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# Appendix A

## Hazardous Materials



# ***Laguardia Parking at the Marriott***

102-05 Ditmars Boulevard  
East Elmhurst, New York

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CEQR# 15DCP160Q

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**August 5, 2015**



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# 1.0

## Introduction

VHB has prepared this Phase II Environmental Site Assessment (ESA) Report in conformance with ASTM Standard E 1903-11 to document the results of a subsurface investigation conducted on June 29 and July 7, 2015 for the 102-05 Ditmars Blvd. Garage project, located at 102-05 Ditmars Boulevard in the East Elmhurst neighborhood of Queens, Community District 3. The project site encompasses Queens Block 1641, Lot No. 1 on the New York City (NYC) Tax Maps. The Site has approximately 950 feet of frontage on Ditmars Boulevard, 350-feet of frontage along the east side of 102nd Street Bridge, and 1,151 feet of frontage along the south side of the eastbound Grand Central Parkway service road for a total lot area of 155,700 square feet (s.f.). The site is currently improved with a ten-story hotel building (i.e., the Marriott) and associated parking and appurtenances. A site location (topographic) map is provided as Figure 1 in Attachment A. Representative site photographs are included in Attachment F of this Phase II ESA Report.

The proposed redevelopment plan calls for the construction of an approximately 547,687 gross square foot (gsf), 111 foot tall (excluding bulkheads) public parking garage structure that would consist of 2,200 parking spaces. The proposed garage structure would contain two components, one containing approximately 410 spaces as accessory to the hotel and a long-term parking component containing 1,800 spaces to be used by air passengers from LaGuardia Airport. The new garage structure would replace the existing at-grade parking facility and surface parking lot of 410 accessory spaces associated with the adjacent hotel. Due to variations in grade, the garage structure would rise eight stories from the Ditmars Boulevard frontage and ten stories from the Grand Central Parkway frontage. The proposed actions would not result in any new modifications to the existing ten-story hotel.

At the request of the New York City Department of Environmental Protection (NYCDEP), VHB prepared a Phase II ESA Work Plan for the site, dated May 5, 2015



that was reviewed and conditionally approved by the NYCDEP in correspondence dated June 2, 2015. The approved Work Plan was developed in order to assess soil and groundwater conditions at the subject property within the footprint of the proposed parking garage structure. In accordance with the Work Plan and correspondence from the NYCDEP, a limited geophysical survey was conducted in order to clear locations for the installation of four (4) soil borings and two groundwater monitoring wells. A summary of the subsurface investigation activities and sample results is provided in the sections, below.



# 2.0

## Subsurface Investigation

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### 2.1 Limited Geophysical Survey

On June 29, 2015, VHB and its subcontractors mobilized on-site in order to perform a limited geophysical survey at the project site. As the site is currently developed with a surface parking lot associated with the existing hotel, the potential for sub-grade features (e.g., electrical conduits, drainage structures, etc.) was identified. Soil and groundwater sample locations were selected by the VHB field representative, and a limited geophysical survey (e.g., magnetometer and ground-penetrating radar [GPR] surveys, radio frequency [RF] line tracers, fiber-optic cameras, etc.) was conducted to determine if any subgrade structures were present within or proximate to the soil and groundwater sample locations. The results of the limited geophysical survey indicated that no subsurface structures or utilities were present within or proximate to the soil boring locations. Thus, no soil/groundwater samples were relocated as a result.

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### 2.2 Soil Sampling

Based upon the results of the limited geophysical survey, four (4) soil boring locations were identified in order to obtain representative soil conditions within the location of the project site. The soil borings, identified as VHB-1, VHB-2, VHB-3 and VHB-4 are depicted on Figure 2 in Attachment A of this Phase II ESA Report. The soil borings were drilled by VHB's subcontractor utilizing a Geoprobe® hydraulic push drill rig and were advanced to the proposed terminal excavation depth in order to obtain an accurate profile of the soils at the site. Continuous soil samples were collected in factory-new macrocore soil sampling tubes. All field equipment



associated with the Geoprobe was decontaminated between boring locations using an Alconox detergent/potable water wash and potable water rinse.

All soils were screened in one-foot intervals using a photoionization detector (PID)<sup>1</sup> for the presence of volatile organic compounds (VOCs). No significant PID detections were identified during the field activities (soil boring logs provided in Attachment D of this Phase II ESA).

As requested by the NYCDEP in correspondence dated June 2, 2015, shallow soil samples (one-to-two feet below grade surface [bgs]) and deeper soils representative of the terminal excavation depths were required within the soil boring locations. VHB collected eight (8) soil samples from the four (4) soil borings located within the footprint of the proposed parking garage. The soil samples were collected utilizing stainless steel hand tools or from factory new macrocore sampling tubes at depths of one-to-two feet bgs and 11-to-12 feet bgs. Soil samples were characterized by VHB field staff and inspected for visual or olfactory evidence of contamination (i.e., staining and/or odors). No visual or olfactory evidence of gross contamination was identified by VHB personnel during the field sampling.

Upon collection, soil samples were transferred directly into laboratory-supplied glassware, with visual observations recorded. Soil samples were then placed in a cooler packed with ice pending transport to York Analytical Laboratories, Inc. (York) under appropriate chain-of-custody protocols. York is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. The eight (8) soil samples were analyzed for Target Compound List VOCs using United States Environmental Protection Agency (USEPA) Method 8260, TCL semi-volatile organic compounds (SVOCs) using USEPA Method 8270, pesticides using USEPA Method 8081, polychlorinated biphenyls (PCBs) using USEPA Method 8082 and Target Analyte List (TAL) Metals using USEPA Methods 9010 and 7471. Sample results were compared to the NYSDEC Part 375 Unrestricted Use Soil Clean-up Objectives (UUSCOs) as outlined in Table 375-6.8(a), December 14, 2006, and NYSDEC Part 375 Restricted Residential Use Soil Clean-up Objectives (RUSCOs) as outlined in Table 375-6.8(b), December 14, 2006.

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### 2.2.1 Soil Boring VHB-1

Soil boring VHB-1 was installed within the southeastern portion of the proposed parking garage footprint proximate to the location of an existing groundwater

▼  
<sup>1</sup> A PID is a handheld field instrument capable of detecting a wide range of VOCs.



monitoring well B-5A (as depicted on Figure 2 in Attachment A), which was installed during a previous geotechnical evaluation (see Section 2.3).

As required, two (2) soil samples were collected from this soil boring location, VHB-1 (0-2') and VHB-1 (11-12'). As indicated on Table 1 in Attachment B, no VOCs, SVOCs or metals were detected at concentrations that exceeded their respective NYSDEC Part 375 UUSCOs in either soil sample (laboratory analytical data included in Attachment C of this Phase II ESA). Furthermore, no PCBs or pesticides were detected above their respective laboratory method detection limits (MDLs) in either soil sample.

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### 2.2.2 Soil Boring VHB-2

Soil boring VHB-2 was installed within the central portions of the proposed parking garage footprint to the west of VHB-1, within the existing surface parking lot located on the eastern portions of the site.

As required, two (2) soil samples were collected from this soil boring VHB-2 (0-2') and VHB-2 (11-12'). As indicated on Table 1 in Attachment B, no VOCs, SVOCs or metals were detected at concentrations that exceeded their respective NYSDEC Part 375 UUSCOs in either soil sample (laboratory analytical data provided in Attachment C). Furthermore, no PCBs or pesticides were detected above their respective laboratory MDLs in either soil sample.

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### 2.2.3 Soil Boring VHB-3

Soil boring VHB-3 was installed within the south-central portions of the proposed parking garage footprint, within the ground level of the existing parking garage that will be replaced.

As required, two (2) soil samples were collected from this location, VHB-3 (0-2') and VHB-3 (11-12'). As indicated on Table 1 in Attachment B, no SVOCs or metals were detected at concentrations that exceeded their respective NYSDEC Part 375 UUSCOs in soil sample VHB-3 (11-12') (laboratory analytical data provided in Attachment C). Furthermore, no VOCs, PCBs or pesticides were detected above their respective laboratory MDLs in soil sample VHB-3 (11-12'). No VOCs or SVOCs were detected at concentrations that exceed their respective NYSDEC Part 375 UUSCOs in sample VHB-3 (0-2'). No PCBs or pesticides were detected above their respective laboratory MDLs in soil sample VHB-3 (0-2'). Calcium was detected in soil sample VHB-3 (0-2') at a concentration of 14,000 milligrams per kilogram (mg/kg) (a.k.a., parts per million





[ppm]) which is in exceedance of the applicable regulatory standard of 10,000 mg/kg.<sup>2</sup>

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#### 2.2.4 Soil Boring VHB-4

Soil boring VHB-4 was installed within the northern portions of the proposed parking garage footprint, within the ground level of the existing parking garage that will be replaced.

As required, two (2) soil samples were collected from this soil boring location, VHB-4 (0-2') and VHB-4 (11-12'). As indicated on Table 1 in Attachment B, no VOCs, SVOCs or metals were detected at concentrations that exceeded their respective NYSDEC Part 375 UUSCOs in soil sample VHB-4 (0-2') (laboratory analytical data provided in Attachment C). Furthermore, no PCBs or pesticides were detected above their respective laboratory MDLs in soil sample VHB-4 (0-2'). No SVOCs were detected at concentrations that exceed their respective NYSDEC Part 375 UUSCOs in soil sample VHB-4 (11-12') and no SVOCs, PCBs or pesticides were detected above their respective laboratory MDLs in soil sample VHB-4 (11-12'). Calcium was detected in sampled VHB-4 (11-12') at a concentration of 10,100 milligrams per kilogram (mg/kg) (a.k.a., parts per million [ppm]) which slightly exceeds its applicable regulatory standard of 10,000 mg/kg.

▼  
<sup>2</sup> There is no NYSDEC Part 375 UUSCO for calcium. As such, the NYSDEC Commissioner Policy (CP)-51 Soil Cleanup Guidance, October 21, 2010 is used to determine regulatory limits of calcium.



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## 2.3 Groundwater Monitoring Well Installation and Sampling

As part of the subsurface investigation, and in accordance with the NYCDEP-approved Work Plan dated May 5, 2015, VHB and its subcontractor completed two of the aforementioned soil boring locations as permanent groundwater monitoring wells in order to establish baseline groundwater conditions at the project site. Specifically, soil boring VHB-4 was completed as monitoring well MW-1 and soil boring VHB-3 was completed as monitoring well MW-2. VHB also utilized an existing monitoring well (monitoring well B-5A) that was previously installed as part of a geotechnical evaluation (see Figure 2 in Attachment A).

Groundwater sampling was also conducted to investigate any potential impacts to on-site groundwater quality that could be potentially attributed to an active NYSDEC spill incident (NYSDEC Spill No. 07-09582) at the adjacent Mobil gasoline service station on the Grand Central Parkway.

As part of the installation, two-inch diameter with at-grade curb box groundwater monitoring wells were installed utilizing the Geoprobe® on June 29, 2015. Upon completion of the groundwater monitoring wells, all on-site groundwater monitoring wells including the existing monitoring well B-5A were initially purged for 15 minutes utilizing a whale pump for well development. As per USEPA guidance for low-flow groundwater sampling, the wells were then revisited a minimum of one week after installation on July 7, 2015 for groundwater sampling. At each well location, groundwater was purged utilizing a Grundfos submersible pump utilizing factory-new disposable polyethylene tubing. Groundwater was passed through a Horiba U52-2 water quality meter in order to record live readings to stabilize dissolve oxygen (DO), oxygen reduction potential (ORP), turbidity, conductivity, pH and temperature (low flow groundwater sampling logs included in Attachment E of this Phase II ESA). Upon meeting the stabilization criteria for low-flow sampling techniques, groundwater samples were collected into laboratory-supplied glassware, stored in ice-packed coolers and transported to York pending laboratory analysis.

The three (3) soil samples were analyzed for TCL VOCs using USEPA Method 8260, TCL SVOCs using USEPA Method 8270, pesticides using USEPA Method 8081, PCBs using USEPA Method 8082 and TAL Metals (total and dissolved concentrations) using USEPA Methods 6010 and 7471. Sample results were compared to the NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards (NYSDEC TOGS AWQSGVs).



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### 2.3.1 Monitoring Well MW-1

As previously indicated, monitoring well MW-1 was installed proximate to the northern portions of the proposed parking garage within the location of soil boring VHB-4. It should be noted that during the sampling event, groundwater was detected at 5.76-feet bgs. Sample results relating to groundwater are included on Table 2 in Attachment B, with laboratory analytical data included in Attachment C of this Phase II ESA. As indicated in Table 1, two VOCs, chloroform and tetrachloroethene (PCE) were detected at minor concentrations within groundwater collected from monitoring well MW-1. Neither of the VOCs detected in groundwater sample MW-1 exceeded their respective NYSDEC TOGS AWQSGVs. In addition, one semi-volatile organic compounds (SVOC), Naphthalene, and one pesticide, dieldrin, were detected in the MW-1 groundwater sample below their respective NYSDEC TOGS AWQSGVs. Furthermore, no PCBs were detected above laboratory MDLs in groundwater sample MW-1. Several metals were detected in groundwater sample MW-1. However, all metals detected (both total and dissolved concentrations) were below their respective NYSDEC TOGS AWQSGVs.

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### 2.3.2 Monitoring Well MW-2

As previously indicated, monitoring well MW-2 was installed proximate to the south-central portions of the proposed parking garage within the location of soil boring VHB-3. It should be noted that during the sampling event, groundwater was detected at 4.05-feet bgs. As indicated in Table 2 in Attachment B, one VOC, chloroform was detected in groundwater sample MW-2 at a concentration of 0.56 micrograms per liter (ug/L), which is well below the NYSDEC TOGS AWQSGVs of 5 ug/L. No SVOCs, pesticides or PCBs were detected in groundwater sample MW-2 above their respective laboratory MDLs. Several metals were detected in groundwater sample MW-2. However, all metals detected (both total and dissolved concentrations) were below their respective NYSDEC TOGS AWQSGVs.

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### 2.3.3 Monitoring Well B-5A

Monitoring well B-5A was installed proximate to the southeast portions of the footprint of the proposed parking garage during a former geotechnical investigation. It should be noted that during the sampling event, groundwater was detected at five-feet bgs. As indicated in Table 2, one VOC, chloroform, and one SVOC, bis(2-ethylhexyl)phthalate, were detected in sample B-5A at concentrations of 0.95 and 0.725 ug/L, respectively. These concentrations are well below their respective NYSDEC TOGS AWQSGVs. No pesticides or PCBs were detected in sample MW-2



above laboratory MDLs. Multiple metals were detected in MW-1. However, all metals detected (both total and dissolved concentrations) were below their respective NYSDEC TOGS AWQSGVs.

It should be noted that upon initial sampling of B-5A, the SVOC bis(2-ethylhexyl)phthalate was detected at a concentration of nine ug/L in sample B5-A. Based upon consistent concentrations of bis(2-ethylhexyl)phthalate detected in soil samples, VHB consulted with York in order to determine if the presence of this compound could be attributed as a laboratory artifact. VHB was advised by York that the presence of this compound in groundwater and soil samples could be attributed to a laboratory artifact and that the detection of this compound is not uncommon. As such, VHB was advised to re-sample monitoring well B-5A and submit for analysis for TCL SVOCs. Upon re-sampling (laboratory analytical data included in Attachment C), the compound of bis(2-ethylhexyl)phthalate was detected at a minor concentration of 0.725 ug/L, which is well below the NYSDEC TOGS AWQSGV of 5 ug/L.



# 3.0

## Conclusions and Recommendations

### Soil Sampling Results

Based upon the results of the subsurface investigation conducted at the project site, no impacts relating to VOCs, SVOCs, pesticides or PCBs were identified in on-site soils above the most stringent NYSDEC Part 375 Track One UUSCOs. Furthermore, no impacts related to metals were identified in samples VHB-1 or VHB-2.

The metal calcium was detected at a concentration of 14,000 mg/kg in shallow soils in soil boring VHB-3 and a concentration of 10,100 mg/kg in deeper soils in soil boring VHB-4. It should be noted that there is no NYSDEC Part 375 UUSCO or RUSCO for the metal calcium. However, a supplemental cleanup objective for protection of ecological resources was identified in NYSDEC CP-51 at a concentration of 10,000 mg/kg. Thus, the calcium concentrations detected exceed the applicable regulatory standard. Based upon the slight exceedance of calcium at the site, VHB believes that the soils to be removed from the site should be shipped as clean backfill. However, VHB recommends that soils removed from the site be transferred to an alternate facility where the protection of ecological resources is not warranted and that the laboratory data be provided to the receiving facility prior to transport.

### Groundwater Sampling Results

Based upon the results of the groundwater sampling event, no constituents were detected above the NYSDEC TOGS AWSSGV. Given the minimal detections in on-site groundwater, VHB believes that no further action or recommendations with respect to groundwater quality are warranted. Furthermore, as groundwater will likely be encountered as part of the proposed parking garage construction, VHB



recommends following all applicable and standard dewatering procedures and permitting for non-impacted groundwater during construction of the proposed parking facility.

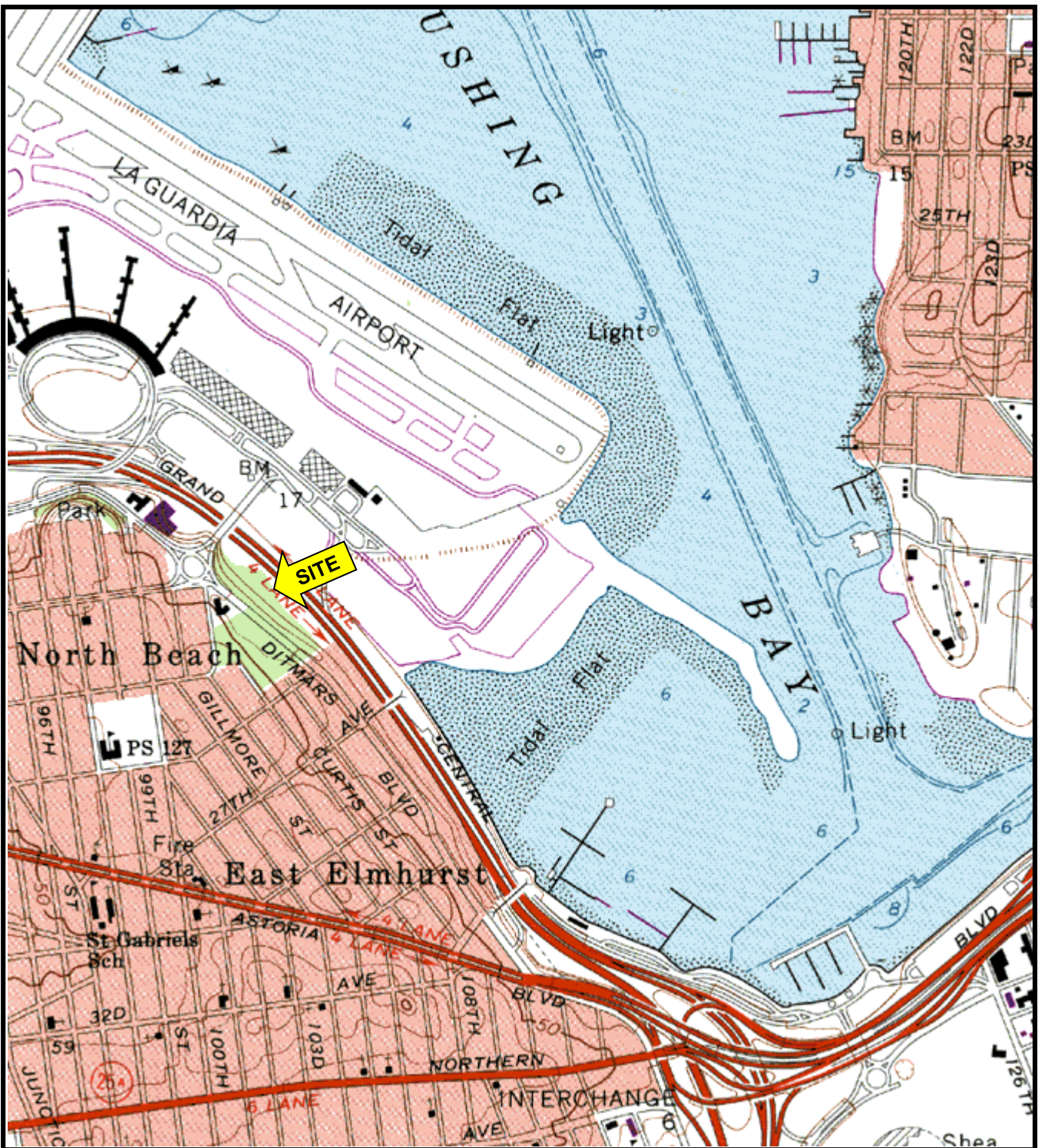
N:\29229.00 Queens Parking Garage\reports\Phase II ESA\Phase II ESA.docx



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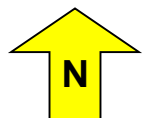
# Attachment A

## Figures

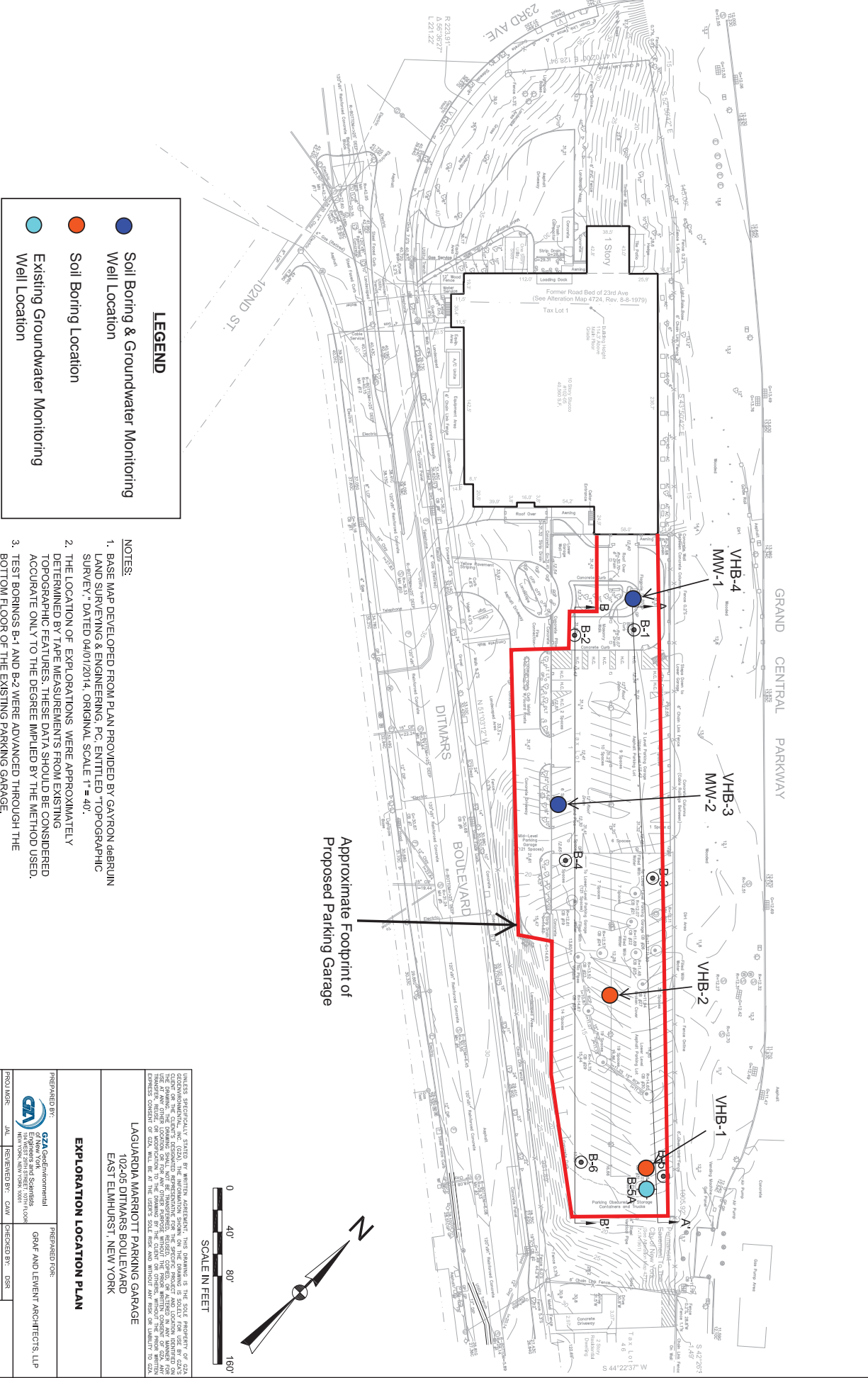


**FIGURE 1 – TOPOGRAPHIC MAP**

**SITE NAME:** LaGuardia Parking at the Marriott  
**STREET ADDRESS:** 102-05 Ditmars Boulevard  
**CITY, STATE, ZIP:** East Elmhurst, New York 11369  
**PROJECT NUMBER:** 29229.00  
**SOURCE:** United States Geological Survey, Flushing Quadrangle







**LEGEND**

- Soil Boring & Groundwater Monitoring Well Location
- Soil Boring Location
- Existing Groundwater Monitoring Well Location

- NOTES:**
1. BASE MAP DEVELOPED FROM PLAN PROVIDED BY GAYRON dBRUN LAND SURVEYING & ENGINEERING, P.C. ENTITLED "TOPOGRAPHIC SURVEY," DATED 04/01/2014. ORIGINAL SCALE 1" = 40'.
  2. THE LOCATION OF EXPLORATIONS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC FEATURES. THESE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
  3. TEST BORINGS B-1 AND B-2 WERE ADVANCED THROUGH THE BOTTOM FLOOR OF THE EXISTING PARKING GARAGE.

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**LAGUARDIA MARRIOTT PARKING GARAGE**  
 102-05 DITMARS BOULEVARD  
 EAST ELMHURST, NEW YORK

**EXPLORATION LOCATION PLAN**

PREPARED BY:	GZA GeoEnvironmental	PREPARED FOR:	GZA AND ELEMENT ARCHITECTS, LLP
PROJECT NO.:	41.0162209.00	DESIGNED BY:	JAL
DATE:	JULY 2014	DRAWN BY:	EM
		CHECKED BY:	DSR
		SCALE:	1" = 80'
		REVISION NO.:	

FIGURE 2 - SOIL BORING AND GROUNDWATER MONITORING WELL LOCATIONS

VHB Engineering, Surveying and Landscape Architecture, P.C.



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# Attachment B Tables

TABLE 1  
SUMMARY OF SOIL ANALYTICAL DATA  
LAGUARDIA PARKING AT THE MARRIOTT  
EAST ELMHURST, NEW YORK

Compounds	Regulatory Criteria		Sample Location							
	NYSDEC Part 375 RUSCO	NYSDEC Part 375 UUSCO	VHB-1 (0-2')	VHB-1 (11-12')	VHB-2 (0-2')	VHB-2 (11-12')	VHB-3 (0-2')	VHB-3 (11-12')	VHB-4 (0-2')	VHB-4 (11-12')
TCL VOCs (ug/kg)										
2-Butanone (Methyl Ethyl Ketone)	100,000	120	ND	ND	ND	ND	ND	ND	2.4 CCV-E, J	ND
Acetone	100,000	50	9.5 CCV-E, SCAL-E	11 CCV-E, SCAL-E	ND	4.6 CCV-E, SCAL-E, J	5.7 CCV-E, SCAL-E, J	ND	14 CCV-E, SCAL-E	ND
TCL SVOCs (ug/kg)										
Bis(2-ethylhexyl)phthalate	NA	435,000*	139	165	184	199	216	234	176	221
Pesticides (ug/kg)										
All analytes	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/kg)										
All analytes	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
TAL Metals (mg/kg)										
Aluminum	NA	10,000*	7,980	7,500	5,720	2,810	5,630	3,180	6,830	7,620
Arsenic	16	13	1.78	2.00	1.36	ND	1.30	ND	1.23	ND
Barium	350	350	46.1	43.9	34.6	17.6	34.3	19.4	39.7	50.7
Calcium	NA	10,000*	6,500	7,080	3,940	799	<b>14,000</b>	2,050	8,290	<b>10,100</b>
Chromium	36	30	16.7	16.7	13.1	7.50	10.9	6.74	14.3	21.3
Cobalt	NA	20*	6.64	7.30	5.17	2.91	4.95	3.06	6.18	6.45
Copper	270	50	14.6	14.2	11.9	5.98	10.7	7.57	13.9	17.2
Iron	NA	NA	17,200	15,400	11,100	6,300	12,200	6,750	14,500	14,600
Lead	400	63	10.2	7.92	10.4	2.00	5.12	2.10	7.20	5.43
Magnesium	NA	NA	3,040	5,440	3,160	1,160	7,390	2,090	5,690	6,070
Manganese	2,000	1,600	282	275	222	168	250	182	252	219
Nickel	140	30	13.6	14.2	10.9	6.64	9.75	6.80	12.5	13.5
Potassium	NA	NA	1,210	1,180	1,100	507	1,020	650	1,250	1,810
Selenium	36	3.9	2.32	1.37	1.11	ND	1.12	ND	1.52	1.45
Sodium	NA	NA	179	161	144	168	171	209	335	331
Vanadium	NA	39*	24.5	22.5	19.1	11.1	17.8	9.73	21.8	26.2
Zinc	2,200	109	26.7	26.4	23.8	9.59	17.8	11.3	25.0	23.0

Notes:

TCL VOCs - Target Compound List for volatile organic compounds.

TCL SVOCs - Target Compound List for semi-volatile organic compounds.

TAL Metals - Target Analyte List for metals.

PCBs - Polychlorinated Biphenyls

NYSDEC Part 375 UUSCO - New York State Department of Environmental Conservation Unrestricted Use Soil Clean-up Objectives, as outlined in Table 375-6.8(a), December 14, 2006

NYSDEC Part 375 RUSCO - New York State Department of Environmental Conservation Restricted Use Soil Clean-up Objectives, as outlined in Table 375-6.8(b), December 14, 2006

ug/kg - micrograms per kilogram (parts per billion).

mg/kg - milligrams per kilogram (parts per million).

B/1/SCAL-E/CCV-E - estimated concentration.

NA - Not analyzed/Not available

ND - Analyte was not detected above method detection limits.

\*Analyte not listed in NYSDEC Part 375 UUSCO. NYSDEC Commissioner Policy (CP)-51 Soil Cleanup Guidance, October 21, 2010 used.

**Bolded** and peach highlighted values indicate that analyte was detected at a concentration that exceeded its respective NYSDEC Part 375 UUSCO

**Bolded** and yellow highlighted values indicate that analyte was detected at a concentration the exceeded its respective NYSDEC Part 375 RUSCO

**TABLE 2  
SUMMARY OF GROUNDWATER ANALYTICAL DATA  
LAGUARDIA PARKING AT THE MARRIOTT  
EAST ELMHURST, NEW YORK**

Compounds	Regulatory Criteria	Sample Locations					
		MW-1		MW-2		B-5A	
<b>TCL VOCs (ug/L)</b>	<b>NYSDEC TOGS AWQSGV</b>						
Chloroform	7	0.26 J		0.56		0.95	
Tetrachloroethene (PCE)	5	0.32 J		ND		ND	
<b>TCL SVOCs (ug/L)</b>	<b>NYSDEC TOGS AWQSGV</b>						
Bis(2-ethylhexyl)phthalate	5	ND		ND		0.725	
Naphthalene	10	0.0600		ND		ND	
<b>Pesticides (ug/kg)</b>	<b>NYSDEC TOGS AWQSGV</b>						
Dieldrin	0.004	0.00212		ND		ND	
<b>PCBs (mg/kg)</b>	<b>NYSDEC TOGS AWQSGV</b>						
All analytes	NA	ND		ND		ND	
<b>TAL Metals (ug/kg)</b>	<b>NYSDEC TOGS AWQSGV</b>	<b>MW-1</b>		<b>MW-2</b>		<b>B-5A</b>	
		<b>Total</b>	<b>Dissolved</b>	<b>Total</b>	<b>Dissolved</b>	<b>Total</b>	<b>Dissolved</b>
Aluminum	100	25.8	0.059	7.75	0.056	0.631	0.055
Arsenic	25	ND	ND	0.005	ND	ND	0.006
Barium	1,000	0.277	0.115	0.344	0.263	0.100	0.101
Calcium	NA	145	142	215	224	76.3	75.2
Chromium	50	0.101	ND	0.037	ND	0.018	ND
Cobalt	5	0.019	ND	0.011	ND	ND	ND
Copper	200	0.046	0.006	0.032	0.008	0.007	0.006
Iron	300	25.3	ND	11.1	ND	0.753	ND
Lead	25	0.017	ND	0.007	ND	ND	ND
Magnesium	35,000	45.0	38.7	40.7	38.9	36.7	35.8
Manganese	300	0.893	0.381	0.695	0.139	0.037	0.008
Nickel	100	0.070	0.005	0.023	0.006	0.014	ND
Potassium	NA	10.4	5.60	9.45	7.15	2.50	2.03
Sodium	20,000	135 B	135	174 B	177	71.7 B	70.3
Vanadium	14	0.046	ND	0.015	ND	ND	ND
Zinc	2,000	0.068	ND	0.037	0.011	0.018	0.012

Notes:

TCL VOCs -Target Compound List for volatile organic compounds.

TCL SVOCs - Target Compound List for semi-volatile organic compounds.

TAL Metals - Target Analyte List for metals.

PCBs - Polychlorinated Biphenyls

NYSDEC TOGS AWQSGV - New York State Department of Environmental Conservation

Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards

ug/kg - micrograms per kilogram (parts per billion).

ug/L - micrograms per liter (parts per billion).

B - estimate concentration.

J - estimated concentration.

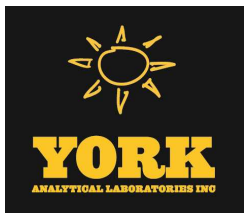
NA - Not analyzed/Not available

ND - Analyte was not detected above method detection limits.



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# Attachment C Laboratory Data Sheets



# Technical Report

prepared for:

**VHB**

100 Motor Parkway, Suite 135  
Hauppauge NY, 11788  
**Attention: Stephen Kaplan**

Report Date: 07/09/2015

**Client Project ID: 29229.00 Marriott Parking Garage**  
York Project (SDG) No.: 15F1151

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

**VHB**  
100 Motor Parkway, Suite 135  
Hauppauge NY, 11788  
Attention: Stephen Kaplan

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 30, 2015 and listed below. The project was identified as your project: **29229.00 Marriott Parking Garage**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15F1151-01	VHB-2 (0-2')	Soil	06/29/2015	06/30/2015
15F1151-02	VHB-2 (11-12')	Soil	06/29/2015	06/30/2015
15F1151-03	VHB-1 (0-2')	Soil	06/29/2015	06/30/2015
15F1151-04	VHB-1 (11-12')	Soil	06/29/2015	06/30/2015
15F1151-05	VHB-4 (0-2')	Soil	06/29/2015	06/30/2015
15F1151-06	VHB-4 (11-12')	Soil	06/29/2015	06/30/2015
15F1151-07	VHB-3 (0-2')	Soil	06/29/2015	06/30/2015
15F1151-08	VHB-3 (11-12')	Soil	06/29/2015	06/30/2015

## **General Notes for York Project (SDG) No.: 15F1151**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 07/09/2015







### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
15F1151	29229.00 Marriott Parking Garage	Soil	June 29, 2015 3:00 pm	06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	34	68	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
67-64-1	Acetone	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
71-43-2	Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS



**Sample Information**

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-09-2	Methylene chloride	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 01:53	BS



### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 01:53	BS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 01:53	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 01:53	BS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125
2037-26-5	Surrogate: Toluene-d8	94.7 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	88.8 %	76-130

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
98-86-2	Acetophenone	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
120-12-7	Anthracene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
1912-24-9	Atrazine	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH



**Sample Information**

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
105-60-2	Caprolactam	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
86-74-8	Carbazole	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
218-01-9	Chrysene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH



### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>184</b>		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
206-44-0	Fluoranthene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
86-73-7	Fluorene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
78-59-1	Isophorone	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
91-20-3	Naphthalene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH



### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
85-01-8	Phenanthrene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
108-95-2	Phenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
129-00-0	Pyrene	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	131	261	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 18:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	65.6	131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 18:00	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	43.2 %	10-95
4165-62-2	Surrogate: Phenol-d5	55.8 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	54.8 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	51.8 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	46.9 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	46.7 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	6.90	6.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:16	07/07/2015 14:27	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.63	8.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:27	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	87.3	87.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:16	07/07/2015 14:27	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	69.9 %			30-140						



### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 00:45	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications:	07/02/2015 12:16	07/07/2015 00:45	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	92.1 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	75.6 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5720		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-38-2	Arsenic	1.36		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-39-3	Barium	34.6		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.314	0.314	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-70-2	Calcium	3940		mg/kg dry	0.523	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-47-3	Chromium	13.1		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-48-4	Cobalt	5.17		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC





### Sample Information

**Client Sample ID:** VHB-2 (0-2')

**York Sample ID:** 15F1151-01

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	11.9		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7439-89-6	Iron	11100		mg/kg dry	2.09	2.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7439-92-1	Lead	10.4		mg/kg dry	0.314	0.314	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7439-95-4	Magnesium	3160		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7439-96-5	Manganese	222		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-02-0	Nickel	10.9		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-09-7	Potassium	1100		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7782-49-2	Selenium	1.11		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-22-4	Silver	ND		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-23-5	Sodium	144		mg/kg dry	10.5	10.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-62-2	Vanadium	19.1		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC
7440-66-6	Zinc	23.8		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:35	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0314	0.0314	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 18:08	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.6		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:56	07/07/2015 15:27	SCA



### Sample Information

**Client Sample ID:** VHB-2 (11-12')

**York Sample ID:** 15F1151-02

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15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	26	53	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
67-64-1	<b>Acetone</b>	<b>4.6</b>		CCV-E SCAL- E, J ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
71-43-2	Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS



### Sample Information

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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-25-2	Bromoform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
67-66-3	Chloroform	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-09-2	Methylene chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 02:23	BS



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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 02:23	BS
100-42-5	Styrene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
108-88-3	Toluene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:23	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.3	2.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:23	BS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	77-125
2037-26-5	Surrogate: Toluene-d8	94.9 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	91.3 %	76-130

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
98-86-2	Acetophenone	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
120-12-7	Anthracene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
1912-24-9	Atrazine	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH



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06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
105-60-2	Caprolactam	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
86-74-8	Carbazole	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
218-01-9	Chrysene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH



### Sample Information

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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>199</b>		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
206-44-0	Fluoranthene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
86-73-7	Fluorene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
78-59-1	Isophorone	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
91-20-3	Naphthalene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH



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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
85-01-8	Phenanthrene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
108-95-2	Phenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
129-00-0	Pyrene	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	146	292	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	73.3	146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:17	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	41.8 %	10-95
4165-62-2	Surrogate: Phenol-d5	48.2 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	50.4 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	48.3 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	55.9 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	50.8 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	7.71	7.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
72-20-8	Endrin	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:16	07/06/2015 20:09	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.93	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.64	9.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/06/2015 20:09	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	97.6	97.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:16	07/06/2015 20:09	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	79.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	98.5 %			30-140						





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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:15	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	0.0195	1	EPA 8082A Certifications:	07/02/2015 12:16	07/07/2015 01:15	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	82.3 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	82.1 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>2810</b>		mg/kg dry	5.84	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-38-2	Arsenic	ND		mg/kg dry	1.17	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-39-3	<b>Barium</b>	<b>17.6</b>		mg/kg dry	1.17	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.351	0.351	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-70-2	<b>Calcium</b>	<b>799</b>		mg/kg dry	0.584	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-47-3	<b>Chromium</b>	<b>7.50</b>		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-48-4	<b>Cobalt</b>	<b>2.91</b>		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC



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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	5.98		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7439-89-6	Iron	6300		mg/kg dry	2.34	2.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7439-92-1	Lead	2.00		mg/kg dry	0.351	0.351	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7439-95-4	Magnesium	1160		mg/kg dry	5.84	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7439-96-5	Manganese	168		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-02-0	Nickel	6.64		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-09-7	Potassium	507		mg/kg dry	5.84	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7782-49-2	Selenium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-22-4	Silver	ND		mg/kg dry	0.584	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-23-5	Sodium	168		mg/kg dry	11.7	11.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-62-2	Vanadium	11.1		mg/kg dry	1.17	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC
7440-66-6	Zinc	9.59		mg/kg dry	1.17	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:40	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0351	0.0351	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 18:35	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.6		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:56	07/07/2015 15:27	SCA



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	34	68	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
67-64-1	<b>Acetone</b>	<b>9.5</b>		CCV-E , SCAL- E ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
71-43-2	Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-09-2	Methylene chloride	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 02:53	BS



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 02:53	BS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 02:53	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 02:53	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	77-125
2037-26-5	Surrogate: Toluene-d8	96.0 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	89.7 %	76-130

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
98-86-2	Acetophenone	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
120-12-7	Anthracene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
1912-24-9	Atrazine	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
105-60-2	Caprolactam	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
86-74-8	Carbazole	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
218-01-9	Chrysene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>139</b>		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
206-44-0	Fluoranthene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
86-73-7	Fluorene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
78-59-1	Isophorone	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
91-20-3	Naphthalene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
85-01-8	Phenanthrene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
108-95-2	Phenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
129-00-0	Pyrene	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	138	276	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 14:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	69.1	138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 14:49	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	37.8 %	10-95
4165-62-2	Surrogate: Phenol-d5	45.8 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	50.4 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	47.0 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	43.0 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	39.5 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	7.28	7.28	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
72-20-8	Endrin	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:16	07/07/2015 14:42	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.10	9.10	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 14:42	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	92.1	92.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:16	07/07/2015 14:42	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	74.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	62.0 %			30-140						



### Sample Information

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/02/2015 12:16	07/07/2015 01:44	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications:	07/02/2015 12:16	07/07/2015 01:44	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	91.1 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	83.6 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7980		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-38-2	Arsenic	1.78		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-39-3	Barium	46.1		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.331	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-70-2	Calcium	6500		mg/kg dry	0.551	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-47-3	Chromium	16.7		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-48-4	Cobalt	6.64		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC



**Sample Information**

**Client Sample ID:** VHB-1 (0-2')

**York Sample ID:** 15F1151-03

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	14.6		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7439-89-6	Iron	17200		mg/kg dry	2.21	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7439-92-1	Lead	10.2		mg/kg dry	0.331	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7439-95-4	Magnesium	3040		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7439-96-5	Manganese	282		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-02-0	Nickel	13.6		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-09-7	Potassium	1210		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7782-49-2	Selenium	2.32		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-23-5	Sodium	179		mg/kg dry	11.0	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-62-2	Vanadium	24.5		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC
7440-66-6	Zinc	26.7		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:45	AMC

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0331	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 18:44	AAkba

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.7		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:56	07/07/2015 15:27	SCA



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	34	68	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
67-64-1	<b>Acetone</b>	<b>11</b>		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
				SCAL-E							
71-43-2	Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-09-2	Methylene chloride	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 03:23	BS



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 03:23	BS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:23	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:23	BS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125
2037-26-5	Surrogate: Toluene-d8	96.5 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	87.0 %	76-130

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
98-86-2	Acetophenone	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
120-12-7	Anthracene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
1912-24-9	Atrazine	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
105-60-2	Caprolactam	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
86-74-8	Carbazole	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
218-01-9	Chrysene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>165</b>		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
206-44-0	Fluoranthene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
86-73-7	Fluorene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
78-59-1	Isophorone	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
91-20-3	Naphthalene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH





### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

York Project (SDG) No.

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Matrix

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15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
85-01-8	Phenanthrene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
108-95-2	Phenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
129-00-0	Pyrene	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	133	266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	66.8	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:21	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	33.9 %	10-95
4165-62-2	Surrogate: Phenol-d5	38.2 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	42.5 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	38.5 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	39.1 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	41.6 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

York Project (SDG) No.

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15F1151

29229.00 Marriott Parking Garage

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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	7.03	7.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:12	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.78	8.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:12	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	88.9	88.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:12	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.6 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	93.8 %			30-140						



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

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**Date Received**

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:33	RB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications:	07/06/2015 14:11	07/08/2015 15:33	RB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	72.9 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	137 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7500		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-38-2	Arsenic	2.00		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-39-3	Barium	43.9		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-70-2	Calcium	7080		mg/kg dry	0.532	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-47-3	Chromium	16.7		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-48-4	Cobalt	7.30		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC



### Sample Information

**Client Sample ID:** VHB-1 (11-12')

**York Sample ID:** 15F1151-04

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	14.2		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7439-89-6	Iron	15400		mg/kg dry	2.13	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7439-92-1	Lead	7.92		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7439-95-4	Magnesium	5440		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7439-96-5	Manganese	275		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-02-0	Nickel	14.2		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-09-7	Potassium	1180		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7782-49-2	Selenium	1.37		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-22-4	Silver	ND		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-23-5	Sodium	161		mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-62-2	Vanadium	22.5		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC
7440-66-6	Zinc	26.4		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:49	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0319	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 18:53	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:56	07/07/2015 15:27	SCA



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	87	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
78-93-3	<b>2-Butanone</b>	<b>2.4</b>	CCV-E , J	ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
67-64-1	<b>Acetone</b>	<b>14</b>	CCV-E , SCAL- E	ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 03:53	BS



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

York Project (SDG) No.

Client Project ID

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15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 03:53	BS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 03:53	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 03:53	BS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.8 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	89.2 %	76-130								

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
98-86-2	Acetophenone	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
120-12-7	Anthracene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
1912-24-9	Atrazine	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

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15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
105-60-2	Caprolactam	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
86-74-8	Carbazole	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
218-01-9	Chrysene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH





### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>176</b>		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
206-44-0	Fluoranthene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
86-73-7	Fluorene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
78-59-1	Isophorone	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
91-20-3	Naphthalene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
85-01-8	Phenanthrene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
108-95-2	Phenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
129-00-0	Pyrene	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	133	265	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 15:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	66.4	133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 15:53	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	33.5 %	10-95
4165-62-2	Surrogate: Phenol-d5	38.4 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	45.4 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	40.9 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	33.5 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	40.8 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	6.99	6.99	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
72-20-8	Endrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:27	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.74	8.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:27	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	88.5	88.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:27	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	90.1 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	115 %			30-140						



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 15:51	RB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications:	07/06/2015 14:11	07/08/2015 15:51	RB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	75.4 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	139 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6830		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-38-2	Arsenic	1.23		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-39-3	Barium	39.7		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.318	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-70-2	Calcium	8290		mg/kg dry	0.530	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-47-3	Chromium	14.3		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-48-4	Cobalt	6.18		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC



### Sample Information

**Client Sample ID:** VHB-4 (0-2')

**York Sample ID:** 15F1151-05

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	13.9		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7439-89-6	Iron	14500		mg/kg dry	2.12	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7439-92-1	Lead	7.20		mg/kg dry	0.318	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7439-95-4	Magnesium	5690		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7439-96-5	Manganese	252		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-02-0	Nickel	12.5		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-09-7	Potassium	1250		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7782-49-2	Selenium	1.52		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-23-5	Sodium	335		mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-62-2	Vanadium	21.8		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC
7440-66-6	Zinc	25.0		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:54	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0318	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 19:03	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:56	07/07/2015 15:27	SCA



### Sample Information

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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	29	59	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
67-64-1	Acetone	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
71-43-2	Benzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS

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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-25-2	Bromoform	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
67-66-3	Chloroform	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-09-2	Methylene chloride	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 04:23	BS



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Soil

June 29, 2015 3:00 pm

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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 04:23	BS
100-42-5	Styrene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
108-88-3	Toluene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:23	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	2.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:23	BS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	77-125
2037-26-5	Surrogate: Toluene-d8	97.5 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	86.2 %	76-130

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
98-86-2	Acetophenone	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
120-12-7	Anthracene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
1912-24-9	Atrazine	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH





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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
105-60-2	Caprolactam	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
86-74-8	Carbazole	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
218-01-9	Chrysene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH



### Sample Information

**Client Sample ID:** VHB-4 (11-12')

**York Sample ID:** 15F1151-06

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>221</b>		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
206-44-0	Fluoranthene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
86-73-7	Fluorene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
78-59-1	Isophorone	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
91-20-3	Naphthalene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH



### Sample Information

**Client Sample ID:** VHB-4 (11-12')

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15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
85-01-8	Phenanthrene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
108-95-2	Phenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
129-00-0	Pyrene	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	141	282	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:25	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	70.7	141	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:25	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	32.3 %	10-95
4165-62-2	Surrogate: Phenol-d5	39.5 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	38.9 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	40.6 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	48.2 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	50.7 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

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**York Sample ID:** 15F1151-06

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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	7.44	7.44	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:42	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.30	9.30	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:42	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	94.1	94.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:42	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	91.6 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	116 %			30-140						



### Sample Information

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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:09	RB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	07/06/2015 14:11	07/08/2015 16:09	RB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	76.8 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	139 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>7620</b>		mg/kg dry	5.64	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-38-2	Arsenic	ND		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-39-3	<b>Barium</b>	<b>50.7</b>		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.338	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-70-2	<b>Calcium</b>	<b>10100</b>		mg/kg dry	0.564	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-47-3	<b>Chromium</b>	<b>21.3</b>		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-48-4	<b>Cobalt</b>	<b>6.45</b>		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC



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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	17.2		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7439-89-6	Iron	14600		mg/kg dry	2.25	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7439-92-1	Lead	5.43		mg/kg dry	0.338	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7439-95-4	Magnesium	6070		mg/kg dry	5.64	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7439-96-5	Manganese	219		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-02-0	Nickel	13.5		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-09-7	Potassium	1810		mg/kg dry	5.64	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7782-49-2	Selenium	1.45		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-22-4	Silver	ND		mg/kg dry	0.564	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-23-5	Sodium	331		mg/kg dry	11.3	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-62-2	Vanadium	26.2		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC
7440-66-6	Zinc	23.0		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 20:59	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0338	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 19:12	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:54	07/07/2015 15:23	SCA



### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	34	69	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
67-64-1	<b>Acetone</b>	<b>5.7</b>	CCV-E	ug/kg dry	3.4	6.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
71-43-2	Benzene	ND	SCAL-E, J	ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS



### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-09-2	Methylene chloride	ND		ug/kg dry	3.4	6.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 04:53	BS





### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.4	6.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 04:53	BS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 04:53	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 04:53	BS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	77-125
2037-26-5	Surrogate: Toluene-d8	94.1 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	86.1 %	76-130

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
98-86-2	Acetophenone	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
120-12-7	Anthracene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
1912-24-9	Atrazine	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH



### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
105-60-2	Caprolactam	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
86-74-8	Carbazole	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
218-01-9	Chrysene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH



### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>216</b>		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
206-44-0	Fluoranthene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
86-73-7	Fluorene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
78-59-1	Isophorone	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
91-20-3	Naphthalene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH



### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

York Project (SDG) No.

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Matrix

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15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
85-01-8	Phenanthrene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
108-95-2	Phenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
129-00-0	Pyrene	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	132	265	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 16:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	66.4	132	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 16:57	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	31.5 %	10-95
4165-62-2	Surrogate: Phenol-d5	37.8 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	43.0 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	41.5 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	42.8 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	46.0 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** VHB-3 (0-2')

**York Sample ID:** 15F1151-07

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	6.99	6.99	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
72-20-8	Endrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:57	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.74	8.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 15:57	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	88.4	88.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 15:57	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	92.9 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	118 %			30-140						



### Sample Information

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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/06/2015 14:11	07/08/2015 16:27	RB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications:	07/06/2015 14:11	07/08/2015 16:27	RB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	81.3 %			30-140
2051-24-3	Surrogate: Decachlorobiphenyl	147 %	S-08		30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5630		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-38-2	Arsenic	1.30		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-39-3	Barium	34.3		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-43-9	Cadmium	ND		mg/kg dry	0.318	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-70-2	Calcium	14000		mg/kg dry	0.530	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-47-3	Chromium	10.9		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-48-4	Cobalt	4.95		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC



**Sample Information**

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Soil

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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	10.7		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7439-89-6	Iron	12200		mg/kg dry	2.12	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7439-92-1	Lead	5.12		mg/kg dry	0.318	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7439-95-4	Magnesium	7390		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7439-96-5	Manganese	250		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-02-0	Nickel	9.75		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-09-7	Potassium	1020		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7782-49-2	Selenium	1.12		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-23-5	Sodium	171		mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-62-2	Vanadium	17.8		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC
7440-66-6	Zinc	17.8		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:17	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0318	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 19:21	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:54	07/07/2015 15:23	SCA



### Sample Information

**Client Sample ID:** VHB-3 (11-12')

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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	24	48	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
78-93-3	2-Butanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
591-78-6	2-Hexanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
67-64-1	Acetone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
71-43-2	Benzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS





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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-25-2	Bromoform	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
74-83-9	Bromomethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
67-66-3	Chloroform	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
74-87-3	Chloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
110-82-7	Cyclohexane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
79-20-9	Methyl acetate	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-09-2	Methylene chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 05:23	BS



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29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Volatile Organics, 8260 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	07/06/2015 16:51	07/07/2015 05:23	BS
100-42-5	Styrene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
108-88-3	Toluene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 16:51	07/07/2015 05:23	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 16:51	07/07/2015 05:23	BS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	84.0 %			76-130						

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
98-86-2	Acetophenone	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
120-12-7	Anthracene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
1912-24-9	Atrazine	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH



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06/30/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
105-60-2	Caprolactam	ND		ug/kg dry	144	288	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
86-74-8	Carbazole	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
218-01-9	Chrysene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH



Sample Information

Client Sample ID: VHB-3 (11-12')

York Sample ID: 15F1151-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2,4-Dichlorophenol, Diethyl phthalate, etc.



**Sample Information**

**Client Sample ID:** VHB-3 (11-12')

**York Sample ID:** 15F1151-08

<u>York Project (SDG) No.</u> 15F1151	<u>Client Project ID</u> 29229.00 Marriott Parking Garage	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 29, 2015 3:00 pm	<u>Date Received</u> 06/30/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/kg dry	144	288	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	144	288	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	144	288	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	144	288	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
85-01-8	Phenanthrene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
108-95-2	Phenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
129-00-0	Pyrene	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	144	288	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2015 12:30	07/03/2015 17:28	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	72.1	144	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/02/2015 12:30	07/03/2015 17:28	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	39.7 %	10-95
4165-62-2	Surrogate: Phenol-d5	46.6 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	50.7 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	49.8 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	50.4 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	50.6 %	19-99

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** VHB-3 (11-12')

**York Sample ID:** 15F1151-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

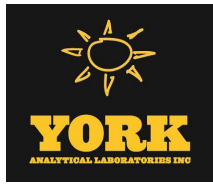
**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	7.59	7.59	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 16:12	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.49	9.49	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2015 14:11	07/07/2015 16:12	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	96.1	96.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/06/2015 14:11	07/07/2015 16:12	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	108 %			30-140						



Sample Information

Client Sample ID: VHB-3 (11-12')

York Sample ID: 15F1151-08

York Project (SDG) No. 15F1151

Client Project ID 29229.00 Marriott Parking Garage

Matrix Soil

Collection Date/Time June 29, 2015 3:00 pm

Date Received 06/30/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, and \* Total PCBs.

Surrogate Recoveries

Result

Acceptance Range

Table with 4 columns: CAS No., Surrogate, Result, Acceptance Range. Rows include Tetrachloro-m-xylene (77.3%) and Decachlorobiphenyl (145%).

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Aluminum (3180), Antimony, Arsenic, Barium (19.4), Beryllium, Cadmium, Calcium (2050), Chromium (6.74), and Cobalt (3.06).



### Sample Information

**Client Sample ID:** VHB-3 (11-12')

**York Sample ID:** 15F1151-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F1151

29229.00 Marriott Parking Garage

Soil

June 29, 2015 3:00 pm

06/30/2015

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	7.57		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7439-89-6	Iron	6750		mg/kg dry	2.30	2.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7439-92-1	Lead	2.10		mg/kg dry	0.345	0.345	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7439-95-4	Magnesium	2090		mg/kg dry	5.75	5.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7439-96-5	Manganese	182		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-02-0	Nickel	6.80		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-09-7	Potassium	650		mg/kg dry	5.75	5.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-22-4	Silver	ND		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-23-5	Sodium	209		mg/kg dry	11.5	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-62-2	Vanadium	9.73		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC
7440-66-6	Zinc	11.3		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:08	07/07/2015 21:21	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0345	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2015 15:37	07/06/2015 19:30	AAkba

**Total Solids**

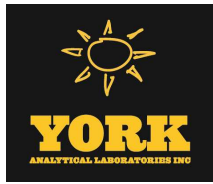
**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

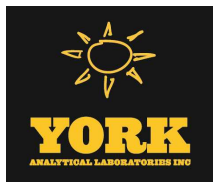
CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	07/07/2015 11:54	07/07/2015 15:23	SCA





### Volatile Analysis Sample Containers

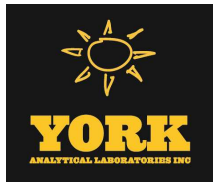
Lab ID	Client Sample ID	Volatile Sample Container
15F1151-01	VHB-2 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F1151-02	VHB-2 (11-12')	40mL Vial with Stir Bar-Cool 4° C
15F1151-03	VHB-1 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F1151-04	VHB-1 (11-12')	40mL Vial with Stir Bar-Cool 4° C
15F1151-05	VHB-4 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F1151-06	VHB-4 (11-12')	40mL Vial with Stir Bar-Cool 4° C
15F1151-07	VHB-3 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F1151-08	VHB-3 (11-12')	40mL Vial with Stir Bar-Cool 4° C



## Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

# Field Chain-of-Custody Record

**NOTE:** York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15F1151

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type</b>	
Company: <u>VHB</u>		Company: <u>Scime</u>		Company: <u>Scime</u>		<u>29229-00</u>		RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/>		Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NJDEP Red. Deliv. _____	
Address: <u>100 Motor Parkway</u> <u>Hauppauge, NY 11788</u>		Address: _____		Address: _____		<u>Mumott Parking Garage</u>		<input checked="" type="checkbox"/> <b>Standard(5-7 Days)</b>		<input type="checkbox"/> <b>Electronic Data Deliverables (EDD)</b> Simple Excel _____ NYSDEC EQuIS _____ EQuIS (std) _____ EZ-EDD (EQuIS) _____ NJDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____	
Phone No. <u>631-787-3400</u>		Phone No. _____		Phone No. _____		Purchase Order No. _____		Samples from: CT ___ NY <input checked="" type="checkbox"/> NJ ___		York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in): _____	
Contact Person: <u>Hugh O'Riordan</u>		Attention: <u>Stephen Gordon</u>		Attention: <u>Barbara Alberts</u>		_____		_____		_____	
E-Mail Address: <u>horidene@vhb.com</u>		E-Mail Address: <u>skgordon@vhb.com</u>		E-Mail Address: <u>balberts@vhb.com</u>		_____		_____		_____	

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

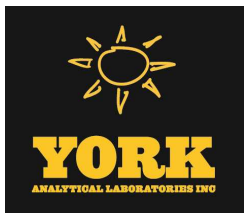
Hugh O'Riordan  
Samples Collected/Authorized By (Signature)  
Hugh O'Riordan  
Name (printed)

- Matrix Codes**
- S - soil
  - Other - specify (oil, etc.)
  - WW - wastewater
  - GW - groundwater
  - DW - drinking water
  - Air-A - ambient air
  - Air-SV - soil vapor

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability
BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No. Dioxin/Furans	BTU/lb.
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog. only NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App. IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list	SPLP or TCLP	608 PCB	Helium	TAGM		Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
VHB-2 (0-2')	6/29/15	S	TCL, VOCs, SVOCs, TAL, Metals, Pesticides via 8081, PCBs via 8082 (for all 8 samples)	2 DL, 1 Methanol, (1) 8oz Jar
VHB-2 (11-12')				
VHB-1 (0-2')				
VHB-1 (11-12')				
VHB-4 (0-2')				
VHB-4 (11-12')				
VHB-3 (0-2')				
VHB-3 (11-12')				

Page 79 of 79	Comments	Preservation Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C ___ Frozen ___ HCl ___ MeOH ___ HNO <sub>3</sub> ___ H <sub>2</sub> SO <sub>4</sub> ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___	1135 Samples Relinquished By <u>Hugh O'Riordan</u> 6-30-15 1135 Date/Time Samples Relinquished By <u>K. Bader</u> 6-30-15 Date/Time	1135 Samples Received By <u>K. Bader</u> 6-30-15 AM Date/Time Samples Received in LAB by <u>TC Juhl</u> 6/30/15 1715 Date/Time	Temperature on Receipt <u>4.1 °C</u>
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# Technical Report

prepared for:

**VHB**

100 Motor Parkway, Suite 135

Hauppauge NY, 11788

**Attention: Bryan Murty**

Report Date: 07/15/2015

**Client Project ID: 29229.00**

York Project (SDG) No.: 15G0267

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 07/15/2015  
Client Project ID: 29229.00  
York Project (SDG) No.: 15G0267

**VHB**  
100 Motor Parkway, Suite 135  
Hauppauge NY, 11788  
Attention: Bryan Murty

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 08, 2015 and listed below. The project was identified as your project: **29229.00**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15G0267-01	MW-1	Water	07/07/2015	07/08/2015
15G0267-02	MW-2	Water	07/07/2015	07/08/2015
15G0267-03	B-5A	Water	07/07/2015	07/08/2015

## General Notes for York Project (SDG) No.: 15G0267

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 07/15/2015





### Sample Information

**Client Sample ID:** MW-1 **York Sample ID:** 15G0267-01  
**York Project (SDG) No.:** 15G0267 **Client Project ID:** 29229.00  
**Matrix:** Water **Collection Date/Time:** July 7, 2015 3:00 pm  
**Date Received:** 07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
67-66-3	<b>Chloroform</b>	<b>0.26</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2015 08:52	07/14/2015 14:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2015 08:52	07/14/2015 14:03	SS





### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
127-18-4	Tetrachloroethylene	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/14/2015 08:52	07/14/2015 14:03	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.5 %	69-130								
2037-26-5	Surrogate: Toluene-d8	107 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	92.9 %	79-122								

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
92-52-4	1,1'-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
91-20-3	<b>Naphthalene</b>	<b>0.0600</b>		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:16	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 16:54	ZZZ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: 2-Fluorophenol	19.3 %	10-65								
4165-62-2	Surrogate: Phenol-d5	10.5 %	10-49								
4165-60-0	Surrogate: Nitrobenzene-d5	49.5 %	10-96								
321-60-8	Surrogate: 2-Fluorobiphenyl	48.5 %	10-93								
118-79-6	Surrogate: 2,4,6-Tribromophenol	37.4 %	10-128								
1718-51-0	Surrogate: Terphenyl-d14	53.3 %	10-100								

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC



### Sample Information

<b>Client Sample ID:</b> MW-1				<b>York Sample ID:</b> 15G0267-01
<b>York Project (SDG) No.</b> 15G0267	<b>Client Project ID</b> 29229.00	<b>Matrix</b> Water	<b>Collection Date/Time</b> July 7, 2015 3:00 pm	<b>Date Received</b> 07/08/2015

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
319-85-7	beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0410	0.0410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
319-86-8	delta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
60-57-1	<b>Dieldrin</b>	<b>0.00212</b>		ug/L	0.00205	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0103	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC
8001-35-2	Toxaphene	ND		ug/L	0.103	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:08	AMC

Surrogate Recoveries	Result	Acceptance Range
877-09-8 Surrogate: Tetrachloro-m-xylene	38.2 %	30-120
2051-24-3 Surrogate: Decachlorobiphenyl	35.6 %	30-120

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

<u>York Project (SDG) No.</u> 15G0267	<u>Client Project ID</u> 29229.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 7, 2015 3:00 pm	<u>Date Received</u> 07/08/2015
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Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:08	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications:	07/14/2015 08:16	07/14/2015 17:08	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	49.3 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	44.3 %	30-120

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>25.8</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-39-3	<b>Barium</b>	<b>0.277</b>		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-70-2	<b>Calcium</b>	<b>145</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-47-3	<b>Chromium</b>	<b>0.101</b>		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-48-4	<b>Cobalt</b>	<b>0.019</b>		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-50-8	<b>Copper</b>	<b>0.046</b>		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	25.3		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7439-92-1	Lead	0.017		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7439-95-4	Magnesium	45.0		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7439-96-5	Manganese	0.893		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-02-0	Nickel	0.070		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-09-7	Potassium	10.4		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-23-5	Sodium	135	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-62-2	Vanadium	0.046		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC
7440-66-6	Zinc	0.068		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 22:57	AMC

**Metals, Target Analyte, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.059		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-39-3	Barium	0.115		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-70-2	Calcium	142		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC



### Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 15G0267-01

York Project (SDG) No.

Client Project ID

Matrix

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15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Metals, Target Analyte, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.006		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7439-95-4	Magnesium	38.7		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7439-96-5	Manganese	0.381		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-02-0	Nickel	0.005		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-09-7	Potassium	5.60		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-23-5	Sodium	135		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:28	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2015 08:17	07/15/2015 16:05	ALD

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2015 08:17	07/15/2015 16:05	ALD





### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS



### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
67-66-3	<b>Chloroform</b>	<b>0.56</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/13/2015 16:30	07/13/2015 23:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/13/2015 16:30	07/13/2015 23:19	SS



### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/13/2015 16:30	07/13/2015 23:19	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.5 %			69-130						
2037-26-5	Surrogate: Toluene-d8	102 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	92.3 %			79-122						

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
1912-24-9	Atrazine	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH



### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

York Project (SDG) No.

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Matrix

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15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
92-52-4	1,1'-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ



### Sample Information

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Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
86-73-7	Fluorene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ



### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

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15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
129-00-0	Pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 14:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 17:29	ZZZ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	20.4 %	10-65
4165-62-2	Surrogate: Phenol-d5	11.1 %	10-49
4165-60-0	Surrogate: Nitrobenzene-d5	48.6 %	10-96
321-60-8	Surrogate: 2-Fluorobiphenyl	48.9 %	10-93
118-79-6	Surrogate: 2,4,6-Tribromophenol	38.6 %	10-128
1718-51-0	Surrogate: Terphenyl-d14	53.9 %	10-100

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC



### Sample Information

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Water

July 7, 2015 3:00 pm

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**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0432	0.0432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
60-57-1	Dieldrin	ND		ug/L	0.00216	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/14/2015 18:23	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8 Surrogate: Tetrachloro-m-xylene

37.7 %

30-120

2051-24-3 Surrogate: Decachlorobiphenyl

39.0 %

30-120

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

<u>York Project (SDG) No.</u> 15G0267	<u>Client Project ID</u> 29229.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 7, 2015 3:00 pm	<u>Date Received</u> 07/08/2015
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Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:27	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications:	07/14/2015 08:16	07/14/2015 17:27	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	48.8 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	50.7 %	30-120

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7.75		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-38-2	Arsenic	0.005		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-39-3	Barium	0.344		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-70-2	Calcium	215		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-47-3	Chromium	0.037		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-48-4	Cobalt	0.011		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-50-8	Copper	0.032		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC





### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	11.1		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7439-92-1	Lead	0.007		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7439-95-4	Magnesium	40.7		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7439-96-5	Manganese	0.695		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-02-0	Nickel	0.023		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-09-7	Potassium	9.45		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-23-5	Sodium	174	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-62-2	Vanadium	0.015		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC
7440-66-6	Zinc	0.037		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:02	AMC

**Metals, Target Analyte, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.056		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-39-3	Barium	0.263		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-70-2	Calcium	224		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC



### Sample Information

**Client Sample ID:** MW-2

**York Sample ID:** 15G0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Metals, Target Analyte, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.008		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7439-95-4	Magnesium	38.9		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7439-96-5	Manganese	0.139		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-02-0	Nickel	0.006		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-09-7	Potassium	7.15		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-23-5	Sodium	177		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC
7440-66-6	Zinc	0.011		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 18:46	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2015 08:17	07/15/2015 16:05	ALD

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2015 08:17	07/15/2015 16:05	ALD



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
67-66-3	<b>Chloroform</b>	<b>0.95</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/13/2015 16:30	07/13/2015 23:49	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/13/2015 16:30	07/13/2015 23:49	SS



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

York Project (SDG) No.

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29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Volatile Organics, 8260 - TCL/SOM (low level)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/13/2015 16:30	07/13/2015 23:49	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %			69-130						
2037-26-5	Surrogate: Toluene-d8	103 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	92.4 %			79-122						

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
1912-24-9	Atrazine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH



### Sample Information

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29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
92-52-4	1,1'-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

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15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>9.55</b>		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ



### Sample Information

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29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
87-86-5	Pentachlorophenol	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 15:48	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/13/2015 07:58	07/13/2015 18:03	ZZZ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	23.6 %	10-65
4165-62-2	Surrogate: Phenol-d5	13.4 %	10-49
4165-60-0	Surrogate: Nitrobenzene-d5	54.3 %	10-96
321-60-8	Surrogate: 2-Fluorobiphenyl	54.8 %	10-93
118-79-6	Surrogate: 2,4,6-Tribromophenol	43.7 %	10-128
1718-51-0	Surrogate: Terphenyl-d14	67.2 %	10-100

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC





### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Pesticides, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
309-00-2	Aldrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
319-85-7	beta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0444	0.0444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
319-86-8	delta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
60-57-1	Dieldrin	ND		ug/L	0.00222	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
72-20-8	Endrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
76-44-8	Heptachlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
8001-35-2	Toxaphene	ND		ug/L	0.111	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2015 08:16	07/15/2015 09:53	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
877-09-8	Surrogate: Tetrachloro-m-xylene	49.1 %						30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	45.7 %						30-120			

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

<u>York Project (SDG) No.</u> 15G0267	<u>Client Project ID</u> 29229.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 7, 2015 3:00 pm	<u>Date Received</u> 07/08/2015
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Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/14/2015 08:16	07/14/2015 17:46	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	07/14/2015 08:16	07/14/2015 17:46	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	59.6 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	59.2 %	30-120

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>0.631</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-39-3	<b>Barium</b>	<b>0.100</b>		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-70-2	<b>Calcium</b>	<b>76.3</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-47-3	<b>Chromium</b>	<b>0.018</b>		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-50-8	<b>Copper</b>	<b>0.007</b>		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
7439-89-6	<b>Iron</b>	<b>0.753</b>		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7439-95-4	<b>Magnesium</b>	<b>36.7</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7439-96-5	<b>Manganese</b>	<b>0.037</b>		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-02-0	<b>Nickel</b>	<b>0.014</b>		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-09-7	<b>Potassium</b>	<b>2.50</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-23-5	<b>Sodium</b>	<b>71.7</b>	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC
7440-66-6	<b>Zinc</b>	<b>0.018</b>		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:58	07/10/2015 23:07	AMC

**Metals, Target Analyte, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
7429-90-5	<b>Aluminum</b>	<b>0.055</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-38-2	<b>Arsenic</b>	<b>0.006</b>		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-39-3	<b>Barium</b>	<b>0.101</b>		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-70-2	<b>Calcium</b>	<b>75.2</b>		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0267

29229.00

Water

July 7, 2015 3:00 pm

07/08/2015

**Metals, Target Analyte, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-50-8	Copper	0.006		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7439-95-4	Magnesium	35.8		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7439-96-5	Manganese	0.008		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-09-7	Potassium	2.03		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-23-5	Sodium	70.3		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC
7440-66-6	Zinc	0.012		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/10/2015 14:48	07/10/2015 19:04	AMC

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2015 08:17	07/15/2015 16:05	ALD

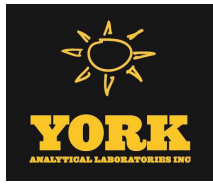
**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2015 08:17	07/15/2015 16:05	ALD



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15G0267-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15G0267-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15G0267-03	B-5A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

QLM-01	This LCS analyte is slightly above the Laboratory Recovery Upper limit. This analyte is commonly biased high due to its ubiquitous nature.
QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
M-BCCB	Analyte in CCB > MDL. Sample conc. >10 X blank conc.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

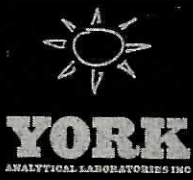
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

# Field Chain-of-Custody Record

**NOTE:** York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 1560267

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type</b>	
Company: <u>VHB</u>		Company: <u>Same</u>		Company: <u>Same</u>		<u>29229.00</u>		RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/>		Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NJDEP Red. Deliv. _____	
Address: <u>200 Motor Parkway St 135</u> <u>Hempstead, NY 11788</u>		Address: <u>Same</u>		Address: <u>Same</u>		<b>Purchase Order No.</b>		<input checked="" type="checkbox"/> <b>Standard(5-7 Days)</b> Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		<input type="checkbox"/> <b>Electronic Data Deliverables (EDD)</b> Simple Excel _____ NYSDEC EQuIS _____ EQuIS (std) _____ EZ-EDD (EQuIS) _____ NJDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ <b>York Regulatory Comparison</b> <b>Excel Spreadsheet</b> Compare to the following Regs. (please fill in): <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
Phone No. <u>(631) 757-3400</u>		Phone No. _____		Phone No. _____							
Contact Person: <u>Bryan Murky</u>		Attention: <u>Bryan Murky</u>		Attention: <u>Barbara Alberts</u>							
E-Mail Address: <u>bmurky@vhb.com</u>		E-Mail Address: _____		E-Mail Address: <u>balberts@vhb.com</u>							

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

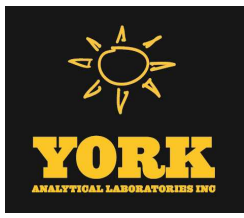
Heather Waldmann  
Samples Collected/Authorized By (Signature)  
Heather Waldmann  
Name (printed)

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability
BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list TCLP list	CT RCP list	SPL or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxin/Furans	BTU/lb.
Arom. only 502.2	NJDEP list	TCLP Herb	SPL or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog. only NJDEP list	App. IX	Chlordane	<b>Indiv. Metals</b>	Air TICs	NYCDEP Sewer	TOC
App. IX list SPL or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	Asbestos
8021B list SPL or TCLP	SPL or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1	7/7/15	GW	TCL VOCs, TCL SVOCs, TAL Metals (Total and dissolved), pesticides via 8081, PCBs via 8082	31 L Amber 3111 Vial
MW-2	↓	↓	Same as above	1250µl unPres
B-5A	↓	↓	Same as above	1250µl NITRIC per Sample

Page 36 of 36	Comments <u>Please lab filter for dissolved metals</u>	<b>Preservation</b> Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input checked="" type="checkbox"/>	4°C _____ Frozen _____ HCl _____ MeOH _____ HNO <sub>3</sub> _____ H <sub>2</sub> SO <sub>4</sub> _____ NaOH _____ InAc _____ Ascorbic Acid _____ Other _____	<b>Temperature on Receipt</b> <u>3.8 °C</u>
		Samples Relinquished By <u>K Baker</u> Date/Time <u>7-8-15 12pm</u>	Samples Received By <u>R Baker</u> Date/Time <u>7-8-15 12pm</u>	
		Samples Relinquished By _____ Date/Time _____	Samples Received in LAB by <u>KN</u> Date/Time <u>7-8-15 1855</u>	





# Technical Report

prepared for:

**VHB**

100 Motor Parkway, Suite 135  
Hauppauge NY, 11788  
**Attention: Stephen Kaplan**

Report Date: 07/24/2015

**Client Project ID: 29229.00 102-05 Ditmars**

York Project (SDG) No.: 15G0831

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

**VHB**  
100 Motor Parkway, Suite 135  
Hauppauge NY, 11788  
Attention: Stephen Kaplan

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 23, 2015 and listed below. The project was identified as your project: **29229.00 102-05 Ditmars**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15G0831-01	B-5A	Water	07/23/2015	07/23/2015

## General Notes for York Project (SDG) No.: 15G0831

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 07/24/2015





### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0831-01

<u>York Project (SDG) No.</u> 15G0831	<u>Client Project ID</u> 29229.00 102-05 Ditmars	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 23, 2015 11:00 am	<u>Date Received</u> 07/23/2015
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**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
98-86-2	Acetophenone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
120-12-7	Anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
1912-24-9	Atrazine	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
100-52-7	Benzaldehyde	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
92-52-4	1,1'-Biphenyl	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
105-60-2	Caprolactam	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
86-74-8	Carbazole	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0831-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0831

29229.00 102-05 Ditmars

Water

July 23, 2015 11:00 am

07/23/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
218-01-9	Chrysene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
132-64-9	Dibenzofuran	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.725</b>		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
206-44-0	Fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
86-73-7	Fluorene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0250	0.0250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR



### Sample Information

**Client Sample ID:** B-5A

**York Sample ID:** 15G0831-01

York Project (SDG) No.

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15G0831

29229.00 102-05 Ditmars

Water

July 23, 2015 11:00 am

07/23/2015

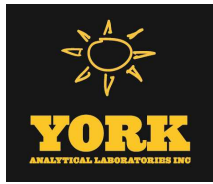
**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
67-72-1	Hexachloroethane	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
78-59-1	Isophorone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
95-48-7	2-Methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
91-20-3	Naphthalene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
98-95-3	Nitrobenzene	ND		ug/L	0.312	0.312	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.312	0.312	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
85-01-8	Phenanthrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
108-95-2	Phenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
129-00-0	Pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:26	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/24/2015 06:19	07/24/2015 12:30	SR



**Sample Information**

**Client Sample ID:** B-5A

**York Sample ID:** 15G0831-01

York Project (SDG) No.  
15G0831

Client Project ID  
29229.00 102-05 Ditmars

Matrix  
Water

Collection Date/Time  
July 23, 2015 11:00 am

Date Received  
07/23/2015

**Semi-Volatiles, 8270 - TCL/SOM**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D	07/24/2015 06:19	07/24/2015 12:30	SR
									Certifications: CTDOH,NELAC-NY10854,NJDEP		
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	25.5 %			10-65						
4165-62-2	Surrogate: Phenol-d5	18.0 %			10-49						
4165-60-0	Surrogate: Nitrobenzene-d5	57.5 %			10-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	58.9 %			10-93						
118-79-6	Surrogate: 2,4,6-Tribromophenol	62.6 %			10-128						
1718-51-0	Surrogate: Terphenyl-d14	73.8 %			10-100						



## Notes and Definitions

EXT-EM The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



**YORK**  
ANALYTICAL LABORATORIES INC

YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 1560831

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type</b>	
Company: <u>VHB</u>		Company: _____		Company: _____		<u>29229.00</u>		RUSH - Same Day <input type="checkbox"/>		Summary Report _____	
Address: <u>100 Motor Parkway</u>		Address: <u>SAME</u>		Address: <u>SAME</u>		<u>102-05 Ditmas</u>		RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary _____	
Phone No. <u>631-787-3400</u>		Phone No. _____		Phone No. _____		<b>Purchase Order No.</b>		RUSH - Two Day <input type="checkbox"/>		CT RCP Package _____	
Contact Person: <u>Steve Kaplan</u>		Attention: _____		Attention: <u>Barbara Alberts</u>		_____		RUSH - Three Day <input type="checkbox"/>		CTRCP DQA/DUE Pkg _____	
E-Mail Address: <u>Staplan@VHB.com</u>		E-Mail Address: _____		E-Mail Address: <u>BAlberts@vham.com</u>		Samples from: CT ___ NY <input checked="" type="checkbox"/> NJ ___		RUSH - Four Day <input type="checkbox"/>		NY ASP A Package _____	
								Standard(5-7 Days) <input type="checkbox"/>		NY ASP B Package _____	
										NJDEP Red. Deliv. _____	

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Samples Collected/Authorized By (Signature)  
Stephen Kaplan  
Name (printed)

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360- <sup>Appendix</sup> No Disposal Form	BTU/lb.
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360- <sup>Appendix</sup> 1-10 List	Aquatic Tox.
Halog. only NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list	SPLP or TCLP	608 PCB		Helium	TAGM	Silica

- Electronic Data Deliverables (EDD) \_\_\_\_\_
- Simple Excel \_\_\_\_\_
- NYSDEC EQuIS \_\_\_\_\_
- EQuIS (std) \_\_\_\_\_
- EZ-EDD (EQuIS) \_\_\_\_\_
- NJDEP SRP HazSite EDD \_\_\_\_\_
- GIS/KEY (std) \_\_\_\_\_
- Other \_\_\_\_\_
- York Regulatory Comparison \_\_\_\_\_
- Excel Spreadsheet \_\_\_\_\_
- Compare to the following Regs. (please fill in): \_\_\_\_\_

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>B-5A</u>	<u>7/23/15 11:00am</u>	<u>GW</u>	<u>TCL SVOCs 8260</u>	<u>3 1-liter amber &amp; preservative</u>

Comments  
24 hr TA per Rich August

Preservation	4°C <input checked="" type="checkbox"/> Frozen	HCl _____	MeOH _____	HNO <sub>3</sub> _____	H <sub>2</sub> SO <sub>4</sub> _____	NaOH _____
Check those Applicable	ZnAc _____	Ascorbic Acid _____	Other _____			
Special Instructions						
Field Filtered <input type="checkbox"/>	Samples Relinquished By <u>KB</u> Date/Time <u>7/23/15 2:30</u>			Samples Received By <u>KN</u> Date/Time <u>7/23/15 2:20</u>		
Lab to Filter <input type="checkbox"/>	Samples Relinquished By <u>KB</u> Date/Time <u>7/23/15</u>			Samples Received in LAB by <u>KN</u> Date/Time <u>7-23-15 1900</u>		

Temperature on Receipt  
4.2 °C





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**Attachment D**  
**Soil Boring and Groundwater Monitoring**  
**Well Logs**

VHB ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C.			<b>Boring Log</b>		Project No.: 29229.00		Page: 1
			Drill Rig: Push Geoprobe		Date Drilled: 6/29/2015		Logged By: HO
			Boring Diameter: 2"		Boring Number: VHB-1		
Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	Lithology/Description			
X	50	0.0	0-1	Gravel mixed with brown, fine grained sand			
			1-2	Light Brown medium-grained sand with trace gravel			
			2-3				
			3-4				
			4-5	Dark brown, compact sand/silt mixture			
			5-6				
			6-7				
	80		7-8				
			8-9				
			10-11	Medium Brown fine grained sand with traces of stone			
X	50		11-12				
			12-13				
			13-14	Dark brown, compact sand with traces of silt			
			14-15				
Completion Notes: ppm- parts per million					<b>Boring Location:</b> See Figure 2		

VHB ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C.			<b>Boring Log</b>		Project No.: 29229.00		Page: 1		
			Drill Rig: Push Geoprobe			Date Drilled: 6/29/2015		Logged By: HO	
			Boring Diameter: 2"			Boring Number: VHB-2			
Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	Lithology/Description					
X	80	0.0	0-1	Gravel mixed with dark grey fine grained sand					
			1-2	Dark brown, fine grained sand					
			2-3	Light brown, fine grained sand					
			3-4	Light brown, fine grained sand with traces of darker grey sand					
			4-5						
			5-6						
			6-7						
			7-8						
			8-9	Saturated orange, brownish, fine grained sand					
			10-11						
X	90		11-12						
			12-13						
			13-14	Heavily Saturated, light brown fine grained sand					
			14-15						
Completion Notes: ppm- parts per million						<b>Boring Location:</b> See Figure 2			

VHB ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C.			<b>Boring Log</b>		Project No.: 29229.00		Page: 1	
			Drill Rig: Push Geoprobe		Date Drilled: 6/29/2015		Logged By: HO	
			Boring Diameter: 2"		Boring Number: VHB-3			
Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	Lithology/Description				
X	70	0.0	0-1	Gravel mixed with light brown fine grained sand				
			1-2					
			2-3	Dark brown, fine grained sand				
			3-4					
			4-5	Dark brown, fine grained sand with traces of stone and gravel				
			5-6					
	85		6-7					
			7-8	Saturated brown grey sand with traces of stone				
			8-9					
			10-11					
X	45		11-12	Heavily saturated, dark brown fine grained sand with traces of stone				
			12-13	Heavily saturated, dark brown fine grained sand				
			13-14					
			14-15	Heavily saturated, dark brown fine grained sand with traces of stone				
Completion Notes: ppm- parts per million					<b>Boring Location:</b> See Figure 2			

VHB ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C.			<b>Boring Log</b>		Project No.: 29229.00		Page: 1		
			Drill Rig: Push Geoprobe			Date Drilled: 6/29/2015		Logged By: HO	
			Boring Diameter: 2"			Boring Number: VHB-4			
Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	Lithology/Description					
X	70	0.0	0-1	Light brown, fine grained sand					
			1-2						
			2-3						
			3-4	Dark brown, fine grained sand with traces of stone and gravel					
			4-5						
			5-6	Dark brown, grey, compact sand/silt mixture					
	65		6-7	Dark brown, grey, compact sand/silt mixture with traces of stone					
			7-8						
			8-9	Dark brown, grey grained sand with traces of silt.					
			10-11						
X	45		11-12						
			12-13						
			13-14	Heavily saturated, light brown fine grained sand					
			14-15						
Completion Notes: ppm- parts per million						<b>Boring Location:</b> See Figure 2			

VHB Engineering, Surveying and Landscape Architecture, P.C.	<b>Well Construction Log</b>		
	Well ID: MW-1	Project No.: 29229.00	
		Date: 6/29/15	Logged By: Hugh O'Riordan
	Well Diameter: 2 inches	Well Depth: 12 feet bgs	
2" dia. Schedule Well Material: 40 PVC casing w/ 20 slot screen	Borehole Dia: 2 inches	Borehole depth: 13.5 feet bgs	Screen Interval: 3.5 - 13.5 feet bgs
Depth to Product: NA	Depth to Water: 5.76 feet below measuring point	Depth to Bottom: 13.30 feet below measuring point	

<p>The diagram shows a vertical well casing with a 2-inch diameter. The casing extends from the ground level (grade) down to a depth of 13.5 feet below ground surface (bgs). A screen is located between 3.5 feet and 13.5 feet bgs. The casing is surrounded by #2 well gravel from 2 feet to 13.5 feet bgs. A bentonite seal is located between 1 and 2 feet bgs. The casing is surrounded by concrete from 0 to 1 foot bgs. The borehole diameter is 4 inches.</p>	Driller Information
	Drilling Company: AARCO ENVIRONMENTAL
	Drilling Method: Geoprobe 7822DT Fluid Used: water Volume of Fluid: 5 gallons (for bentonite seal) Measuring Point: top of PVC well casing - north
	Well Development
	Date: 6/29/15      Field Staff: Hugh O'Riordan
	Pumping Method: Proactive 12-volt pump Pumping Rate: 0.5 gallons/minute Volume Pumped: 30 Starting Turbidity: high Final Turbidity: low

Lithology: See boring log VHB-4	Well Location: See Figure 2
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Well Construction Log			
VHB Engineering, Surveying and Landscape Architecture, P.C.	Well ID: MW-2	Project No.: 29229.00	
		Date: 6/29/15	Logged By: Hugh O'Riordan
	Well Diameter: 2 inches	Well Depth: 12 feet bgs	
2" dia. Schedule Well Material: 40 PVC casing w/ 20 slot screen	Borehole Dia: 2 inches	Borehole depth: 13.5 feet bgs	Screen Interval: 3.5 - 13.5 feet bgs
Depth to Product: NA	Depth to Water: 4.05 feet below measuring point	Depth to Bottom: 13.30 feet below measuring point	

<p>The diagram illustrates a well construction. At the top is the 'grade'. Below it is a section of 'concrete: 0-1' bgs'. This is followed by a 'bentonite seal: 1-2.0' bgs'. Below the seal is a section of '#2 well gravel: 2'-13.5' bgs'. A '2" casing' is shown extending from the top down to a 'screen' at '3.5' bgs'. The 'bottom of screen' is at '13.5' bgs'. The 'bottom of borehole' is also at '13.5' bgs'. The 'borehole diameter' is shown as '4"'. The casing diameter is '2"'. The diagram is labeled with 'grade', 'top of screen: 3.5' bgs', 'bottom of screen: 13.5'', 'bottom of borehole: 13.5' bgs', 'casing diameter: 2"', and 'borehole diameter: 4"'. To the right of the diagram, the text 'concrete: 0-1' bgs', 'bentonite seal: 1-2.0' bgs', and '#2 well gravel: 2'-13.5' bgs' is written.</p>	Driller Information
	Drilling Company: AARCO ENVIRONMENTAL
	Drilling Method: Geoprobe 7822DT Fluid Used: water Volume of Fluid: 5 gallons (for bentonite seal) Measuring Point: top of PVC well casing - north
	Well Development
	Date: 6/29/15      Field Staff: Hugh O'Riordan Pumping Method: Proactive 12-volt pump Pumping Rate: 0.5 gallons/minute Volume Pumped: 30 Starting Turbidity: high Final Turbidity: low

Lithology: See boring log VHB-3	Well Location: See Figure 2
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# Attachment E

## Low Flow Groundwater Sampling Logs



## LOW-FLOW GW SAMPLING LOG

**Site Name:** LGA Marriott      **Well #:** MW-1      **Date:** 7-Jul-15  
**Well Depth (Ft-BTOC<sup>1</sup>):** \_\_\_\_\_ **Screen Interval (Ft):** \_\_\_\_\_ **Sampling Personnel:** HW&BM  
**Well Diameter:** 2"      **Casing Material:** \_\_\_\_\_  
**Intake Placement (Ft from TOC<sup>2</sup>):** \_\_\_\_\_ **Pump Rate:** \_\_\_\_\_  
**Measuring Point:** \_\_\_\_\_ **Sampling Pump...** Grundfos Submersible  
**Water Level (PUMPING) (Ft):** \_\_\_\_\_ **Water Level (STATIC) (Ft):** \_\_\_\_\_

**Other Info:** (such as meter model No., sample numbers, weather conditions and field notes) \_\_\_\_\_

Water Quality Indicator Parameters									
TIME	PUMPING Rate (L/Min)	WATER Level (Ft)	DO (mg/L)	ORP (mv)	Turb. (NTU)	SEC <sup>3</sup> (S/cm)	pH	TEMP. ( C )	Volume pumped (gallons)
1134			4.86	59	2012	1.23	5.88	17.01	
1137			3.89	52	2473	1.23	5.87	16.71	
1140			3.52	58	2293	1.24	5.85	16.63	
1143			3.62	63	1730	1.24	5.79	16.48	
1146			3.58	64	1455	1.24	5.78	16.45	
1149			3.47	65	1238	1.24	5.76	16.4	
1152			3.44	67	1134	1.24	5.75	16.4	
1155			3.44	68	980	1.24	5.74	16.36	
1158			3.37	69	1001	1.24	5.73	16.37	
1201			3.39	71	1035	1.24	5.73	16.36	

**Type of Samples Collected:**

1 Casing Volume was:  
 Total volume purged prior to sampling:

**Stabilization Criteria:**  
 DO            +/- 0.3 mg/L  
 Turbidity    +/- 10 %      <10 NTUs if  
 SEC           +/- 3 %      sampling for metals  
 ORP          +/- 10 mV  
 pH            +/- 0.1 unit

<sup>1</sup> = Below Top of Casing  
<sup>2</sup> = Top of Casing

# LOW-FLOW GW SAMPLING LOG

**Site Name:** LGA Marriott      **Well #:** MW-2      **Date:** 7-Jul-15  
**Well Depth (Ft-BTOC<sup>1</sup>):** \_\_\_\_\_ **Screen Interval (Ft):** \_\_\_\_\_ **Sampling Personnel:** HW&BM  
**Well Diameter:** 2"      **Casing Material:** \_\_\_\_\_  
**Intake Placement (Ft from TOC<sup>2</sup>):** \_\_\_\_\_ **Pump Rate:** \_\_\_\_\_  
**Measuring Point:** \_\_\_\_\_ **Sampling Pump...** Grundfos Submersible  
**Water Level (PUMPING) (Ft):** \_\_\_\_\_ **Water Level (STATIC) (Ft):** \_\_\_\_\_

**Other Info:** (such as meter model No., sample numbers, weather conditions and field notes) \_\_\_\_\_

Water Quality Indicator Parameters									
TIME	PUMPING Rate (L/Min)	WATER Level (Ft)	DO (mg/L)	ORP (mv)	Turb. (NTU)	SEC <sup>3</sup> (S/cm)	pH	TEMP. (C)	Volume pumped (gallons)
1235			6.01	147	91.6	1.77	5.88	17.91	
1238			3.91	129	68.2	1.74	5.87	18.05	
1241			3.32	112	66.5	1.73	5.85	18.03	
1243			3.4	112	48.6	1.73	5.79	18.07	
1246			3.32	99	32.3	1.73	5.78	18.08	
1249			3.24	98	29.6	1.73	5.76	18.08	
1252			3.27	97	18.4	1.73	5.75	18.05	
1255			3.3	96	11.2	1.72	5.74	18.01	
1258			3.25	96	12.1	1.73	5.73	18.02	
1301			3.23	97	12.2	1.73	5.73	18.04	

**Type of Samples Collected:**

1 Casing Volume was:  
 Total volume purged prior to sampling:

**Stabilization Criteria:**

DO            +/- 0.3 mg/L  
 Turbidity    +/- 10 %      <10 NTUs if  
 SEC           +/- 3 %      sampling for metals  
 ORP          +/- 10 mV  
 pH            +/- 0.1 unit

<sup>1</sup> = Below Top of Casing  
<sup>2</sup> = Top of Casing

# LOW-FLOW GW SAMPLING LOG

**Site Name:** LGA Marriott      **Well #:** B-5A      **Date:** 7-Jul-15  
**Well Depth (Ft-BTOC<sup>1</sup>):** \_\_\_\_\_ **Screen Interval (Ft):** \_\_\_\_\_ **Sampling Personnel:** HW&BM  
**Well Diameter:** 2"      **Casing Material:** \_\_\_\_\_  
**Intake Placement (Ft from TOC<sup>2</sup>):** \_\_\_\_\_ **Pump Rate:** \_\_\_\_\_  
**Measuring Point:** \_\_\_\_\_ **Sampling Pump...** Grundfos Submersible  
**Water Level (PUMPING) (Ft):** \_\_\_\_\_ **Water Level (STATIC) (Ft):** \_\_\_\_\_

**Other Info:** (such as meter model No., sample numbers, weather conditions and field notes) \_\_\_\_\_

Water Quality Indicator Parameters									
TIME	PUMPING Rate (L/Min)	WATER Level (Ft)	DO (mg/L)	ORP (mv)	Turb. (NTU)	SEC <sup>3</sup> (S/cm)	pH	TEMP. ( C )	Volume pumped (gallons)
1032			4.63	125	65	0.78	5.32	16.93	
1035			4.01	132	58.6	0.788	5.22	16.81	
1038			3.9	133	32.9	0.795	5.18	16.83	
1041			3.73	136	24.9	0.79	5.14	16.82	
1044			3.63	138	22.5	0.789	5.12	16.78	
1047			3.57	139	9.7	0.79	5.12	16.79	
1050			3.55	138	9.58	0.789	5.13	16.77	
1053			3.52	139	9.66	0.789	5.13	16.77	

**Type of Samples Collected:**

1 Casing Volume was:  
 Total volume purged prior to sampling:

**Stabilization Criteria:**

DO            +/- 0.3 mg/L  
 Turbidity    +/- 10 %      <10 NTUs if  
 SEC           +/- 3 %      sampling for metals  
 ORP          +/- 10 mV  
 pH            +/- 0.1 unit

<sup>1</sup> = Below Top of Casing  
<sup>2</sup> = Top of Casing



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# Attachment F Site Photographs



Photograph No. 1: Installation of soil boring VHB-2 utilizing a Geoprobe® hydraulic push drill rig.



Photograph No. 2: Installation of monitoring well MW-2.



Photograph No. 3: Development of monitoring well MW-1 utilizing a groundwater whale pump.



Photograph No. 4: Sampling of MW-1 using low-flow sampling techniques.



Photograph No. 5: Purging of MW-1 using low-flow sampling techniques for sample stabilization.



Photograph No. 6: Groundwater sampling using low-flow sampling techniques.



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# Attachment G Preparer Information



## Bryan Murty

Project Manager

### United States Armed Forces Reserve Center/Nike Missile Base, Amityville, NY

Performed Phase I and Phase II Environmental Site Assessments for the closure and redevelopment of the former United States Armed Forces Reserve Center and Nike Missile Base located in Amityville, New York. Mr. Murty evaluated all environmental conditions at the property including sub-slab soil vapor and ambient air quality analyses, multi-depth soil sampling, underground injection control (UIC), as well as groundwater and wastewater sampling within abandoned missile silos.

### Former Bay Shore Armory, Bay Shore, NY

Performed a Phase II Environmental Site Assessment for the re-use and redevelopment of the former New York State Armory property. Mr. Murty coordinated with sub-contractors and provided field oversight for a geophysical survey, the sampling from several large leaching fields, abandoned underground structures including vehicle lifts, tanks and an oil/water separator.

### Polytechnic Institute of New York University, Brooklyn, NY

Mr. Murty assisted in the design and implementation of a large-scale groundwater remediation system associated with a former leaking underground storage tank located at the Polytechnic Institute in Brooklyn. The groundwater remediation system is designed to collect and capture contaminated groundwater and recover product floating on the groundwater table. In order to achieve this, Mr. Murty coordinated with various additional team consultants in order to gather information needed to produce a New York State Department of Environmental Conservation-approved remedial action work plan.

### T.C. Dunham Paint Company, Yonkers, NY

Mr. Murty provided consulting services including emergency response, and production and oversight of an approved remedial action work plan associated with a 4-alarm paint warehouse fire that impacted a large area in Yonkers. Mr. Murty teamed with various consultants and coordinated with various regulatory agencies, including the City of Yonkers, New York State Department of Environmental Conservation and the United States Environmental Protection Agency to generate various approved documents including a remedial action work plan, health and safety plan (HASP) and community air monitoring program (CAMP) plan.

### Country Point at Plainview, Plainview, NY

Mr. Murty conducted a Phase I Environmental Site Assessment on the former Nassau County Sanitorium and associated recreational playing fields in Plainview, New York. Mr. Murty used this information to provide integrated services and incorporated same into a Draft Environmental Impact Statement to analyze existing conditions, potential impacts and mitigation measures associated with the redevelopment of the former Nassau County Sanitorium to a multi-family residential subdivision.

### Queen of Peace Cemetery and Residential Subdivision, Old Westbury, NY

Preparation of the FEIS for the development of a cemetery for the Diocese of Rockville Centre.

### Nassau Coliseum Redevelopment, Lighthouse at Long Island, Uniondale, NY

Assisted in preparation of the DGEIS for the redevelopment of the existing Nassau County Veterans Memorial Coliseum to a multi-use entertainment and residential complex in the Town of Hempstead.

### EIS for Heartland Town Square Redevelopment, Brentwood, NY

Assisted in preparation of the EIS for the rezoning and redevelopment of the 475± acre former

Mr. Murty manages and conducts Phase I and Phase II Environmental Site Assessments. In addition, Mr. Murty performs various environmental services including soil vapor sampling/ambient air quality analysis, design, oversight and technical support of small and large-scale remediation projects, as well as noise studies. Mr. Murty also participates in various environmental planning activities, including preparation of Draft and Final Environmental Impact Statements.

7 years of professional experience



Pilgrim Psychiatric Center as a Smart Growth Community.

**Sheltair Aviation, Republic Airport, Farmingdale, NY**

Assisted in preparation of the Hazardous Materials section of DEIS for proposed redevelopment and improvement of a former residential subdivision as a private jet terminal.

**Costco, Hicksville, NY**

Prepared Phase I and Phase II Environmental Site Assessment and assisted in preparation of the revised FEIS for the redevelopment of the property at West John Street and Charlotte Avenue.

**Pulte Homes, Courthouse Commons, Central Islip, NY**

Prepared Phase I and Phase II Environmental Site Assessment and assisted in the monitoring of a large-scale remediation of a landfill at the former Central Islip Psychiatric Facility under the direction of the Suffolk County Department of Health Services and the New York State Department of Environmental Conservation for the ultimate redevelopment of the property as a residential condominium complex.

**Lowe’s Home Centers, Various Nassau County and Suffolk County Sites, NY**

Prepared Phase I and Phase II Environmental Site Assessments for several Lowe’s stores throughout Long Island.

**Verizon Wireless Phase I & Phase II Environmental Site Assessments, Various, NY**

Mr. Murty also prepared Phase I and/or Phase II Environmental Site Assessments throughout Long Island and the five boroughs of New York City for Verizon Wireless service expansion. Supported Phase II ESAs by performing soil sampling, groundwater investigations/monitoring and soil vapor monitoring. Also provided remedial investigation support.

**PANYNJ Passenger Facility Charge, Newark, NJ, New York, NY, New Windsor, NY**

Assisted in developing and administering the 2010 PFC application for the Port Authority of New York and New Jersey for Newark Liberty International Airport, John F. Kennedy International Airport, LaGuardia Airport and Stewart International Airport. This application includes \$570 million in capital development projects that incorporate terminal expansion, runway and taxiway pavement rehabilitation and security enhancements. Working with Port Authority staff, assisted in developing each project description justification through detailed meetings with a variety of Port Authority staff (technical services, accounting, planning) throughout the agency. The application received considerable support by the airlines and worked diligently with Port Authority staff and the FAA to the eventual approval of the application.

**Education**

BA, Environmental Studies, SUNY Binghamton, 2005

**Professional Registrations/ Certifications**

OSHA 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER), Certified 2006, 8-hour Refresher (current)

OSHA 10-Hour Construction Safety, 2012

**Affiliations/ Memberships**

American Association of Airport Executives, 2010 - Present

**Phase I and II Investigations and UST Closure, Patchogue, NY (2007 – Present)**

Mr. Kaplan conducted Phase I and II ESAs in association with multiple individual parcels owned separately, and acquired separately by one entity for consolidation and redevelopment. The site is located in the downtown area of Patchogue Village and has been developed since the 1800s for many different uses. The site is located on three physical blocks and separated by roadways (one of which that was condemned and incorporated into the footprint of on-site buildings). During the course of these environmental investigations, multiple USTs were identified, removed and abandoned. Mr. Kaplan coordinated with the County DOH and NYSDEC to properly register USTs, and report and close a petroleum-related spill. In addition, Mr. Kaplan prepared a soil management plan for implementation during excavation at the site.

**Phase I and Phase II Investigations, Condo Development, Mineola, NY (2008 – Present)**

Five buildings located on six contiguous parcels and two off-site adjacent properties were investigated by Mr. Kaplan for a site consolidation and redevelopment project. These buildings were historically utilized by an aerospace company for laboratory testing of components utilized in the Manhattan Project. Phase I and II ESAs were performed and included UIC, on-site supply and diffusion well, and UST sampling. Mr. Kaplan coordinated with various government agencies to register, remove, abandon and remediate existing site features including, but not limited to interior and exterior floor drains, supply and diffusion wells, seven USTs and 30 stormwater drywells. The agencies involved included the Village of Mineola, County DOH, NYSDEC and USEPA.

**Phase I and Phase II Investigations, AvalonBay, Mitchel Field, Garden City, NY (2003 – Present)**

Former military housing was acquired by AvalonBay from the U.S. Navy for redevelopment. As part of the project, Mr. Kaplan prepared Phase I and II ESAs prior to the acquisition. He was also instrumental in preparing cost and timeline estimates for AvalonBay with respect to existing conditions and procedures for subdivision redevelopment. Subsequent to acquisition, Soil Management and UIC Work Plans were prepared by Mr. Kaplan and approved by the County DOH. Mr. Kaplan provided oversight during the proper removal of impacted soils, implementation of a UIC remediation project, and abandonment of a 472-foot deep well. A NYSDEC spill was reported and closed, and impacted soils associated with a diesel AST were removed.

**On-Call Environmental Consulting, Long Island MacArthur Airport, Islip, NY (2011 – Present)**

Mr. Kaplan is the Project Manager responsible for an on-call agreement with the Town of Islip to provide environmental consulting services. Monthly groundwater sampling is conducted at various locations of the airport property in accordance with the Town of Islip's NYSDEC SPDES compliance. Other consulting services include Phase I and Phase II investigations, permitting, underground storage tank investigations, wetlands investigations, and remediation. To accomplish the goals of each task order, Mr. Kaplan responds quickly to requests and works closely with the Town of Islip, Suffolk County, and the NYSDEC.

For close to twenty years, Mr. Kaplan has been managing Phase I and Phase II Environmental Site Assessments (ESAs) and remediation projects. Throughout a project, he consults with private clients, lending institutions, legal counsel, and municipalities. As necessary he coordinates approvals, permitting, and remediation efforts with regulatory agencies. Mr. Kaplan has performed ESAs for communications facilities, residential, commercial, industrial properties, and institutions. Often, Mr. Kaplan works on ESAs from the initial investigation, through alternative development scenarios, to construction.

**Due Diligence including Phase I and Phase II Investigations, Champlain, NY (2011 – Present)**

Mr. Kaplan provided Phase I and pre-purchase due diligence services as part of the purchase of six properties. Following the Phase I investigations, Mr. Kaplan provided Phase II investigation services on two of the properties. Phase II services included groundwater and soil sampling as well as coordination with regulatory agencies.

**Remedial Work Plan Preparation and Investigation, Brooklyn, NY (2011 – Present)**

As part of an emergency response team, Mr. Kaplan provided environmental investigation and remediation services. Working closely with a NYSDEC spill contractor, Mr. Kaplan's responsibilities included determining sample locations, field oversight, and developing NYSDEC approved work plan.

**Timber Ridge Phase I Environmental Site Assessment, Holtsville, NY (2006 – 2011)**

A Phase I Environmental Site Assessment was conducted by Mr. Kaplan at Timber Ridge's Country View Estates in Holtsville. The Phase I investigation involved a field inspection, document review, and coordination with the client and Town. Subsequently, Mr. Kaplan prepared a Soil Management Work Plan for the Town, conducted field oversight and sampling, and issued the Closure Report.

**Bishops Lane Soil Management Plan, Southampton, NY (2007 – Present)**

As a follow-up to a Phase I Environmental Site Assessment conducted for Beechwood Homes, Mr. Kaplan prepared a Soil Management Plan (SMP). It was determined that the site, The Ponds at Southampton Village can be redeveloped from a commercial facility (sand mining and contractor yard) to residential usage.

**Phase I and II Investigations at New York State Psychiatric Center Hospital Redevelopment Projects, Central Islip, Brentwood, Melville and Dover Knolls, NY (2000 – Present)**

Mr. Kaplan coordinated site redevelopment issues with multiple parties following initial Phase I and II ESAs. Coordination included working with County DOH, NYSDEC and the USEPA. Mr. Kaplan's involvement with these projects included managing the removal of an electrical substation; remediation of PCB-contaminated soil; demolition of four out-of-service 500,000-gallon fuel oil ASTs; and remediation of fuel oil contamination. At one site, a soil management plan developed by Mr. Kaplan addressed heavy metal and pesticide impacts at a former agricultural-use section. In addition, a portion of one former psychiatric center was developed as senior affordable housing which required that Mr. Kaplan prepare various documents to satisfy HUD financing requirements.

**Phase I Environmental Site Assessments at Cellular Sites for Verizon Wireless, NY (2000 – Present)**

At many cellular sites in the New York area, Mr. Kaplan has performed Phase I Environmental Site Assessments (ESA). The ESAs are usually required as part of the planning, zoning, and impact analysis. Typically, the Phase I ESAs for the proposed location includes a review of site information, health department and NYSDEC documentation for the area, and visual inspections.

**Phase I and Phase II Investigations, Lowe's, Bay Shore, NY (2001 – 2005)**

As Project Manager for this retail redevelopment project, Mr. Kaplan conducted a comprehensive Phase I and II ESA, with asbestos and lead-based paint surveys of five structures. Based upon results, Mr. Kaplan coordinated with the County DOH, New York State Department of Labor, USEPA and various environmental remediation subcontractors to remediate the existing structures/infrastructure prior to construction. Phase II activities included assessment/remediation of over 250 stormwater drywells and six on-site sanitary systems, asbestos management, aboveground and underground fuel oil storage tank removals, and impacted soil disposal.

**Phase I and Phase II Investigations, North Shore Central School District Bus Maintenance Facility, Glenwood Landing, NY (2004 – 2008)**

Mr. Kaplan conducted Phase I and II ESAs at this vacant site which was adjacent to a Long Island Power Authority (LIPA) power plant and substation, and an oil storage tank farm. Based upon the results of the Phase II investigation, which included a geophysical survey, test pits, soil and groundwater sampling, soil vapor sampling, significant petroleum-impacted groundwater was found on the subject property. Working with the NYSDEC and County DOH, Mr. Kaplan was successful in suitably remediating on-site soils to permit site development activities.

**Phase I Environmental Site Assessment, South Oaks Hospital Amityville/Massapequa, NY (2000 – 2011)**

Mr. Kaplan has prepared multiple Phase I ESAs for various parcels located at this former hospital site. Since portions of the site are located within two counties, two townships and one village, the project required extensive coordination. Mr. Kaplan coordinated site redevelopment remediation for redevelopment by two separate entities. Remediation activities included the removals of fuel oil and gasoline USTs, NYSDEC spill closures, groundwater sampling, and impacted sediment removal.

**Phase I and Phase II Environmental Site Assessments, Former Fairchild Jet Engine Testing Facility, Bay Shore, New York (2001 – 2003)**

As Project Manager, Mr. Kaplan conducted Phase I and II ESAs that identified environmental concerns at this former industrial site. A No. 4 fuel oil spill was detected, prompting test pits and delineation of soil/groundwater impacts. Remediation was successful and the NYSDEC spill investigation was closed. The County DOH declared no further remedial action was necessary.

**Yachtsman's Cove Marina, Freeport, NY (2007 – 2008)**

NYSDEC spill reported at marina property prior to Mr. Kaplan's involvement. Mr. Kaplan prepared a NYSDEC-approved remediation work plan to successfully remove the gasoline UST and impacted soils, and install groundwater monitoring wells.

**Phase I and Phase II Environmental Site Assessment, Lowe's Redevelopment of the Huntington Town House, Huntington Station, NY (2006 – Present)**

Mr. Kaplan conducted a Phase I and II ESA, inclusive of asbestos and lead surveys at this former catering establishment. Investigation activities determined the existence of two unidentified out-of-service USTs and three in-service USTs. Mr. Kaplan worked with the Suffolk County DOH and NYSDEC to resolve UST and UIC issues.

**Phase I Environmental Site Assessment, Lighthouse Nassau Coliseum Redevelopment Project, Uniondale, NY (2002 – Present)**

Mr. Kaplan prepared a Phase I Environmental Site Assessment report for the Nassau Coliseum redevelopment project identified environmental conditions pertaining to former site use and proposed development. The scope of work addressed former sewage treatment beds associated with the previous Army Air Corps' airfield, existing and removed USTs, and groundwater quality.

**Phase II Remediation at Bronco Charlie's Restaurant, Oakdale, NY (2004 – 2006)**

Multiple sanitary leaching structures with elevated concentrations of VOCs in bottom sediments required remediation at this historic town site. Mr. Kaplan coordinated with the County DOH and NYSDEC for oversight of UIC-related structures, fuel oil UST removals and groundwater contamination. As a result, the County DOH and NYSDEC officially closed their investigations.

**Phase I and Phase II Environmental Site Assessments, Island Hills Golf and Country Club Litigation Support, Sayville, NY (2007)**

As Project Manager, Mr. Kaplan reviewed Phase I and II ESAs prepared on behalf of the property to provide litigation support. Mr. Kaplan conducted a successful UIC closure project resulting in a County DOH no further action declaration. Mr. Kaplan's knowledge of the USEPA UIC Program and contaminants identified in the remediation project was instrumental in a successful legal defense.

**Education**

BA, Economics, State University of New York at Geneseo, 1992

OSHA Lead in Construction Training, September 2003

Princeton Groundwater, Inc., Groundwater and Pollution Hydrology Course, February 2006

**Professional Registrations/ Certifications**

Certified Asbestos Inspector, 2001

OSHA, 40-Hour Hazardous Materials and Site Investigation, Certified 2004

**Employment History**

MTS EnviroSurv, Inc. 1992 – 1995 (conducted Phase I ESAs)

Wilsearch Information Network, Inc. 1995 – 2000 (conducted Phase I ESAs)

Freudenthal & Elkowitz Consulting Group, Inc. (operations acquired by VHB Engineering, Surveying and Landscape Architecture, P.C., effective January 1, 2009) 2000 – Present



September 16, 2015

Ms. Yasmine Robinson  
New York City Department of City Planning  
22 Reade Street  
New York, New York 10007

**Emily Lloyd**  
*Commissioner*

**Re: East Elmhurst Long-Term Parking Garage  
102-05 Ditmars Boulevard  
Block 1641, Lots 1 and 8900  
CEQR # 15DCP160Q  
Queens, New York**

**Angela Licata**  
*Deputy Commissioner of  
Sustainability*

Dear Ms. Robinson:

59-17 Junction Blvd.  
Flushing, NY 11373

Tel. (718) 595-4398  
Fax (718) 595-4479  
alicata@dep.nyc.gov

The New York City Department of Environmental Protection, Bureau of Environmental Planning and Analysis (DEP) has reviewed the August 2015 Phase II Environmental Assessment (Phase II) conducted by VHB Engineering, Surveying and Landscape Architecture, P.C. on behalf of The Parking Spot (applicant) for the above referenced project. It is our understanding that the applicant is seeking special permits under Zoning Resolution section 74-743(a)2 Large Scale General Development (LSGD); and section 74-512 Public Parking Garage (over 150 spaces) from the New York City Department of City Planning (DCP). The proposed actions would permit the construction on the zoning lot of an approximately 644,870 gross square foot, 9-level (seven stories and two cellar) public parking garage that would consist of approximately 2,200 parking spaces (approximately 297 spaces would be accessory to the hotel and about 1,903 would be public long term parking spaces to be used by air passengers from LaGuardia Airport). The proposed 2,200 public parking garage would replace the existing at-grade 410-space accessory parking facility and include the 297 permitted hotel accessory spaces to be specifically maintained and located within the proposed parking garage. The proposed action would not result in any modifications to the existing 10-story hotel. As part of the LSGD permit, the existing signage on this hotel building would be brought into compliance and signage would be placed on the north and the south facades of the proposed garage. The project site is bounded by Grand Central Parkway to the north, midblock between LaGuardia Airport Entrance and 25th Avenue to the east, Ditmars Boulevard to the south, and LaGuardia Airport Entrance to the west in a C4-2 zoning district in Queens Community District 3.

During the June and July 2015 field work, VHB Engineering conducted four soil borings VHB-1 through VHB-4 to the proposed terminal excavation depth. Two soil samples were collected from each boring (1-2 feet below grade surface (bgs) and 11-12 ft. bgs). Soil samples were collected and analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by United States Environmental Protection (EPA) Method 8260, TCL Semi-Volatile Organic

Compound (SVOCs) by EPA Method 8270, Pesticides by EPA Method 8081, PCBs by EPA Method 8082 and Target Analyte List (TAL) metals by EPA Methods 6010 and 7471. Three groundwater samples were collected via soil borings VHB-4 and VHB-3(MW-1 and MW-2) and one existing monitoring well (B-5A). Groundwater samples were collected and analyzed for TCLVOCs by EPA Method 8260, TCL SVOCs by EPA Method 8270, Pesticides by EPA Method 8081, PCBs by EPA Method 8082 and TAL metals (total and dissolved) by EPA Methods 6010 and 7471. It should be noted that a limited geophysical survey using magnetometer and ground penetrating radar surveys, radio frequency line tracers, fiber-optic cameras etc., was conducted to determine if any subgrade structures were present within or proximate to the soil and groundwater sample locations

The soil analytical results revealed that VOCs, SVOCs, Pesticides and PCBs were either non-detect or below New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective (UUSCOs) and or NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCO). One metal (calcium) was detected above the NYSDEC UUSCOs. The Groundwater analytical revealed VOCs (chloroform and tetrachloroethene), SVOCs (naphthalene and bis(2-ethylhexyl)phthalate), Pesticide (dieldrin) and several Metals (both total and dissolved) were detected in the groundwater samples. However, the samples were detected below NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards. It should be noted that the limited geophysical survey indicated that no structures or utilities were present within or to the soil boring locations.

Based upon our review of the submitted documents, we have the following comments/recommendations to DCP:

- DCP should instruct the consultant to submit a Construction Health and Safety Plan for DEP review and approval.

Future correspondence and submittal related to this project should include the following CEQR number **15DCP160Q**. If you have any questions, you may contact Mohammad Khaja-Moinuddin at (718) 595-4445.

Sincerely,



Maurice S. Winter  
Deputy Director, Site Assessment

c: E. Mahoney; M. Winter; W. Yu; T. Estes; M. Wimbish; O. Abinader – DCP  
E. Ulker-Kacar – DCP; J. Keller – DCP; R. Dobruskin – DCP; File