00-0	Pyrene	2.2	1.1	0.25	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.42	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		14-88%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	52%		10-110%
118-79-6	2,4,6-Tribromophenol	110%		39-149%
4165-60-0	Nitrobenzene-d5	122%		32-128%
321-60-8	2-Fluorobiphenyl	109%		35-119%
1718-51-0	Terphenyl-d14	66%		10-126%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.34	92	ug/l	J
	alkane	4.59	48	ug/l	J
	alkane	5.31	75	ug/l	J
	unknown	6.84	90	ug/l	J
	Naphthalene ethyl	7.18	73	ug/l	J
	Naphthalene dimethyl	7.25	56	ug/l	J
	Naphthalene dimethyl	7.32	76	ug/l	J
	Naphthalene dimethyl	7.35	55	ug/l	J
	alkane	7.42	120	ug/l	J
	Naphthalene trimethyl	7.76	47	ug/l	J
	alkane	7.94	57	ug/l	J
	Naphthalene trimethyl	7.97	56	ug/l	J
	Naphthalene trimethyl	8.06	95	ug/l	J
	alkane	8.12	120	ug/l	J
	1,1'-Biphenyl, methyl-	8.25	47	ug/l	J
	alkane	8.34	130	ug/l	J
	alkane	8.60	240	ug/l	J
	alkane	8.80	88	ug/l	J
	alkane	9.09	120	ug/l	J
	alkane	9.12	91	ug/l	J
	alkane	9.58	130	ug/l	J
	Anthracene methyl	9.79	60	ug/l	J
	Phenanthrene methyl	9.89	49	ug/l	J
	alkane	10.09	100	ug/l	J
	alkane	10.60	89	ug/l	J
	alkane	11.12	58	ug/l	J
	Total TIC, Semi-Volatile		2170	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190793.D	1	05/26/16	JR	05/25/16	OP94219	GXX5713
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.57	0.23	ug/l	
11104-28-2	Aroclor 1221	ND	0.57	0.35	ug/l	
11141-16-5	Aroclor 1232	ND	0.57	0.30	ug/l	
53469-21-9	Aroclor 1242	ND	0.57	0.24	ug/l	
12672-29-6	Aroclor 1248	ND	0.57	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.57	0.074	ug/l	
11096-82-5	Aroclor 1260	ND	0.57	0.17	ug/l	
11100-14-4	Aroclor 1268	ND	0.57	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.57	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-161%
877-09-8	Tetrachloro-m-xylene	84%		10-161%
2051-24-3	Decachlorobiphenyl	33%		10-137%
2051-24-3	Decachlorobiphenyl	40%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-2
Lab Sample ID: JC20538-10
Matrix: AQ - Ground Water
Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY

Date Sampled: 05/18/16
Date Received: 05/19/16
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5420	200	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Arsenic	3.1	3.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Calcium	38900	5000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Chromium	19.4	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Copper	19.6	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Iron	9270	100	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Lead	5.2	3.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Magnesium	15600	5000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Manganese	4680	15	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	05/24/16	05/24/16	MA	SW846 7470A [2]	SW846 7470A [4]
Nickel	17.2	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Sodium	43800	10000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Thallium	< 2.0	2.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Zinc	46.6	20	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA39469
(2) Instrument QC Batch: MA39476
(3) Prep QC Batch: MP93855
(4) Prep QC Batch: MP93904

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JC20538-10	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
		Percent Solids:	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	05/20/16 22:20	LS	SW846 7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C139252.D	1	05/23/16	HT	n/a	n/a	V2C6244
Run #2	1A161070.D	5	05/20/16	HA	n/a	n/a	V1A6893

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.8	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	5.8	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	0.67	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	360 [a]	5.0	1.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	4.9	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	1.5	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	5.6	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.35	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	0.42	1.0	0.26	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	359 [a]	5.0	1.6	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	102%	76-120%
17060-07-0	1,2-Dichloroethane-D4	93%	99%	73-122%
2037-26-5	Toluene-D8	96%	99%	84-119%
460-00-4	4-Bromofluorobenzene	100%	98%	78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	16.75	13	ug/l	J
	C4 alkyl benzene	17.59	14	ug/l	J
	1H-indene-dihydro-methyl- isomer	17.71	13	ug/l	J
	1H-Indene-dihydro-methyl- isomer	17.79	26	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.57	22	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	18.85	21	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	18.92	14	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	19.03	34	ug/l	J
	Naphthalene, tetrahydro-methyl- isomer	19.33	23	ug/l	J
	Naphthalene, tetrahydro-methyl- isomer	19.44	29	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	19.58	19	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	20.02	18	ug/l	J
	Naphthalene, tetrahydro-methyl- isomer	20.19	16	ug/l	J
	Naphthalene, tetrahydro-dimethyl- isomer	20.32	20	ug/l	J
	unknown	20.67	14	ug/l	J
	Total TIC, Volatile		296	ug/l	J

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P28419.D	1	05/26/16	SB	05/24/16	OP94196	E5P1445
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	0.91	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	0.99	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	11	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.6	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.2	0.99	ug/l	
	3&4-Methylphenol	ND	2.2	0.98	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	1.1	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.3	ug/l	
87-86-5	Pentachlorophenol	ND	5.6	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.44	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.0	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.21	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.15	ug/l	
98-86-2	Acetophenone	ND	2.2	0.23	ug/l	
120-12-7	Anthracene	ND	1.1	0.23	ug/l	
1912-24-9	Atrazine	ND	2.2	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.6	0.32	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.38	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.23	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.45	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.51	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.24	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.26	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.38	ug/l	
86-74-8	Carbazole	4.9	1.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.72	ug/l	
218-01-9	Chrysene	ND	1.1	0.20	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.31	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.28	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.41	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.61	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.53	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.56	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.73	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.37	ug/l	
132-64-9	Dibenzofuran	9.2	5.6	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.55	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.29	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.24	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	1.8	ug/l	
206-44-0	Fluoranthene	0.67	1.1	0.19	ug/l	J
86-73-7	Fluorene	6.9	1.1	0.19	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.55	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	3.1	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.43	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.37	ug/l	
78-59-1	Isophorone	ND	2.2	0.31	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.23	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.43	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.49	ug/l	
91-20-3	Naphthalene	ND	1.1	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.71	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	2.6	1.1	0.24	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		14-88%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	38%		10-110%
118-79-6	2,4,6-Tribromophenol	81%		39-149%
4165-60-0	Nitrobenzene-d5	97%		32-128%
321-60-8	2-Fluorobiphenyl	90%		35-119%
1718-51-0	Terphenyl-d14	63%		10-126%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.35	87	ug/l	J
	unknown	5.60	29	ug/l	J
	1H-Indene, 2,3-dihydro-dimethyl-	5.99	29	ug/l	J
	alkane	6.03	37	ug/l	J
	unknown	6.24	29	ug/l	J
	1H-Indene, 2,3-dihydro-dimethyl-	6.33	26	ug/l	J
	alkane	6.38	68	ug/l	J
	alkane	6.64	37	ug/l	J
	Naphthalene tetrahydro-dimethyl	6.75	28	ug/l	J
	unknown	6.84	28	ug/l	J
	alkane	7.42	52	ug/l	J
	Naphthalene trimethyl	8.06	40	ug/l	J
	1,1'-Biphenyl, methyl-	8.25	37	ug/l	J
	alkane	8.34	64	ug/l	J
	unknown	8.54	26	ug/l	J
	unknown	8.57	31	ug/l	J
	alkane	8.61	130	ug/l	J
	unknown	8.65	45	ug/l	J
	9H-Fluorene, methyl-	8.76	55	ug/l	J
	1,1'-Biphenyl, dimethyl-	8.79	68	ug/l	J
	alkane	8.84	38	ug/l	J
	unknown	8.92	43	ug/l	J
	unknown	8.97	30	ug/l	J
	unknown	9.05	32	ug/l	J
	alkane	9.11	75	ug/l	J
	unknown	9.24	29	ug/l	J
	unknown	9.31	27	ug/l	J
	Phenanthrene dimethyl	10.46	30	ug/l	J
	Total TIC, Semi-Volatile		1163	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX190794.D	1	05/26/16	JR	05/25/16	OP94219	GXX5713
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.53	0.21	ug/l	
11104-28-2	Aroclor 1221	ND	0.53	0.33	ug/l	
11141-16-5	Aroclor 1232	ND	0.53	0.27	ug/l	
53469-21-9	Aroclor 1242	ND	0.53	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.53	0.26	ug/l	
11097-69-1	Aroclor 1254	ND	0.53	0.069	ug/l	
11096-82-5	Aroclor 1260	ND	0.53	0.16	ug/l	
11100-14-4	Aroclor 1268	ND	0.53	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.53	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		10-161%
877-09-8	Tetrachloro-m-xylene	63%		10-161%
2051-24-3	Decachlorobiphenyl	38%		10-137%
2051-24-3	Decachlorobiphenyl	45%		10-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3
Lab Sample ID: JC20538-11
Matrix: AQ - Ground Water
Project: Phase II ESA, 840-860 East 233rd Street, Bronx, NY

Date Sampled: 05/18/16
Date Received: 05/19/16
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	167000	1000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	< 30	30	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	50.0	15	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Barium [a]	2800	1000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Beryllium [a]	10.0	5.0	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	< 15	15	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	172000	25000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	658	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Cobalt [a]	< 250	250	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Copper [a]	496	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Iron [a]	331000	500	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Lead [a]	184	15	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Magnesium [a]	106000	25000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Manganese [a]	17100	75	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Mercury [a]	< 1.2	1.2	ug/l	1	05/24/16	05/24/16	MA	SW846 7470A [2]	SW846 7470A [4]
Nickel [a]	388	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Potassium [a]	< 50000	50000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	< 50	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Silver [a]	< 50	50	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Sodium [a]	< 50000	50000	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Thallium [a]	< 10	10	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Vanadium [a]	544	250	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]
Zinc [a]	757	100	ug/l	1	05/20/16	05/23/16	BS	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA39469
(2) Instrument QC Batch: MA39476
(3) Prep QC Batch: MP93855
(4) Prep QC Batch: MP93904

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TW-3		
Lab Sample ID:	JC20538-11	**Date Sampled:**	05/18/16
Matrix:	AQ - Ground Water	**Date Received:**	05/19/16
		Percent Solids:	n/a
Project:	Phase II ESA, 840-860 East 233rd Street, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	05/20/16 22:20	LS	SW846 7196A

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SLL

SGS ACCUTEST — CHAIN OF CUSTODY

PAGE 1 OF 1

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
SGS Accutest Quote # | SGS Accutest Job # JC20538

Project Information

Project Name: Phase II ESA
Street: 840-860 E 233rd St
City: BRONX State: NY
Project #: 12401
Client Purchase Order #
Project Manager: K Patterson

Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL VOC + TICs	TCL SVOC	PCB	TAL Metals + Hex Cr	LAB USE ONLY
1	SB-1		5-17-16	1540	BNS	SO	1								3	✓				D20
2	SB-3		5-17-16	1400	BNS	SO	1								3	✓				P4
3	SB-5		5-18-16	1100	BNS	SO	1								3	✓	✓	✓	✓	14G1
4	SB-6		5-18-16	1125	BNS	SO	1								3	✓	✓	✓	✓	49129

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☒ 5 Day RUSH Standard
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☐ 1 Day RUSH
- ☐ other _____

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:
INITIAL ASESSMENT: JAS ✓
LABEL VERIFICATION: JV

Data Deliverable Information

- ☑ Commercial "A" (Level 1)
- ☑ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____
- ☐ Other _____
- ☐ NJ Data of Known Quality Protocol Reporting

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions
• Received 3 Encores 5/18/16

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Bethany Nelson	5-18-16 1115			5/18/16 17:25	
2						
3						
4						
5						

Custody Seal # ☐ Intact ☐ Not intact — Preserved where applicable ☐ — On Ice ☒ — Cooler Temp. 4.3 CIG

JC20538: Chain of Custody
Page 1 of 3

SGS Accutest Sample Receipt Summary

Job Number: JC20538 **Client:** _____ **Project:** _____

Date / Time Received: 5/18/2016 5:25:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.3);

Cooler Temps (Corrected) °C: Cooler 1: (5.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

4.1

4

SGS ACCUTEST

SB SCL GW

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: JC20538

Project Information

Project Name: Phase II ESA
Street: 840-860 E 233rd St
City: BRONX State: NY
Project #: 12401-1
Client Purchase Order #:
Project Manager: K PATTERSON

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

TCL VOC + TIC | TCL SVOC | PCB | TAL Metals + HexCr

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
5	SB-4	0	5-18-16	1150	BNS	SO	1							3		ES0
6	SB-7	0	5-18-16	1240	BNS	SO	1							3		A27
7	SB-8-1	0	5-18-16	1350	BNS	SO	1							3		V155
8	SB-8-2	0	5-18-16	1425	BNS	SO	1							3		
9	TW-1		5-18-16	1205	BNS	GW	7	3		1		3				D38
10	TW-2		5-18-16	1510	BNS	GW	6	3		1		2				D497
11	TW-3		5-18-16	1620	BNS	GW	7	3		1		3				1463
																49131

INITIAL ASESSMENT: AA
LABEL VERIFICATION: GR

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Approved By (SGS Accutest PM) / Date: BT 5/19/16 92

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

03 encores received 5/19/16 JR

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ben Lang	5-19-16 920	1	2	5/19/16 17:04	2
3			3	4		4
5			5	Custody Seal #	Intact / Not intact	Preserved where applicable: JR; On Ice: ✓; Cooler Temp: 1.9° 3.5°