SUBSURFACE INVESTIGATION REPORT

250 MAMARONECK AVENUE
WHITE PLAINS, NEW YORK

NYSDEC SPILL NO.:1709377

PREPARED FOR:

YMCA OF CENTRAL AND NORTHERN WESTCHESTER
C/O MR. THOMAS L. HAY – DIRECTOR OF OPERATIONS
250 MAMARONECK AVENUE
WHITE PLAINS, NEW YORK 10605

PREPARED BY:

HYDROENVIRONMENTAL SOLUTIONS, INC.
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April 9, 2018

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INTRODUCTION

HydroEnvironmental Solutions, Inc. (HES), on behalf of the YMCA of Central and Northern Westchester, the current owner of the property, has completed a Subsurface Investigation (SI) at the property located at 250 Mamaroneck Avenue in White Plains, New York. The SI included the installation of twelve (12) soil borings and three (3) temporary monitoring wells throughout the property. The SI field work was completed on March 19 and March 20 of 2018. The site location is shown on **Figure 1**.

The site activities completed by HES included test boring installation, temporary monitoring well installation, field screening soil samples for the presence of petroleum vapors with a photoionization detector (PID), and collection of representative soil and groundwater samples for laboratory analysis. The field activities and results are presented below.

SITE BACKGROUND

In early 2018 members and employees of the YMCA, as well as tenants in the upstairs apartments, began to notice petroleum odors in the southwest stairwell of the building. Mr. Thomas Hay, Director of Operations for the YMCA, noted that the petroleum odors were strongest at the bottom of the southwest stairwell, specifically in a small storage room accessible through a small door on the bottom floor of the building. During renovation activity in the building, a section of the pool floor was removed, and petroleum odors were noted in this area as well as a slight sheen on the groundwater that collected in the excavation. As a result of these observations, the New York State Department of Environmental Conservation (NYSDEC) Spill No. 1709377 was opened and attached to the site on January 12, 2018.

A search of the NYSDEC Spills Database produced a record of multiple historic spills on the property from 1980 – 2015, all of which have been closed. These historic spills of #2 fuel oil ranged in quantity from 'unknown' to an estimated 100-gallon spill in November of 2006. Documentation provided by Mr. Hay includes a certificate of compliance from the City of White Plains Building Department for the successful removal of a 12,000-gallon underground storage tank (UST) located beneath the front parking lot and conversion of the building's heating system to natural gas. Two spills, Spill No. 1410006 and Spill No. 1505596, were associated with this UST. Activities to remediate these spills are outlined in a November 2015 Tank Closure Report written by Northeast Environmental, and both spills were subsequently closed by the NYSDEC Region 3 office. Copies of all prior environmental documentation provided to HES are attached in **Appendix 1**.

HYDROGEOLOGIC SETTING

The subject site consists of an eastward sloping parcel of land. The area to the west of the site slopes steeply upward away from the property, and the area to the east slopes slightly away from the property. The groundwater flow direction was not determined as part of this SI, although groundwater flow likely mimics topography and flows to the east.

The unconsolidated material beneath the site is composed of sand and gravel, with varying amounts of silt and clay. Bedrock was not encountered during the activities outlined in this SI. According to the Surficial Geologic Map of New York, the native material beneath the site consists of a glacial till, variable in texture, usually poorly sorted diamict of variable clasts (Cadwell, 1986). According to the Geologic Map of New York, the site sits above alternating folds of bedrock types including Fordham Gneiss (Pre-Cambrian - Middle Proterozoic), Inwood Marble (Early Cambrian – Lower Ordovician), and the Manhattan Formation (Middle Ordovician), Yonkers Gneiss (Middle Proterozoic), (Fisher, 1970).

FIELD ACTIVITIES

HES completed the following work to further assess the source of the observed petroleum odors and the extent of possible soil and groundwater impacts at the property:

Test Boring Installation and Soil Sampling

On March 19 and March 20, 2018, HES installed twelve (12) test borings across the site. The test borings designated GB-1 through GB-3 were installed using a Geoprobe® 54DT and the direct push drilling method on the exterior of the building. The test borings designated GB-4 through GB-12 were installed using a hammer drill with a rock coring bit and manual Geoprobe® equipment. The approximate test boring and soil sampling locations are identified on **Figure 2** and their respective Geologic Logs are included in **Appendix 2**.

During the installation of GB-1 through GB-3, soil samples were collected continuously in 4-foot increments at each test boring location using a 2.25-inch macro-core sampler. During the installation of GB-4 through GB-12, soil samples were collected continuously in 2-foot increments at each test boring location using a 1.25-inch macro-core sampler. All samples were logged in the field by the on-site hydrogeologist. At each boring location, the HES hydrogeologist recorded and documented subsurface conditions. Volatile organic vapor analysis was performed on soil samples collected in the field using a

calibrated MiniRAE® 3000 PID and the headspace method. The results of soil field screening are summarized on the Geologic Logs in **Appendix 2**. The test borings ranged in depth from 0.7 ftbg (GB-7) to 16 ftbg (GB-2).

Soil samples were collected from GB-1, GB-4, and GB-12, placed in appropriately labeled sample jars and transported on ice to York Analytical Laboratories, Inc. (York); a New York State Certified Laboratory located in Stratford Connecticut, where they were analyzed for the presence of volatile organic compounds (VOCs) via EPA Method 8021 including Methyl tert-butyl ether (MTBE) and semi-volatile organic compounds (SVOCs) via EPA Method 8270 in accordance with NYSDEC guidelines. The test boring locations are shown on **Figure 2**, a generalized site plan, and photographs taken during test boring installation activities are included on **Figure 3**. Soil sampling laboratory analytical results from the test borings are summarized on **Table 1** and the laboratory analytical report is included in **Appendix 3**.

Groundwater Sampling

Temporary groundwater monitoring wells were installed in the boreholes of GB-1, GB-4, and GB-5. The wells were constructed of 1-inch schedule 40 PVC with 20-slot well screen and solid casing, if needed. The wells were allowed time to equilibrate prior to purging and sampling activities.

On March 20, 2018, groundwater samples were collected from the temporary monitoring wells. Groundwater was evacuated using dedicated polyethylene bailers. The groundwater samples, designated GB-1-TW, GB-4-TW, and GW-5-TW, were collected in appropriately labeled glassware in accordance with industry accepted protocols. The samples were transported on ice to York and were analyzed for VOCs via EPA method 8021 including MTBE and SVOCs via EPA method 8270 in accordance with NYSDEC guidelines. The groundwater sampling laboratory analytical results from the test borings are summarized on **Table 2** and the laboratory analytical report is included in **Appendix 3**.

RESULTS

Test Boring Installation and Soil Sampling

Groundwater was observed at all exterior boring locations (GB-1 through GB-3) at approximately 11 – 12 ftbg. Groundwater was observed at all interior boring locations (GB-4 through GB-12) at approximately 0.7 – 1.0 ftbs (feet below slab).

No VOC vapors were detected in the exterior borings (GB-1 through GB-3) during PID field screening activities. Significant VOC vapors were detected at the majority of the interior boring locations (GB-4 through GB-12). The highest PID readings at each interior test boring ranged from 1.9 ppm to 220.7 parts per million (ppm). The results of PID field screening are summarized on the Geologic Logs included in **Appendix 2**, and the highest PID reading from each borehole is shown on **Figure 2.**

Soil laboratory analytical results indicate that concentrations of VOCs and SVOCs were detected above laboratory method detection limits (MDLs) in the soil samples designated GB-4 (1 ftbg) and GB-12 (0.5-1 ftbg). No concentrations of VOCs or SVOCs were detected above laboratory MDLs in the soil sample designated GB-1 (11-12 ftbg). No concentrations of VOCs or SVOCs were detected above NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs); in accordance with Subpart 375-6: Remedial Program Soil Cleanup Objectives in any of the three soil samples.

The laboratory analytical results are summarized on **Table 1** and the analytical report is included in **Appendix 3**. The results for BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) detected during soil sampling are summarized on **Figure 4**.

Groundwater Sampling

Groundwater laboratory analytical results indicate the following: concentrations of multiple SVOCs were detected above laboratory MDLs in the sample collected from GB-1, concentrations of multiple VOCs and SVOCs were detected above laboratory MDLs in the sample collected from GB-4, and multiple VOCs were detected above laboratory MDLs in the sample collected from GB-5.

Groundwater collected from the temporary monitoring wells at the GB-1 and GB-5 locations did not contain any VOCs or SVOCs that exceeded their respective NYSDEC Ambient Water Quality Standards (AWQS) in accordance with the Technical and Operational Guidance Series (TOGS) 1.1.1. Groundwater collected from the temporary monitoring well at GB-4 contained one SVOC constituent, chrysene, above its respective NYSDEC-AWQS. SVOCs were detected above AWQS in the groundwater sample collected from GB-5-TW (**Table 2**)

The groundwater laboratory analytical results are summarized on **Table 2** and the laboratory analytical report is included in **Appendix 3**. The results for BTEX compound concentrations (benzene, toluene, ethylbenzene, and xylenes) detected during groundwater sampling are summarized on **Figure 5**.

DISCUSSION OF RESULTS

Concentrations of fluorene, phenanthrene, and pyrene were detected in the soil sample designated GB-4 (1 ftbg). Concentrations of naphthalene, acenaphthene, anthracene, fluorene, naphthalene, phenanthrene, and pyrene were detected in the soil sample designated GB-12 (0.5 – 1 ftbg **or** ftbs). No VOCs or SVOCs were detected above their NYSDEC-UUSCOs in any of the soil samples collected for laboratory analysis.

Concentrations of acenaphthene, acenaphthylene, anthracene, fluorene, naphthalene, phenanthrene, and pyrene were detected in the groundwater sample designated GB-1-TW. Concentrations of naphthalene, n-butylbenzene, p-isopropyltoluene, sec-butylbenzene, acenaphthene, acenaphthylene, anthracene, chrysene, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene were detected in the groundwater sample designated GB-4-TW, with only chrysene (0.267 micrograms per liter [ug/L]) exceeding its NYSDEC-AWQS. Concentrations of p-isopropyltoluene, sec-butylbenzene, and tert-butylbenzene were detected in the groundwater sample designated GB-5-TW. None of the detected constituents in the samples designated GB-1-TW and GB-5-TW exceeded their respective NYSDEC-AWQS.

CONCLUSIONS

- Soil screening and laboratory analyses of soil and groundwater completed during drilling activities at the subject site indicate that minor impacts to the soil and groundwater exist at the subject site. The lack of impacts detected in the exterior borings is an indication that contamination exists under the building slab and is likely a result of residual contamination from historic spills at the subject site.

- Despite elevated PID readings in many of the borings, no constituents were detected above NYSDEC-UUSCOs in any of the three soil samples collected for laboratory analysis, and only a single constituent exceeded NYSDEC-AWQS in the three groundwater samples collected for laboratory analysis.

- A strong petroleum odor was noted in the southwest stairwell of the building, and a moderate odor was noted in the pool room where a section of the floor has been removed during all field activities.

- Residual fuel oil contamination from one or more historic fuel oil spills at the site has likely spread under the building slab over time, possibly through drainage systems or other subsurface preferential pathways, causing vapors to emanate into the southwest stairwell of the building from beneath the basement floor. The regular

pumping of groundwater from the sump pit in the southern end of the basement could be a contributing factor to the movement of shallow groundwater and any existing contamination through the unconsolidated gravel and sand that occupies the space immediately below the building slab. The presence of emulsified free-phase fuel oil observed on the sump pit in the south end utility area of the building is an indication that product on top of the water table is likely contributing to the observed vapors in the stairwell and pool areas.

RECOMMENDATIONS

Based on the findings of the above outlined SI, HES recommends the following:

- Due to the nuisance petroleum odors noted in the southwest stairwell and the detection of low level fuel oil constituents in the soil and groundwater underneath the building slab, active remedial measures will need to take place to ensure the protection of human health and the environment in the area. The NYSDEC open Spill Number attached to the site, reported on January 12, 2018, will remain open until the site cleanup is complete to the satisfaction of the NYSDEC.
- Following correspondence with Mr. Tom Hay, Director of Operations, and the NYSDEC Spill Case Manager, a Remedial Action Work Plan (RAWP) was prepared and is attached to the end of this SI Report in **Appendix 4**. The proposed RAWP will address the intermittent vapor entry problem at the subject property and will remove residual free-phase product from beneath the slab, ultimately eliminating fuel oil vapors from the building. HES will not implement the proposed RAWP without prior approval of the property owner and the Region 3 Office of the NYSDEC.

TABLES

TABLE 1

250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No. 1709377

Summary of Soil Analytical Results - Subsurface Investigation

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	GB-1 (11-12 ftbg) 18C0829-01 3/19/2018 Soil		GB-4 (1 ftbg) 18C0829-02 3/19/2018 Soil		GB-12 (0.5-1 ftbg) 18C0829-03 3/20/2018 Soil	
Compound		Result	Q	Result	Q	Result	Q
Volatile Organics, CP-51 (formerly STARS) List	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		1		1		1	
1,2,4-Trimethylbenzene	3.6	0.00180	U	0.00220	U	0.00190	U
1,3,5-Trimethylbenzene	8.4	0.00180	U	0.00220	U	0.00190	U
Benzene	0.06	0.00180	U	0.00220	U	0.00190	U
Ethyl Benzene	1	0.00180	U	0.00220	U	0.00190	U
Isopropylbenzene	~	0.00180	U	0.00220	U	0.00190	U
Methyl tert-butyl ether (MTBE)	0.93	0.00180	U	0.00220	U	0.00190	U
Naphthalene	12	0.00180	U	0.00220	U	0.0150	
n-Butylbenzene	12	0.00180	U	0.00220	U	0.00190	U
n-Propylbenzene	3.9	0.00180	U	0.00220	U	0.00190	U
o-Xylene	~	0.00180	U	0.00220	U	0.00190	U
p- & m- Xylenes	~	0.00350	U	0.00440	U	0.00380	U
p-Isopropyltoluene	~	0.00180	U	0.00220	U	0.00190	U
sec-Butylbenzene	11	0.00180	U	0.00220	U	0.00190	U
tert-Butylbenzene	5.9	0.00180	U	0.00220	U	0.00190	U
Toluene	0.7	0.00180	U	0.00220	U	0.00190	U
Xylenes, Total	0.26	0.00530	U	0.00660	U	0.00570	U
Semi-Volatiles, CP-51 (formerly STARS) List	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		2		2		2	
Acenaphthene	20	0.0450	U	0.0460	U	0.230	D
Acenaphthylene	100	0.0450	U	0.0460	U	0.0460	U
Anthracene	100	0.0450	U	0.0460	U	0.130	D
Benzo(a)anthracene	1	0.0450	U	0.0460	U	0.0460	U
Benzo(a)pyrene	1	0.0450	U	0.0460	U	0.0460	U
Benzo(b)fluoranthene	1	0.0450	U	0.0460	U	0.0460	U
Benzo(g,h,i)perylene	100	0.0450	U	0.0460	U	0.0460	U
Benzo(k)fluoranthene	0.8	0.0450	U	0.0460	U	0.0460	U
Chrysene	1	0.0450	U	0.0460	U	0.0460	U
Dibenzo(a,h)anthracene	0.33	0.0450	U	0.0460	U	0.0460	U
Fluoranthene	100	0.0450	U	0.0460	U	0.0460	U
Fluorene	30	0.0450	U	0.0580	JD	0.340	D
Indeno(1,2,3-cd)pyrene	0.5	0.0450	U	0.0460	U	0.0460	U
Naphthalene	12	0.0450	U	0.0460	U	0.130	D
Phenanthrene	100	0.0450	U	0.0700	JD	0.460	D
Pyrene	100	0.0450	U	0.0720	JD	0.270	D
Total Solids		%		%		%	
Dilution Factor		1		1		1	
% Solids	~	92.300		90.300		90.500	

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Table 2

250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No. 1709377

Summary of Groundwater Analytical Results - Subsurface Investigation

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	GB-1-TW 18C0829-04 3/20/2018 Water		GB-4-TW 18C0829-05 3/20/2018 Water		GB-5-TW 18C0829-06 3/20/2018 Water	
Compound		Result	Q	Result	Q	Result	Q
Volatile Organics, CP-51 (STARS) Low level	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
1,2,4-Trimethylbenzene	5	0.200	U	0.200	U	0.200	U
1,3,5-Trimethylbenzene	5	0.200	U	0.200	U	0.200	U
Benzene	1	0.200	U	0.200	U	0.200	U
Ethyl Benzene	5	0.200	U	0.200	U	0.200	U
Isopropylbenzene	5	0.200	U	0.200	U	0.200	U
Methyl tert-butyl ether (MTBE)	10	0.200	U	0.200	U	0.200	U
Naphthalene	10	1	U	1.600	J	1	U
n-Butylbenzene	5	0.200	U	0.590		0.200	U
n-Propylbenzene	5	0.200	U	0.200	U	0.200	U
o-Xylene	5	0.200	U	0.200	U	0.200	U
p- & m- Xylenes	5	0.500	U	0.500	U	0.500	U
p-Isopropyltoluene	5	0.200	U	0.420	J	1.200	
sec-Butylbenzene	5	0.200	U	0.400	J	3.600	
tert-Butylbenzene	5	0.200	U	0.200	U	0.220	J
Toluene	5	0.200	U	0.200	U	0.200	U
Xylenes, Total	5	0.600	U	0.600	U	0.600	U
Semi-Volatiles, CP-51 (formerly STARS)-Low Level	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		20	
Acenaphthene	20	0.300		5.560		95.200	U
Acenaphthylene	~	0.0778		2.840		95.200	U
Anthracene	50	0.156		2.530		95.200	U
Benzo(a)anthracene	0.002	0.0556	U	0.222	U	95.200	U
Benzo(a)pyrene	0.002	0.0556	U	0.222	U	95.200	U
Benzo(b)fluoranthene	0.002	0.0556	U	0.222	U	95.200	U
Benzo(g,h,i)perylene	~	0.0556	U	0.222	U	95.200	U
Benzo(k)fluoranthene	0.002	0.0556	U	0.222	U	95.200	U

Table 2

250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No. 1709377

Summary of Groundwater Analytical Results - Subsurface Investigation

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	GB-1-TW 18C0829-04 3/20/2018 Water		GB-4-TW 18C0829-05 3/20/2018 Water		GB-5-TW 18C0829-06 3/20/2018 Water	
Compound		Result	Q	Result	Q	Result	Q
Chrysene	0.002	0.0556	U	**0.267**		95.200	U
Dibenzo(a,h)anthracene	~	0.0556	U	0.222	U	95.200	U
Fluoranthene	50	0.0556	U	0.978		95.200	U
Fluorene	50	0.578		7.510		95.200	U
Indeno(1,2,3-cd)pyrene	0.002	0.0556	U	0.222	U	95.200	U
Naphthalene	10	0.200		1.870		95.200	U
Phenanthrene	50	1.130		2.710		95.200	U
Pyrene	50	0.0889		3.820		95.200	U

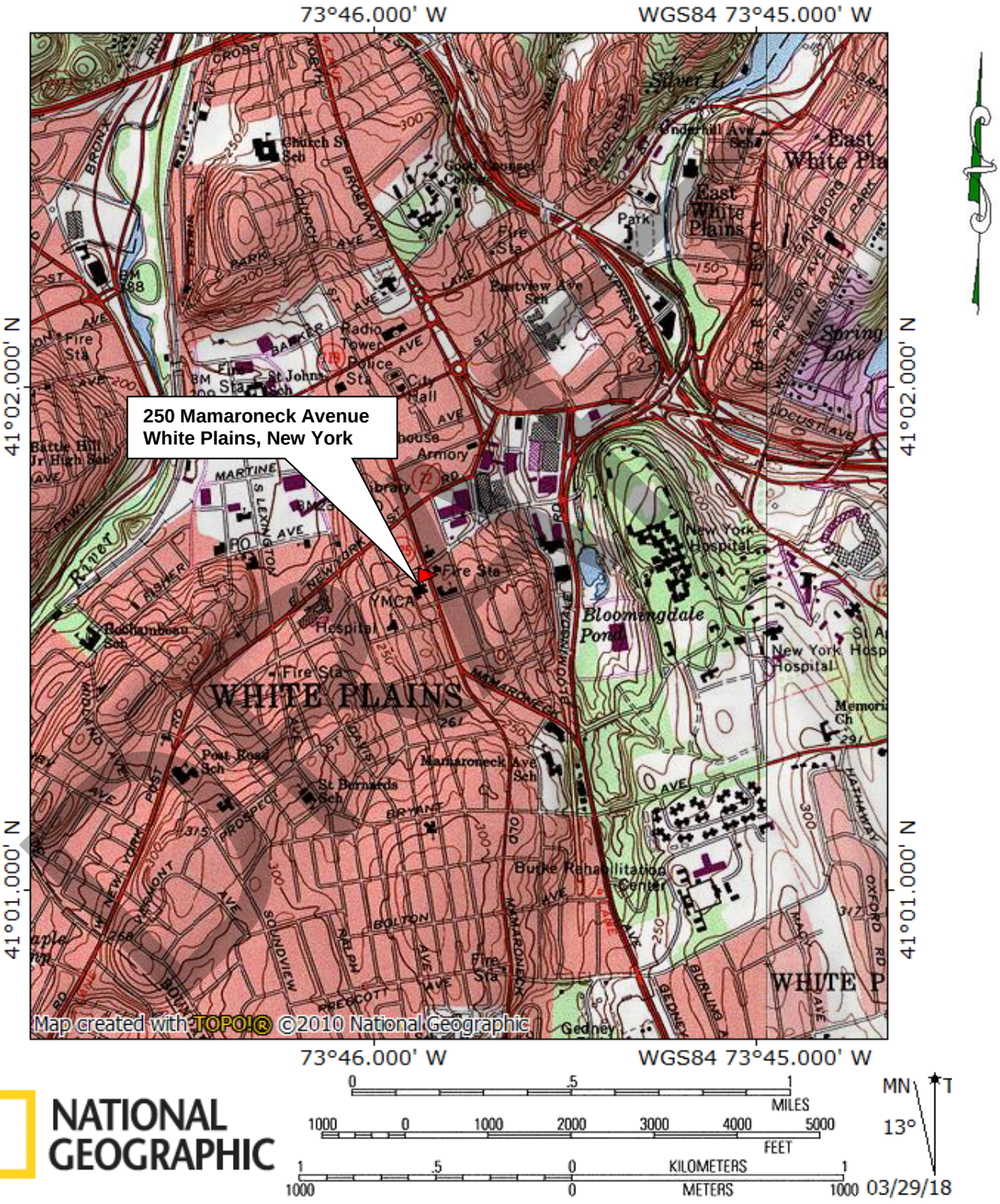
NOTES:
Any Regulatory Exceedences are color coded by Regulation

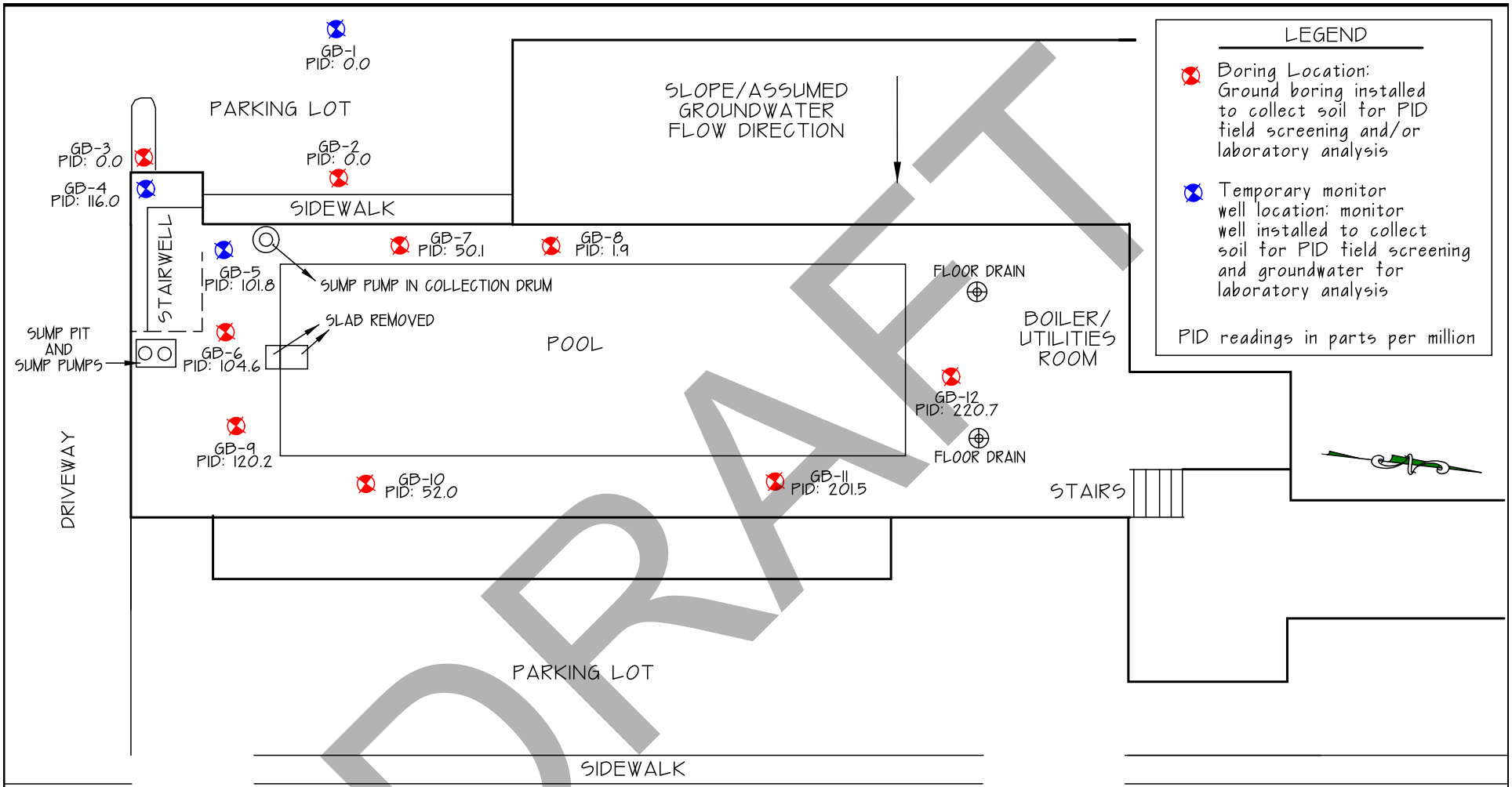
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

FIGURES

Figure 1

Site Location Map





BASEMENT VIEW

MAMARONECK AVENUE

FIGURE 2

WHITE PLAINS YMCA 250 MAMARONECK AVENUE WHITE PLAINS, NEW YORK	GENERALIZED SITE PLAN	NOT TO SCALE / MARCH 2018 SUBSURFACE INVESTIGATION	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589

FIGURE 3

250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No.: 1709377

Photograph taken during drilling activities (GB-1).

Photograph taken during drilling activities (GB-2).

Photographs taken during subsurface investigation activities on March 19 and 20, 2018.
HydroEnvironmental Solutions, Inc., One Deans Bridge Road, Somers, New York 10589

FIGURE 3

250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No.: 1709377

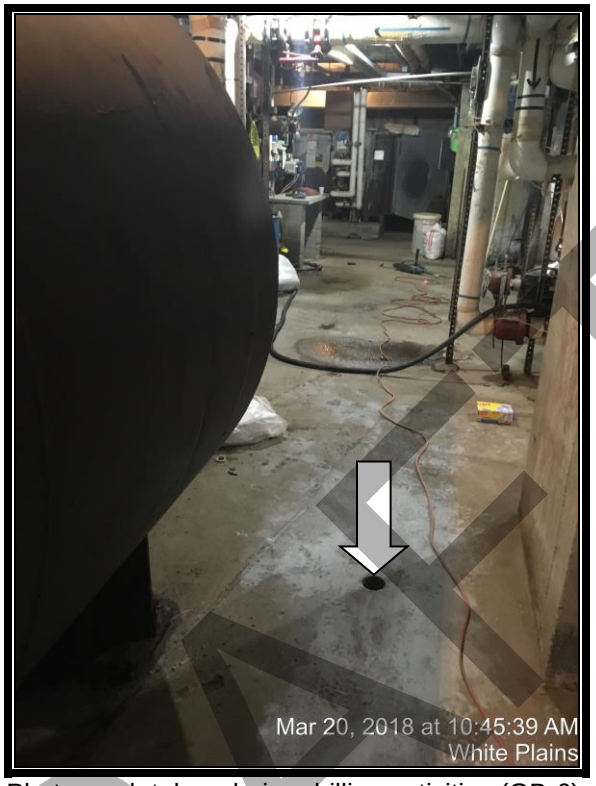
Photograph taken during drilling activities (GB-3).

Photograph taken during drilling activities (GB-5).

Photographs taken during subsurface investigation activities on March 19 and 20, 2018.
HydroEnvironmental Solutions, Inc., One Deans Bridge Road, Somers, New York 10589

FIGURE 3

250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No.: 1709377



Photograph taken during drilling activities (GB-6).

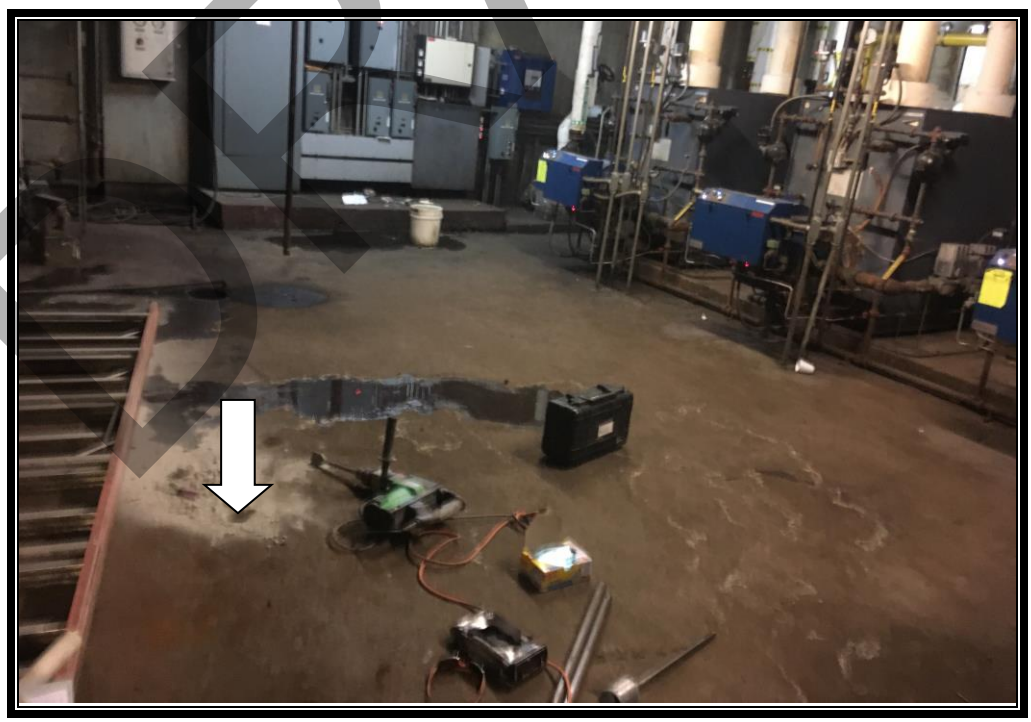
Photograph taken during drilling activities (Orange: GB-7; Blue: GB-8).

Photographs taken during subsurface investigation activities on March 19 and 20, 2018.
HydroEnvironmental Solutions, Inc., One Deans Bridge Road, Somers, New York 10589

FIGURE 3

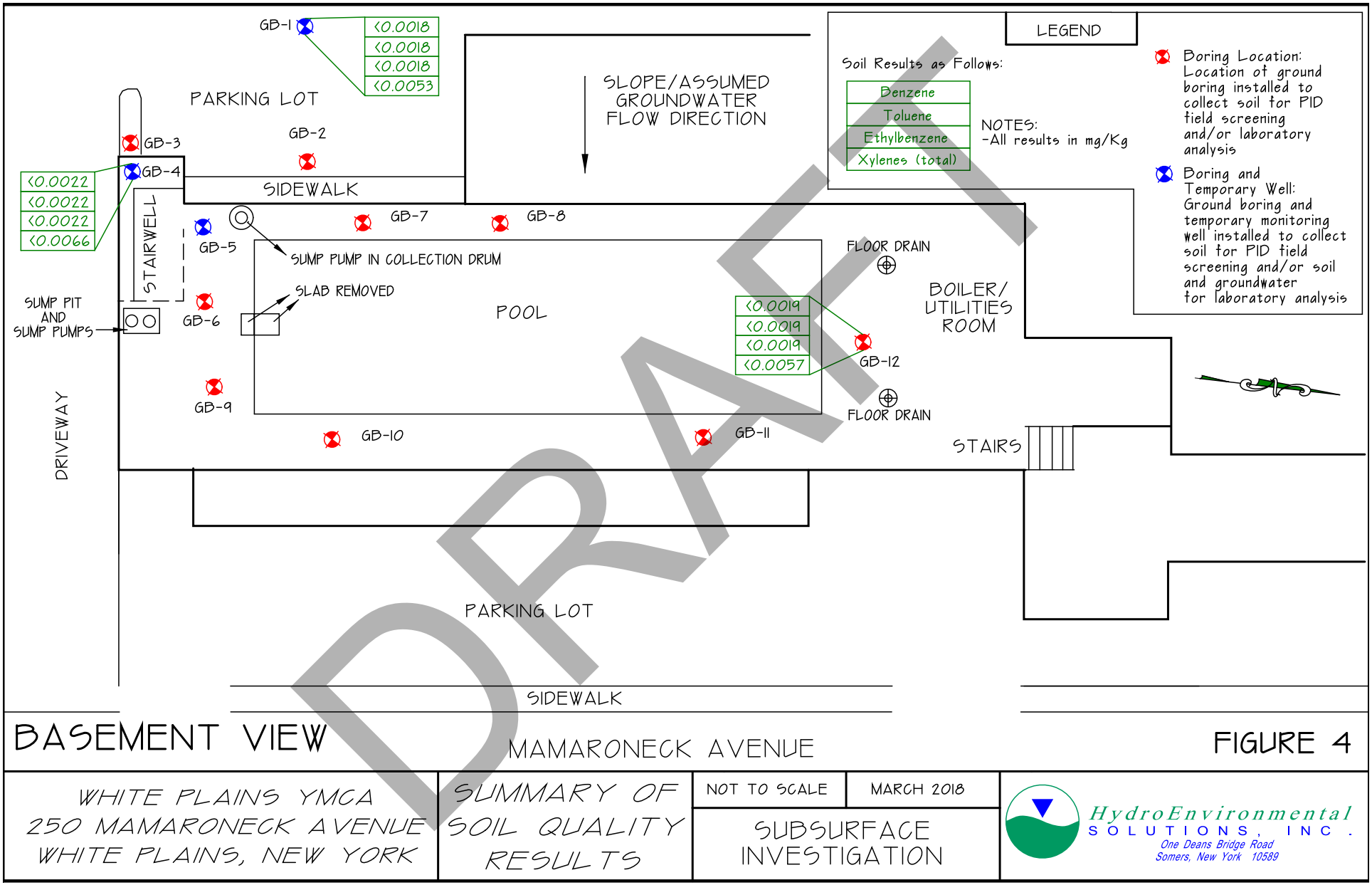
250 Mamaroneck Avenue
White Plains, New York
NYSDEC Spill No.: 1709377

Photograph taken during drilling activities (GB-11).



Photograph taken during drilling activities (GB-12).

Photographs taken during subsurface investigation activities on March 19 and 20, 2018.
HydroEnvironmental Solutions, Inc., One Deans Bridge Road, Somers, New York 10589

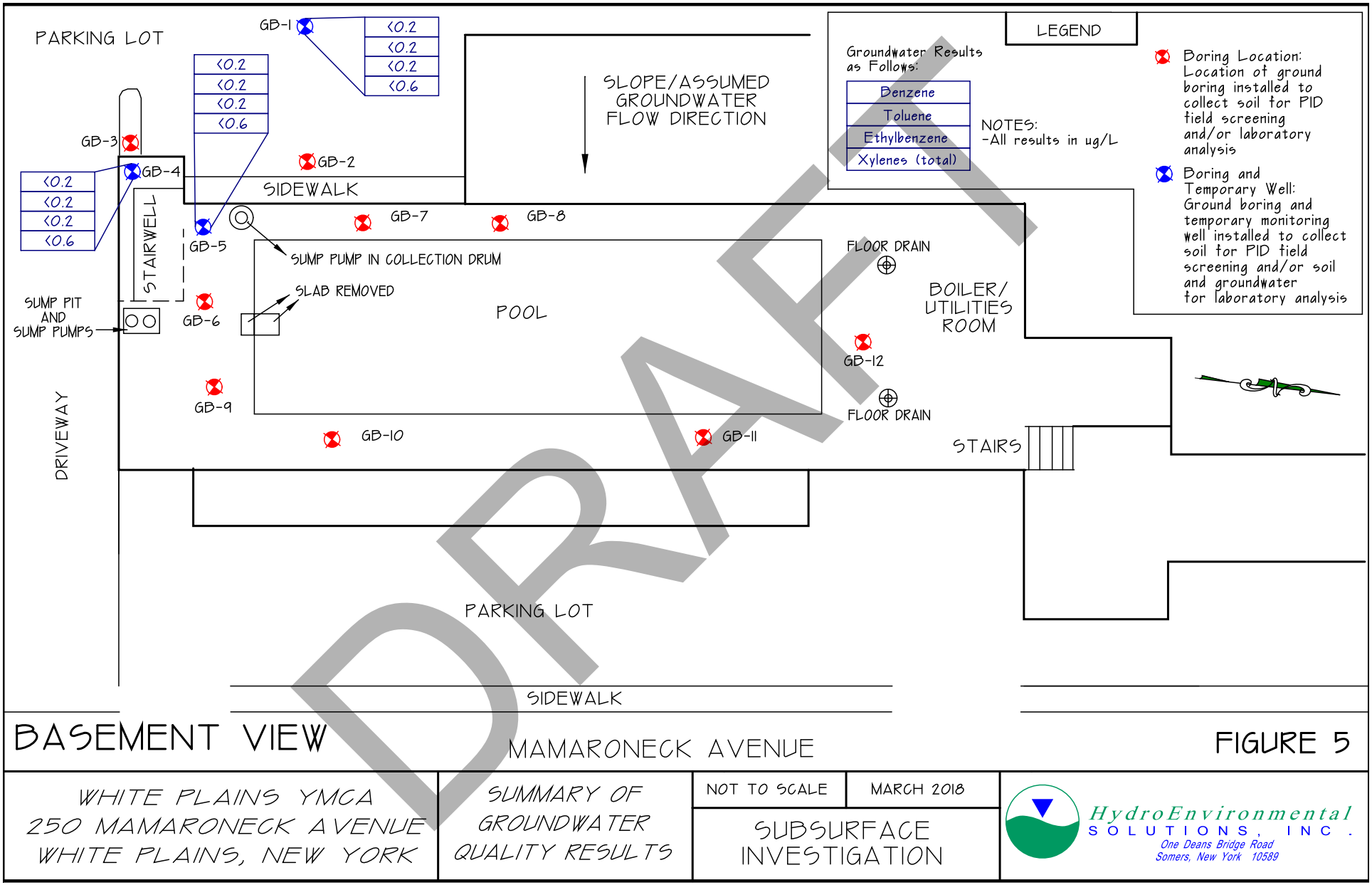


BASEMENT VIEW

MAMARONECK AVENUE

FIGURE 4

WHITE PLAINS YMCA 250 MAMARONECK AVENUE WHITE PLAINS, NEW YORK	SUMMARY OF SOIL QUALITY RESULTS	NOT TO SCALE / MARCH 2018 SUBSURFACE INVESTIGATION	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589



BASEMENT VIEW

MAMARONECK AVENUE

FIGURE 5

WHITE PLAINS YMCA 250 MAMARONECK AVENUE WHITE PLAINS, NEW YORK	SUMMARY OF GROUNDWATER QUALITY RESULTS	NOT TO SCALE / MARCH 2018 SUBSURFACE INVESTIGATION	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589

APPENDICES

APPENDIX 1:

Environmental Documentation Provided for Review

NORTHEAST ENVIRONMENTAL INC.
225 Valley Place
Mamaroneck, NY 10543
(914) 777-1930 Phone
(914) 777-1928 Fax

Petroleum Bulk Storage Tank Closure Report For The White Plains YMCA 250 Mamaroneck Avenue White Plains New York

PBS No. 3-074071
Tank No. 1
NYSDEC Spill Case File Nos. 14-10006 & 15-05596

November 20, 2015

Prepared For:
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Westchester gov.com

Robert P. Astorino
County Executive

Westchester County Department of Health
Office of Environmental Health Risk Control
145 Huguenot Street
New Rochelle, NY 10801
Telephone: 914-813-5161
24-hour Emergency Phone: 914-813-5000

PETROLEUM BULK STORAGE
WORK PERMIT

In accordance with Articles XXV and XXVI of the Westchester County Sanitary Code, this work permit grants permission to modify the referenced Petroleum Bulk Storage facility in the manner listed below.

FACILITY	CONTRACTOR (responsible for PBS compliance and environmental assessment)
PBS No. 3-074071 WHITE PLAINS FAMILY YMCA 250 Mamaroneck Avenue White Plains, NY 106051398 Contact: Thomas Hay Telephone: (914) 450-6131	Northeast Environmental Inc. 225 Valley Place MAMARONECK, NY 10543 Contact: Dwayne Monaco Telephone: (914) 777-1930

WORK TO BE PERFORMED

Type of Work	Tank ID	Capacity	Product
Remove tank	1	12000	1. No. 2 fuel oil

1. THAT this permit is valid for 90 days from issue date.

2. THAT the petroleum bulk storage tank(s) and/or piping shall be installed in accordance with Chapter 873, Articles XXV and XXVI, respectively, of the Laws of Westchester County NY.

3. THAT the facility owner and contractor shall be responsible for the proper installation of the petroleum bulk storage tank(s) and/or piping in accordance with Chapter 873, Articles XXV and XXVI, respectively, of the Laws of Westchester County NY.

4. THAT any changes or modifications to the Petroleum Bulk Storage Work Permit requires filing an application and obtaining a revised work permit to reflect said changes.

5. THAT upon installation of the petroleum bulk storage tank(s) and/or piping, the tank(s) shall remain out of service until such time as a tank testing report(s) satisfactory to the department is received, and an "as built" plan prepared by professional engineer or registered architect in the State of New York is filed with the department which certifies that installation complies with Chapter 873, Articles XXV and XXVI, respectively, of the Laws of Westchester County NY.

Issued by:	Westchester County Department of Health Sherlita Amler, M.D. Commissioner of Health	Issue Date	Expiration Date
		05/01/2015	08/01/2015

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WESTCHESTER COUNTY DEPARTMENT OF HEALTH
OFFICE OF ENVIRONMENTAL HEALTH RISK CONTROL

TANK CLOSURE INSPECTION REPORT

Site: White Plains Family YMCA	NYSDEC Spill No.: 1505596
Address: 250 Mamaroneck Avenue	PBS No.: 3-074071
Town: White Plains / Municipality:	Date of Inspection: 8-26-15
Contractor: Northeast Environmental Inc.	Time of Inspection: 10:20 am

TANK INFORMATION

Tank ID	Capacity	Type	Product Stored	Condition
1	12,000	UST	No. 2 fuel oil	good, no holes

EXCAVATION INFORMATION

Are petroleum odors present?	☑ Y ☐ N	Is contaminated soil stockpiled on site?	☑ Y ☐ N ☐ N/A
Is groundwater present?	☑ Y ☐ N	Is stockpile properly staged?	☑ Y ☐ N ☐ N/A
Is a sheen visible?	☐ Y ☑ N	Was piping removed?	☑ Y ☐ N ☐ Closed in place
Is free product present?	☐ Y ☑ N	Was fill port removed?	☑ Y ☐ N ☐ Capped
Is soil staining visible?	☑ Y ☐ N	Was vent removed?	☑ Y ☐ N
Was contaminated soil excavated?	☑ Y ☐ N	Excavation dimensions:	75 ft x 30 ft

Remarks: A lot of water was present in the tank excavation, according to the contractor on site. It is possibly groundwater. All soil contamination must be removed; and if groundwater is present, it must be sampled.

FURTHER ACTION REQUIRED

Tank Closure Report: Submit to WCDOH. The report must include a description of the work performed, site plan, laboratory results, waste disposal manifests, PBS certificate tank number. Failure to comply is a violation of Section 873.2519 of the Westchester County Sanitary Code.

Contaminated Material: All contaminated material must be removed and properly disposed. Contaminated soil must be removed within 60 days after stockpiling began. Failure to comply is a violation of NYSDEC 6NYCRR Part 360-1.7(b)(4).

Soil Sampling: Sampling must comply with NYSDEC STARS Memo #1. Fuel oil tanks: EPA 8021 and 8270 (base/neutrals) or equivalent. Gasoline tanks: EPA 8021 or equivalent. Required sampling:
Minimum of 5 samples - 4 sidewalls and 1 bottom sample for each 15 feet of trench

Groundwater Sampling: Fuel oil tanks: EPA 624 and EPA 625. Gasoline tanks: EPA 624. Required sampling:
1 sample if any evidence of groundwater contamination (sheen, odor, groundwater within 20 feet of surface)

Other:

I acknowledge receipt of this inspection report. Representative's Signature	Inspector: William Eilbacher	Telephone No.: (914) ~~813-~~ 224-5240

BUILDING PERMIT

CITY OF WHITE PLAINS, N.Y.
DEPARTMENT OF BUILDING
70 Church Street
White Plains, N.Y. 10601
PHONE 914-422-1269 FAX 914-422-1471

Application #: 2015-0067MEC
Permit #: 2015-0067MEC

Permit Type: COM - MEC
Date Issued: 5/4/2015

Site Address: 250 MAMARONECK AVE

Applicant: **Northeast Environmental, Inc.**
225 Valley Place
Mamaroneck NY 10543

SBL #: 130.28-9-3

Inspector: Pete Russo

Description of Work: REMOVAL OF ONE 12,000 GALLON NO. 2 OIL UST TO GAS

Fees:

	Com - Add/Alt	Check No. 35284	$265.00
Estimated Cost	$12000.00	Total Fees:	$265.00

Owner: YMCA
250 MAMARONECK AVE
THOMAS HAY
WHITE PLAINS NY 10605

Builder/Contractor
Northeast Environmental, Inc.
225 Valley Place
Mamaroneck NY 10543

Tel # 914 777 1930 Lic #

Commissioner of Building

Code Enforcement Officer

NOTE: **THIS PERMIT AND THE APPROVED PLANS MUST BE KEPT AT THE JOB. THIS PERMIT DOES NOT REPLACE ANY OTHER REQUIRED PERMITS. THE BUILDING CODE REQUIRES THAT NOTICE BE GIVEN TO THE CODE ENFORCEMENT OFFICER FOR ALL MANDATORY INSPECTIONS AS FOLLOWS: EXCAVATION, FOOTINGS, FOUNDATIONS, ALL CONCRETE POURS, FRAME & MASONRY, INSULATION, ELECTRICAL, MECHANICAL, INSTALLATION AND FINAL INSPECTION. THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT STARTED WITHIN 6 MONTHS FROM THE DATE OF ISSUE.**

NOTE: THE ISSUANCE OF THIS PERMIT SHALL NOT PREVENT THE COMMISSIONER OF BUILDING FROM THEREAFTER REQUIRING A CORRECTION OF ERRORS IN PLANS OR IN CONSTRUCTION, OR OF VIOLATIONS OF THE WHITE PLAINS BUILDING CODE, ZONING ORDINANCE OR OTHER APPLICABLE CODES.

IMPORTANT

THIS PERMIT MUST BE KEPT IN FULL VIEW ON THE JOB SITE

NORTHEAST ENVIRONMENTAL INC.
225 Valley Place
Mamaroneck, NY 10543
(914) 777-1930 Phone
(914) 777-1928 Fax

On August 24th of 2015 Northeast Environmental Inc. (Northeast) mobilized crew and equipment to 250 Mamaroneck Avenue in The City of White Plains New York. The site is located in a lite commercial and residential area, consisting of a multi-story block and brick building. The site and the surrounding sites utilize potable municipal water and municipal sewage systems.

In January of 2015, the 12,000-gallon No.2 fuel oil Underground Storage Tank (UST) maintained on site had failed a tightness test and in turn the New York State Department of Environmental Conservation (NYSDEC) spill case file No.14-10006 was generated. Northeast was contracted for the removal of the UST which was located within the East asphalt parking lot parallel to Mamaroneck Avenue.

By way of the surface man way, the interior of the UST was accessed and cleaned of all fuel oil and residual sludge prior to its removal. Overburden soils were then removed from the top and perimeters of the UST in order facilitate its removal. Once removed it was observed that the UST appeared to be intact with no visible signs of holes. The fuel oil service lines leading from the tank to the interior of the building were observed to have been leaking and impacting the surrounding soils. The NYSDEC was notified of Northeast's findings and the spill case file No.14-15-05596 was assigned to the project.

During the UST removal process, an unforeseen underground storm water drainage line located parallel and adjacent to the tank was disturbed. The drain line is connected to the roof and parking lot drainage systems and was constricted of concrete pipe sections. Although not damaged, due to the close proximity of the tank, the sections of pipe disconnected from one another due shifting soils. In turn the water infiltrated the excavation and became impacted with petroleum contaminates. Northeast utilized a vacuum truck to recover the water and properly dispose of the liquids off site. A total of 2,514-gallons of impacted water was recovered and disposed of at Clean Waters of New York located in Staten Island New York.

Potential petroleum impacted soils were excavated and field screened with a MiniRAE 2000 Portable Volatile Organic Contaminate meter (aka: PID meter). Soils found to have a PID reading in excess of 10 parts per million (ppm) were segregated, and properly disposed of off-site. A total of 422.75 tons of petroleum impacted soils were removed, transported and disposed of at Soil Safe Inc. Metro of Carteret New Jersey.

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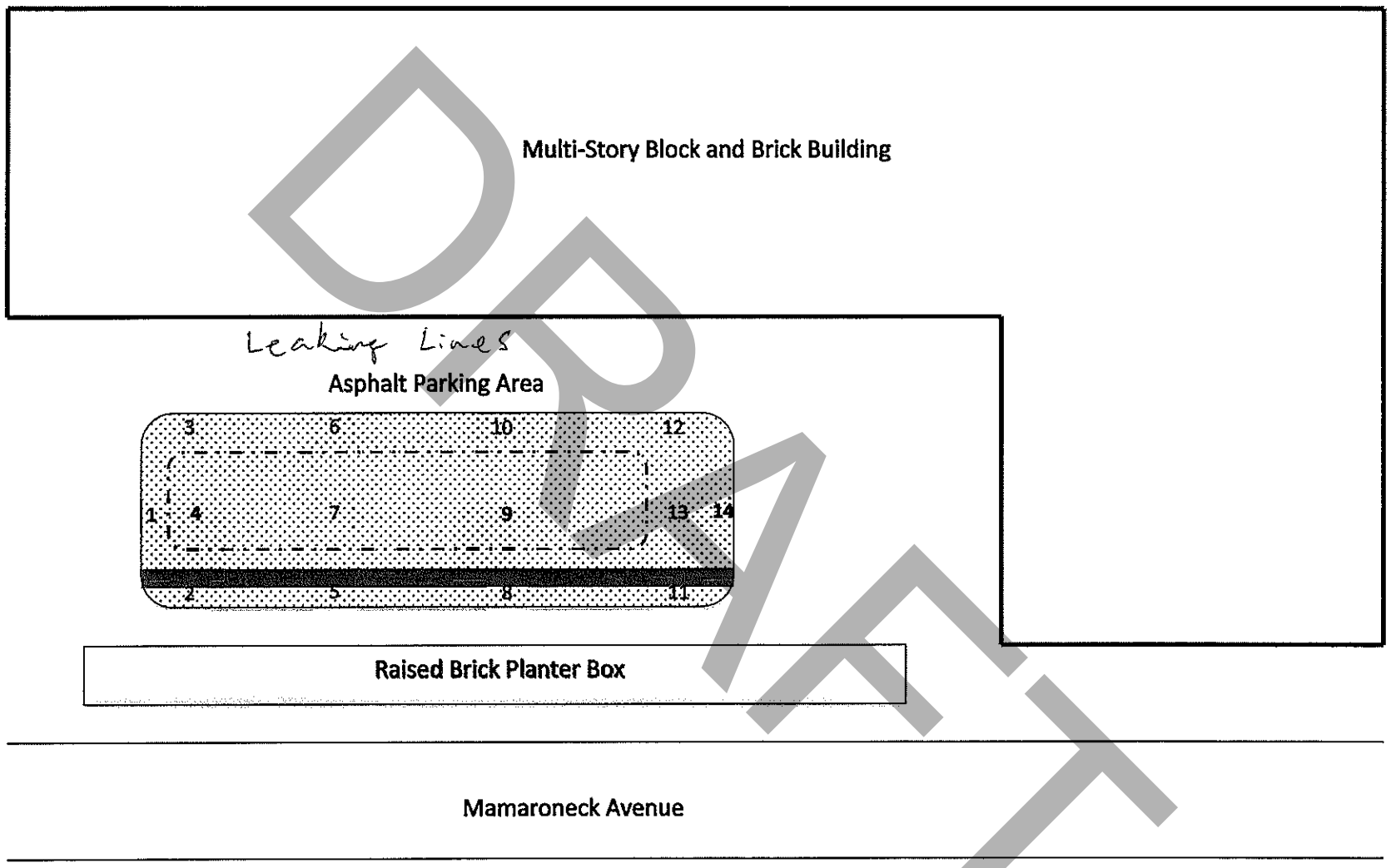
Per the Westchester County Department of Health (WCDH) directive, post excavation soil sampling was to be conducted along the base and sidewalls of the final excavation for a total of fourteen (14) sampling locations. Collected soil samples were jarred and delivered to a NYS certified laboratory and analyzed according to NYSDEC protocol. Analytical results were then compared to NYSDEC CP-51 Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) Soil Cleanup Criteria Table. No petroleum related VOCs or SVOCs were observed to be detected in excess of the NYSDEC guidance with in the post excavation soil samples.

In conclusion, Northeast has removed the existing 12,000-gallon UST and associated petroleum impacted soils. Post excavation soil samples were observed to be free of petroleum contaminates in excess of the NYS DEC standards. In turn no further remedial work is deemed necessary and the NYSDEC spill case files should be made inactive.

With the removal of the UST and the complex converted to natural gas as a heating fuel source, no fuel oil storage tank in excess of 1,100-gallons is maintained on site. In turn, the site should be made inactive as a PBS facility.



Northeast Environmental Inc.
225 Valley Place
Mamaroneck NY 10543
(914) 777-1930

Site sketch of excavated area and post excavation soil sampling locations.
Note: Not to scale, for reference only.

KEY:

- EXCAVATION POST PETROLEUM CONTAMINATED SOIL REMOVAL (APPROX. 45'L X 20' W X 15' D)
- LOCATION OF REMOVED 12,000-GALLON UST
- CONCRETE STORM WATER DRAIN PIPE

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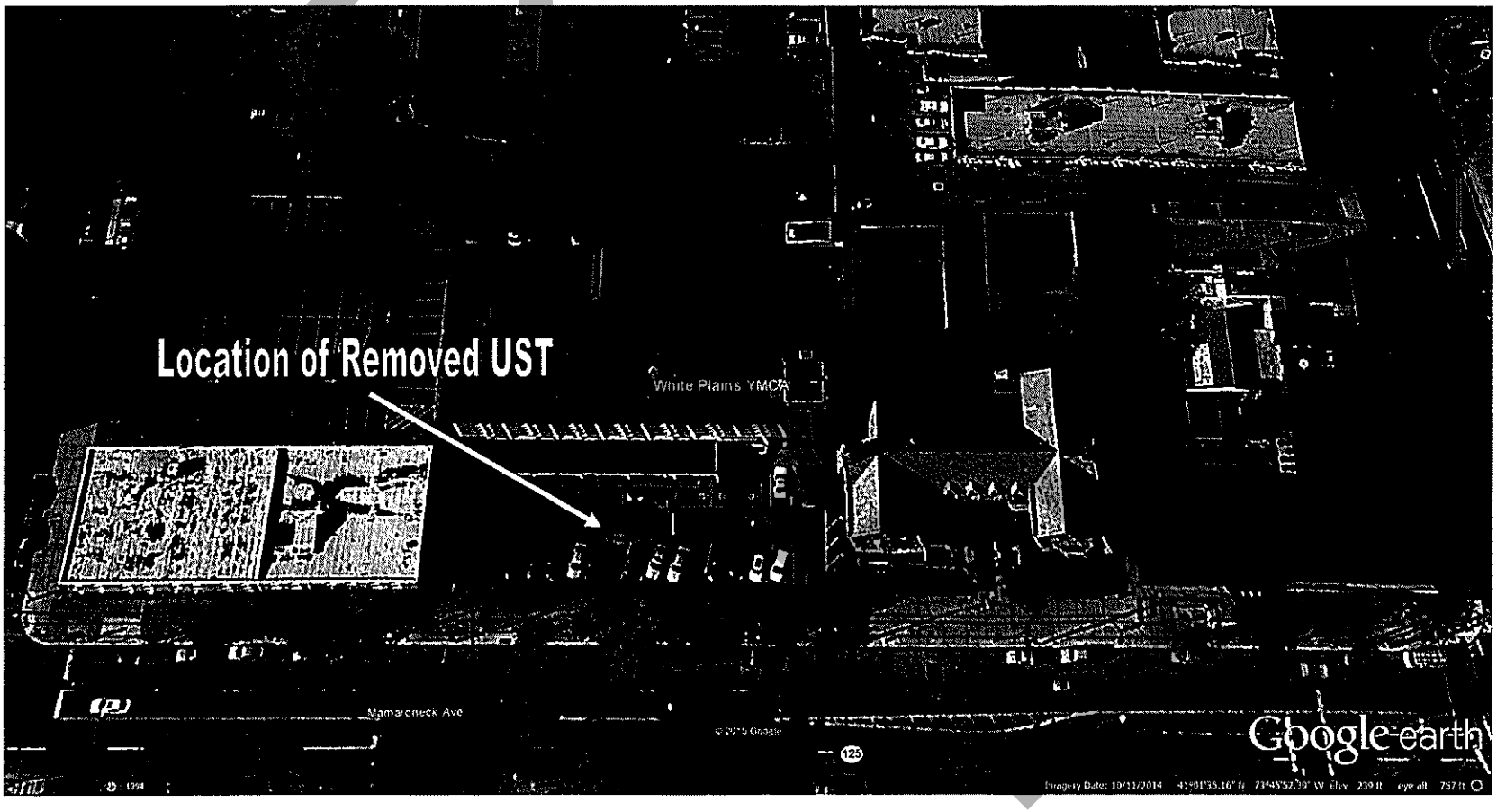

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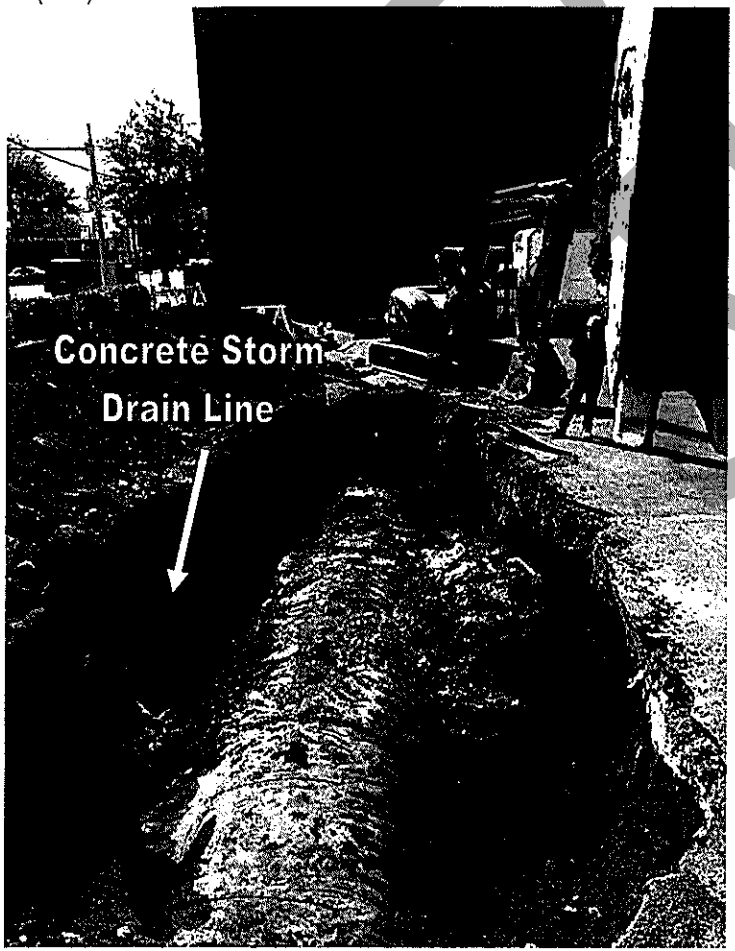

OVERBURDENS REMOVED FROM UST

UST BEING REMOVED FROM ITS EXCAVTION

NORTHEAST ENVIRONMENTAL INC.
225 Valley Place
Mamaroneck, NY 10543
(914) 777-1930 Phone
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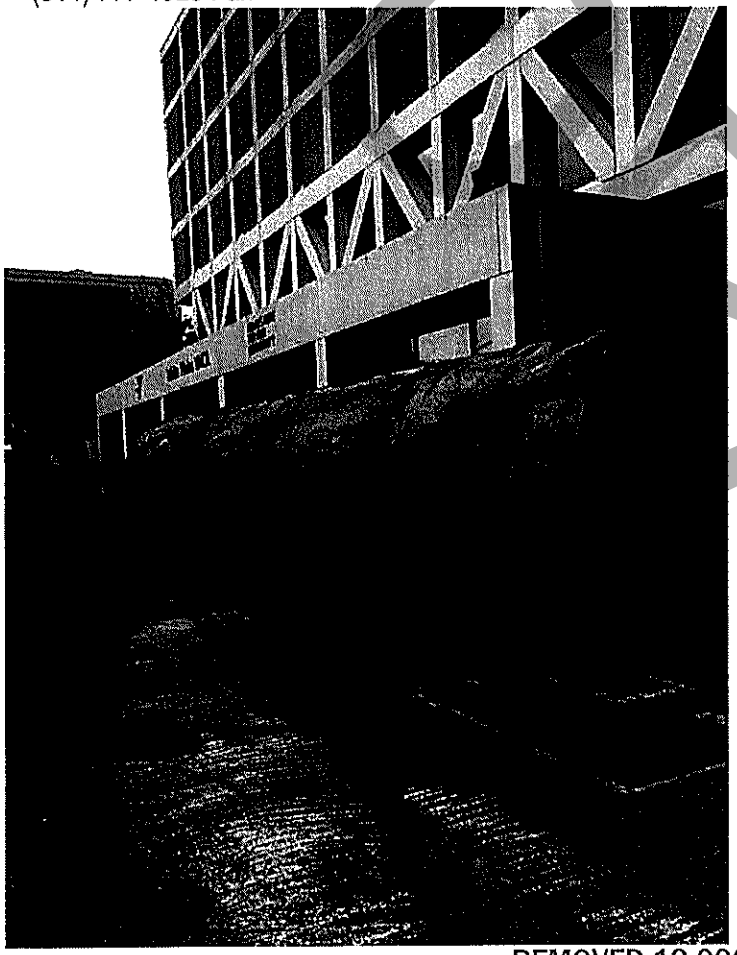
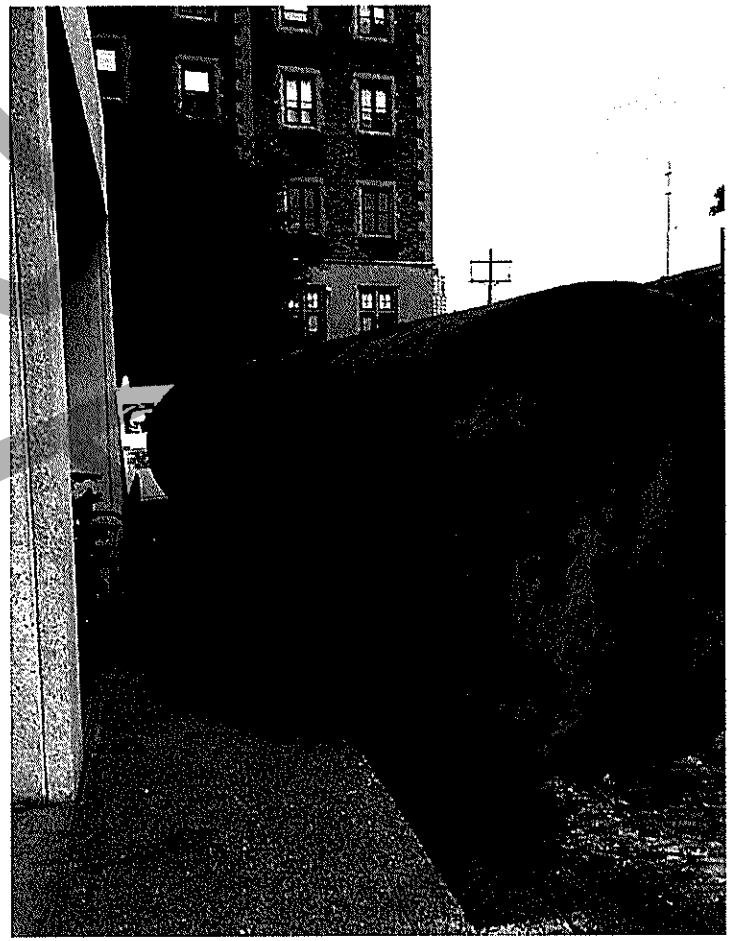




REMOVED 12,000-GALLON UST

Technical Report

prepared for:

Northeast Environmental Inc.
225 Valley Place
Mamaroneck NY, 10543
Attention: Mr. Dwayne Monaco

Report Date: 09/18/2015
Client Project ID: White Plains YMCA 250 Mamaroneck Ave White Plains
York Project (SDG) No.: 15I0443

Report Date: 09/18/2015
Client Project ID: White Plains YMCA 250 Mamaroneck Ave White Plains
York Project (SDG) No.: 15I0443

Northeast Environmental Inc.
225 Valley Place
Mamaroneck NY, 10543
Attention: Mr. Dwayne Monaco

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 September 14, 2015 and listed below. The project was identified as your project: **White Plains YMCA 250 Mamaroneck Ave White Plains.**

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.

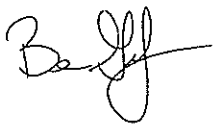
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15I0443-01	1	Soil	09/09/2015	09/14/2015
15I0443-02	2	Soil	09/09/2015	09/14/2015
15I0443-03	3	Soil	09/09/2015	09/14/2015
15I0443-04	4	Soil	09/09/2015	09/14/2015
15I0443-05	5	Soil	09/09/2015	09/14/2015
15I0443-06	6	Soil	09/09/2015	09/14/2015
15I0443-07	7	Soil	09/09/2015	09/14/2015
15I0443-08	8	Soil	09/09/2015	09/14/2015
15I0443-09	9	Soil	09/09/2015	09/14/2015
15I0443-10	10	Soil	09/09/2015	09/14/2015
15I0443-11	11	Soil	09/09/2015	09/14/2015
15I0443-12	12	Soil	09/09/2015	09/14/2015
15I0443-13	13	Soil	09/09/2015	09/14/2015
15I0443-14	14	Soil	09/09/2015	09/14/2015

General Notes for York Project (SDG) No.: 15I0443

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: 

Date: 09/18/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID:	1			York Sample ID:	15I0443-01
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 02:33	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 02:33	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications:	09/15/2015 17:00 NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854	09/16/2015 02:33	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854	09/16/2015 02:33	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	09/16/2015 02:33	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 02:33	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C Certifications:	09/15/2015 17:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 02:33	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*117 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.3 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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

Sample Information

Client Sample ID:	1			York Sample ID:	15I0443-01
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
85-01-8	Phenanthrene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	47	94	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*39.4 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*40.5 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*40.2 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT Sample Notes:

Sample Prepared by Method: % Solids Prep

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

Sample Information

Client Sample ID: 1 **York Sample ID:** 15I0443-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Total Solids **Log-in Notes:** VOA-CONT **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	89.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:38	09/16/2015 12:06	KK

Sample Information

Client Sample ID: 2 **York Sample ID:** 15I0443-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List **Log-in Notes:** VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 17:00	09/16/2015 03:15	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 17:00	09/16/2015 03:15	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	09/15/2015 17:00	09/16/2015 03:15	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	09/15/2015 17:00	09/16/2015 03:15	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:15	BK

Sample Information

Client Sample ID: 2 **York Sample ID:** 15I0443-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:15	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:15	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:15	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.3 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 13:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 2 **York Sample ID:** 15I0443-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 13:45	KH
129-00-0	Pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 13:45	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*50.0 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.1 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*48.0 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	90.3		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:38	09/16/2015 12:06	KK

Sample Information

Client Sample ID: 3 **York Sample ID:** 15I0443-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:57	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:57	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 17:00	09/16/2015 03:57	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 17:00	09/16/2015 03:57	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:57	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:57	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 03:57	BK

Sample Information

Client Sample ID:	3			York Sample ID:	15I0443-03
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	09/15/2015 17:00	09/16/2015 03:57	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 3 **York Sample ID:** 15I0443-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	Phenanthrene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	09/16/2015 14:10	09/17/2015 16:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*50.0 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.0 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*46.1 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	90.2		%	0.100	0.100	1	SM 2540G	09/15/2015 11:38	09/16/2015 12:06	KK
								Certifications: CTDOH			

Sample Information

Client Sample ID: 4 **York Sample ID:** 15I0443-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID:	4			York Sample ID:	15I0443-04
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT 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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 04:40	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.5 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 17:10	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 17:10	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 4 **York Sample ID:** 15I0443-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
218-01-9	Chrysene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
206-44-0	Fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
86-73-7	Fluorene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
91-20-3	Naphthalene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	09/16/2015 14:10	09/17/2015 17:10	KH
85-01-8	Phenanthrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH
129-00-0	Pyrene	ND		ug/kg dry	46	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 17:10	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.1 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.1 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.5 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	91.3		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:38	09/16/2015 12:06	KK

Sample Information

Client Sample ID: 5 **York Sample ID:** 15I0443-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 05:22	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*110 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.2 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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

Sample Information

Client Sample ID: 5 **York Sample ID:** 15I0443-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
120-12-7	Anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
218-01-9	Chrysene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
86-73-7	Fluorene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
91-20-3	Naphthalene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP	09/17/2015 17:44	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH
129-00-0	Pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications:	09/16/2015 14:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/17/2015 17:44	KH

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*22.4 %*	S-08	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*30.5 %*		*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*42.2 %*		*19-99*

Total Solids

Log-in Notes: VOA-CONT **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

Sample Information

Client Sample ID: 5 **York Sample ID:** 15I0443-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Total Solids **Log-in Notes:** VOA-CONT **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	91.9		%	0.100	0.100	1	SM 2540G	09/15/2015 11:38	09/16/2015 12:06	KK
								Certifications: CTDOH			

Sample Information

Client Sample ID: 6 **York Sample ID:** 15I0443-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List **Log-in Notes:** VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 6 **York Sample ID:** 15I0443-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:04	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*110 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.4 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 6 **York Sample ID:** 15I0443-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:18	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*35.9 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*35.6 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*38.6 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	91.6		%	0.100	0.100	1	SM 2540G	09/15/2015 11:38	09/16/2015 12:06	KK
								Certifications: CTDOH			

Sample Information

Client Sample ID: 7 **York Sample ID:** 15I0443-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 7 **York Sample ID:** 15I0443-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 06:46	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 7 **York Sample ID:** 15I0443-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	Phenanthrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 18:51	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*1.07 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*35.7 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*42.5 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	91.6		%	0.100	0.100	1	SM 2540G	09/15/2015 11:38	09/16/2015 12:06	KK
								Certifications: CTDOH			

Sample Information

Client Sample ID: 8 **York Sample ID:** 15I0443-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID:	8			York Sample ID:	15I0443-08
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 07:29	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.4 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 8 **York Sample ID:** 15I0443-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
218-01-9	Chrysene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
86-73-7	Fluorene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
91-20-3	Naphthalene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	09/16/2015 14:10	09/17/2015 19:25	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH
129-00-0	Pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 19:25	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.0 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.1 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*49.0 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:38	09/16/2015 12:06	KK

Sample Information

Client Sample ID: 9 **York Sample ID:** 15I0443-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:11	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*110 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.0 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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

Sample Information

Client Sample ID: 9 **York Sample ID:** 15I0443-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
85-01-8	Phenanthrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 19:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.6 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*39.8 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*41.2 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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

Sample Information

Client Sample ID: 9 **York Sample ID:** 15I0443-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Total Solids **Log-in Notes:** VOA-CONT **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	91.5		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:38	09/16/2015 12:06	KK

Sample Information

Client Sample ID: 10 **York Sample ID:** 15I0443-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List **Log-in Notes:** VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 17:00	09/16/2015 08:52	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 17:00	09/16/2015 08:52	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	09/15/2015 17:00	09/16/2015 08:52	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	09/15/2015 17:00	09/16/2015 08:52	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 17:00	09/16/2015 08:52	BK

Sample Information

Client Sample ID: 10 **York Sample ID:** 15I0443-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	09/15/2015 17:00	09/16/2015 08:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.7 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 10 **York Sample ID:** 15I0443-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 20:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*46.4 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.6 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*44.6 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	92.4		%	0.100	0.100	1	SM 2540G	09/15/2015 11:38	09/16/2015 12:06	KK
								Certifications: CTDOH			

Sample Information

Client Sample ID: 11 **York Sample ID:** 15I0443-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 11 **York Sample ID:** 15I0443-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	09/15/2015 16:59	09/16/2015 03:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*92.3 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 11 **York Sample ID:** 15I0443-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	Phenanthrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/kg dry	46	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*40.9 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*30.4 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*35.4 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	91.6		%	0.100	0.100	1	SM 2540G	09/15/2015 11:38	09/16/2015 12:06	KK
								Certifications: CTDOH			

Sample Information

Client Sample ID: 12 **York Sample ID:** 15I0443-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID:	12			York Sample ID:	15I0443-12
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT 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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:25	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*93.8 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.3 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:37	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	45	90	2	EPA 8270D	09/16/2015 14:10	09/17/2015 21:37	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 12 **York Sample ID:** 15I0443-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
218-01-9	Chrysene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
86-73-7	Fluorene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
91-20-3	Naphthalene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	09/16/2015 14:10	09/17/2015 21:37	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH
129-00-0	Pyrene	ND		ug/kg dry	45	90	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 21:37	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*65.0 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.2 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.4 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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	92.2		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:28	09/16/2015 12:13	KK

Sample Information

Client Sample ID:	13			York Sample ID:	15I0443-13
York Project (SDG) No.	Client Project ID		Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains		Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: NELAC-NY10854,NJDEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	09/15/2015 16:59	09/16/2015 04:59	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.3 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.6 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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

Sample Information

Client Sample ID: 13 **York Sample ID:** 15I0443-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
85-01-8	Phenanthrene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.3 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*28.1 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.9 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **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

Sample Information

Client Sample ID: 13 **York Sample ID:** 15I0443-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Total Solids

Log-in Notes: VOA-CONT **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	92.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	09/15/2015 11:28	09/16/2015 12:13	KK

Sample Information

Client Sample ID: 14 **York Sample ID:** 15I0443-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
95-63-6	1,2,4-Trimethylbenzene	18		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
108-67-8	1,3,5-Trimethylbenzene	49		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 16:59	09/16/2015 05:34	SS
100-41-4	Ethyl Benzene	17		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 16:59	09/16/2015 05:34	SS
98-82-8	Isopropylbenzene	25		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
104-51-8	n-Butylbenzene	49		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
103-65-1	n-Propylbenzene	39		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
95-47-6	o-Xylene	16		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	09/15/2015 16:59	09/16/2015 05:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	09/15/2015 16:59	09/16/2015 05:34	SS
99-87-6	p-Isopropyltoluene	37		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
135-98-8	sec-Butylbenzene	55		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/15/2015 16:59	09/16/2015 05:34	SS

Sample Information

Client Sample ID: 14 **York Sample ID:** 15I0443-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **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
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 16:59	09/16/2015 05:34	SS
1330-20-7	**Xylenes, Total**	**20**		ug/kg dry	8.1	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/15/2015 16:59	09/16/2015 05:34	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.5 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*114 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
120-12-7	Anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
218-01-9	Chrysene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
86-73-7	**Fluorene**	**380**		ug/kg dry	45	91	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH
91-20-3	**Naphthalene**	**56**	J	ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	09/16/2015 14:10	09/17/2015 22:43	KH
85-01-8	**Phenanthrene**	**820**		ug/kg dry	45	91	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/16/2015 14:10	09/17/2015 22:43	KH

Sample Information

Client Sample ID: 14 **York Sample ID:** 15I0443-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15I0443	White Plains YMCA 250 Mamaroneck Ave White Plains	Soil	September 9, 2015 3:00 pm	09/14/2015

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/kg dry	45	91	2	EPA 8270D	09/16/2015 14:10	09/17/2015 22:43	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.0 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*37.8 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*49.9 %*	*19-99*

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	0.100	1	SM 2540G	09/15/2015 11:28	09/16/2015 12:13	KK
								Certifications: CTDOH			

YORK
ANALYTICAL LABORATORIES INC

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15I0443-01	1	2 oz. WM Clear Glass Cool to 4° C
15I0443-02	2	2 oz. WM Clear Glass Cool to 4° C
15I0443-03	3	2 oz. WM Clear Glass Cool to 4° C
15I0443-04	4	2 oz. WM Clear Glass Cool to 4° C
15I0443-05	5	2 oz. WM Clear Glass Cool to 4° C
15I0443-06	6	2 oz. WM Clear Glass Cool to 4° C
15I0443-07	7	2 oz. WM Clear Glass Cool to 4° C
15I0443-08	8	2 oz. WM Clear Glass Cool to 4° C
15I0443-09	9	2 oz. WM Clear Glass Cool to 4° C
15I0443-10	10	2 oz. WM Clear Glass Cool to 4° C
15I0443-11	11	2 oz. WM Clear Glass Cool to 4° C
15I0443-12	12	2 oz. WM Clear Glass Cool to 4° C
15I0443-13	13	2 oz. WM Clear Glass Cool to 4° C
15I0443-14	14	2 oz. WM Clear Glass Cool to 4° C

Notes and Definitions

VOA-CONT NON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.

S-08 The recovery of this surrogate was outside of QC limits.

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.

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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
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. 15I0443

YOUR Information

Company: Northeast Environmental
Address: 225 Valley Place
Mamaroneck NY 10543
Phone No. 914-777-1930
Contact Person: Dwayne Monaco
E-Mail Address: dm@northeastenvironmental.com

Report To:

Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

White Plains YMCA
250 Mamaroneck Ave
White Plains NY

Purchase Order No.

1659-15c

Samples from: CT___ NY X NJ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ■

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

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):

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)

Rafael

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 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-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	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)
1	09-09-2015	S	CP-51 8260 and 8270	2oz. and 4oz. glass jars
2		S		
3		S		
4		S		
5		S		
6		S		
7		S		
8		S		
9		S		
10		S		

Comments

Preservation Check those Applicable: 4°C ✓ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___ ZnAc___ Ascorbic Acid___ Other___

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 9-14-15

Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 9-14-15 9:10

Samples Received in LAB by — Date/Time: 9/14/15 1503

Temperature on Receipt 3.9 °C

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. 15I0443

YOUR Information
Company: Northeast Environmental
Address: 225 Valley Place
Mamaroneck NY 10543
Phone No. 914-777-1930
Contact Person: Dwayne Monaco
E-Mail Address: dm@northeastenvironmental.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
White Plains YMCA
250 Mamaroneck Ave
White Plains NY

Purchase Order No.
1659-15c

Samples from: CT ___ NY X NJ ___

Turn-Around Time
RUSH - Same Day ☐
RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐
Standard(5-7 Days) ■

Report Type
Summary Report X
Summary w/ QA Summary ___
CT RCP Package ___
CTRCP DQA/DUE Pkg ___
NY ASP A Package ___
NY ASP B Package ___
NJDEP Red. Deliv. ___
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):

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)
Rafael
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 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	Part 360-Expanded Vol Headspace	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Hnlog.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)
11	09-09-2015	S	CP-51 8260 and 8270	2oz. and 4oz. glass jars
12		S		
13		S		
14		S		

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	9-14-15		9-14-15 9:10
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		TC	9/14/15 1503

Temperature on Receipt 3.9 °C

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 17 19174

GENERATOR

Generator Name White Plains YMCA
Address 250 Mamaroneck Ave White Plains NY
Phone No.

Shipping Location Same
Address
Phone No.

Approval Number M-6 0306

Description of Material: Non Haz Contaminated Soil

ID 338 GROSS
GROSS 39.16 TN TARE
TARE 14.14 TN RECALLED
NET 25.02 TN NET
09/17/2015 09:58AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Richard Gurgens Signature 9/17/15 Shipment Date

TRANSPORTER

Transporter Name P.A CARSILLO & SONS
Address 40 DEFOREST AVE E. HANOVER NJ

Driver Name (Print) Hugo Nunez
Vehicle License No./State AS292F
Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 9.17.15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 9.17.15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent TR Signature 9/17/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 14 18007

GENERATOR

Generator Name White Plains YMCA. Shipping Location SAME

Address 250 Mamaroneck Ave Address

White Plains, NY. 10605

Phone No. Phone No.

Approval Number mb-0306

Description of Material: NON-HAZ Contaminated Soil

ID 326

GROSS	30.91 TN		GROSS
TARE	14.57 TN	RECALLED	TARE
NET	16.34 TN		NET

09/17/2015 09:43AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Rebekah Gourley Signature 9-17-15 Shipment Date

TRANSPORTER

Transporter Name P.A. Carsillo & Sons Driver Name (Print) Tom

Address East Orange NJ. Vehicle License No./State AP562U

Truck Number 21

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 9-17-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 9-17-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

TR Name of Authorized Agent Signature 9/17/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 3 17987

GENERATOR

Generator Name White Plains YMCA. Shipping Location _____

Address 250 Mamaroneck Ave Address _____

White Plains NY _____

Phone No. _____ Phone No. _____

Approval Number: MG-0306

Description of Material: NON HAZARDOUS CONTAMINATED SOIL

ID 14 GROSS

GROSS 24.70 TN TARE

TARE 14.50 TN RECALLED NET

NET 10.20 TN

09/11/2015 07:43AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Richard Gonzalez 9/11/15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name NICKABELLAS Driver Name (Print) Yonny Vasco

Address 52 N. Dell Ave Vehicle License No./State AP964W (EH)

Kenvil NJ Truck Number #11

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

TR — Name of Authorized Agent

Signature

9/11/15 — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 3 18024

GENERATOR

Generator Name White Plains YMCA Shipping Location Same

Address 250 Mamaroneck Ave Address

White Plains, NY

Phone No. Phone No.

Approval Number	Description of Material
MB 0306	NON HAZARDOUS CONTAMINATED SOIL

ID 327

GROSS	39.01 TN	GROSS
TARE	13.58 TN RECALLED	TARE
NET	25.43 TN	NET
09/17/2015 09:13AM		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name ________ Signature [signature] Shipment Date 9/17/15

TRANSPORTER

Transporter Name P.A. Carsillo & Sons Driver Name (Print) Orlando Jackson

Address PO Deforest Ave Vehicle License No./State AM57ZU-NJ

E. Hanover, NJ Truck Number 17 MSS#327

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature [signature] Shipment Date 9-17-15

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [signature] Delivery Date 9-17-15

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent TR Signature [signature] Receipt Date 9/17/15

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 18038

GENERATOR

Generator Name White Plains YMCA
Address 250 Mamaroneck Ave. White Plains, NY 10605
Phone No.

Shipping Location White Plains
Address 250 Mamaroneck Ave. White Plains NY 10605
Phone No.

Approval Number M-2 0306

Description of Material: Non-Hazardous Contaminated Soil

ID 330
GROSS 40.71 TN
TARE 14.50 TN RECALLED
NET 26.21 TN
03/17/2015 08:47AM

GROSS
TARE
NET
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature 9/17/15 Shipment Date

TRANSPORTER

Transporter Name Carsillo
Address E. Orange
Driver Name (Print) Alejandro Vargas
Vehicle License No./State AP 248 NJ
Truck Number 20

I hereby certify that the above named material was picked up at the generator site listed above.
Driver Signature 9-17-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature 9-17-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365
Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 9/17/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 2 17986

GENERATOR

Generator Name White Plains YMCA Shipping Location

Address 250 Mamaroneck ave Address Same

White Plains NY 10605

Phone No. Phone No.

Approval Number M6 0306

Description of Material: No Hazardous Contaminate Soil

ID 341

GROSS	40.47 TN	GROSS
TARE	15.12 TN RECALLED	TARE
NET	25.35 TN	NET
09/11/2015 07:39AM		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

X

Generator Authorized Agent Name Signature Shipment Date 9/11/15

TRANSPORTER

Transporter Name Carsillo Driver Name (Print) Cristian Granados

Address East Hanover Vehicle License No./State AS497d

NJ Truck Number 341

I hereby certify that the above named material was picked up at the generator site listed above.

Cristian Granados 9/11/15

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Cristian Granados 9/11/15

Driver Signature Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 9/11/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 1 18046

GENERATOR

Generator Name White Plains YMCA   Shipping Location SAME

Address 250 Mamaroneck Ave   Address

White Plains, NY 10605

Phone No.   Phone No.

Approval Number	Description of Material	
MG 0306	NON HAZARDOUS CONTAMINATED SOIL	ID 328 GROSS 43.65 TN TARE 14.70 TN RECALLED NET 28.95 TN 09/11/2015 07:37AM

GROSS / TARE / NET / TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name   Signature [signature]   Shipment Date 9/11/15

TRANSPORTER

Transporter Name Castillo & Sons   Driver Name (Print) [illegible]

Address East Hanover   Vehicle License No./State AM678D

NJ   Truck Number 16

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature [signature]   Shipment Date 09/11/15

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [signature]   Delivery Date 09/11/15

DESTINATION

Site Name SSI-Metro12   Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent TR   Signature [signature]   Receipt Date 9/11/15

White - Facility   Green - Facility   Yellow - Generator   Pink - Broker   Goldenrod - Contractor   Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 22 06573

GENERATOR

Generator Name White Plain YMCA

Address 250 Mamaroneck White Plains, NY

Phone No.

Shipping Location

Address Same

Phone No.

Approval Number M6 0306

Description of Material: Non Haz Cont Mat Soil

ID 338

GROSS 40.93 TN — GROSS

TARE 14.14 TN RECALLED — TARE

NET 26.79 TN — NET

09/11/2015 09:45AM — TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Richard Gregory Signature 9/11/15 Shipment Date

TRANSPORTER

Transporter Name PACARS1110 & SONS

Address 40 DEFOREST AVE EHANOVER NJ

Driver Name (Print) Hugo Nunez

Vehicle License No./State A52972F

Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 9-11-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 9-11-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 9/11/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number 41

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: White Plains YMCA | Generator Site/Location:

Address: 250 Mamaroneck Ave, White Plains NY 10605 | Address:

Phone No.: | Phone No.:

Approval Number	Description of Material	
MG-0306	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	ID 243 GROSS 48.69 TN TARE 14.21 TN RECALLED NET 34.48 TN 09/11/2015 11:39AM

GROSS / TARE / NET / TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Rafael Gonzalez — Generator Authorized Agent Name

Rafael Gonzalez — Signature

Shipment Date:

TRANSPORTER

Transporter Name: Nickaballa's | Driver Name (Print): Nait Soyle

Address: 52 N Dell Ave, Kenvil NJ | Vehicle License No. / State / EPA No.: AP830X

Truck Number: 12

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature: | Shipment Date:

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature: [signature] | Delivery Date: 9-11-15

DESTINATION

Site Name: SSI Meadow 12 ~~Soil Safe, Inc. - Bridgeport~~ | Phone No. 1-856-467-8030

Address: ~~378 Route 130, Logan Township, NJ 08085~~ 300 Salt Meadow Road Carteret NJ

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: [signature] | Signature: [signature] | Receipt Date: 9/11/15

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 5 19197

GENERATOR

Generator Name White Plains YMCA Shipping Location _____

Address 250 Mamaroneck Ave Address _____

White Plains NY Samuel

Phone No. _____ Phone No. _____

Approval Number MG 0306

Description of Material: Non Haz Cont Soil

ID 338 GROSS

GROSS 49.83 TN TARE

TARE 14.14 TN RECALLED

NET 35.69 TN NET

09/10/2015 10:05AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Rafael Signature 9/10/15 Shipment Date

TRANSPORTER

Transporter Name P.A CARSILLO & SONS Driver Name (Print) Hugo Nunez

Address 40 DEFOREST AVE Vehicle License No./State AS292F

E-HANOVER NJ Truck Number #23 330

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 9-10-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 9-10-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 9/10/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 9 19199

GENERATOR

Generator Name White Plains YMCA Shipping Location Same

Address 250 Mamaroneck White Plains NY Address

Phone No. Phone No.

Approval Number NS 8306

Description of Material: Non Haz Cont Soil

ID 338 GROSS
GROSS 43.40 TN TARE
TARE 14.14 TN RECALLED
NET 34.26 TN NET
09/09/2015 01:10PM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Robert Casey Signature 9/9/15 Shipment Date

TRANSPORTER

Transporter Name Carroll & Sons Driver Name (Print) Hugo Nunez

Address 40 DEGRAW ST Vehicle License No./State AS292F
E-HANOVER NJ

Truck Number #23 #330

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 9-9-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 9-9-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 9/9/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 8 18037

GENERATOR

Generator Name White Plains YMCA

Address 250 Mamaroneck Ave
White Plains, NY 10605

Phone No. _____

Shipping Location Same

Address _____

Phone No. _____

Approval Number M6 0306

Description of Material: Non Haz. Contaminated Soil

ID 329 **GROSS**

GROSS 48.49 TN **TARE**
TARE 14.62 TN RECALLED
NET 33.87 TN **NET**

09/09/2015 01:02PM **TONNAGE**

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Rafael Gonzalez — 9-9-15
Generator Authorized Agent Name / Signature / Shipment Date

TRANSPORTER

Transporter Name P.A. Carsillo & Sons

Address _____
E. Hanover, NJ.

Driver Name (Print) Cesar Machado

Vehicle License No./State AN280R

Truck Number 19

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date 9/9/15

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Delivery Date 9/9/15

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date 9/9/15

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

Log Number 4 18035

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name White Plains YMCA Shipping Location SAME

Address 230 Mamaroneck Ave Address

White Plains, NY 10605

Phone No. Phone No.

Approval Number mle-0306

Description of Material: Non-Haz. Contaminated Soil

ID 326

GROSS	47.27 TN	GROSS
TARE	14.57 TN RECALLED	TARE
NET	32.70 TN	NET

09/09/2015 11:16AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Rafael Gonzalez — Signature — 9-9-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name P.A. Carsillo & Sons Driver Name (Print) Tom

Address East Orange NJ Vehicle License No./State AP562U

Truck Number 21

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 9-9-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 9-9-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

TR — Signature — 9/9/15

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 2 18033

GENERATOR

Generator Name White Plains YMCA Shipping Location ____

Address 250 Mamaroneck Address Same
White Plains NY

Phone No. ____ Phone No. ____

Approval Number	Description of Material	
M6 0306	Non Haz Cont - Soil	ID 338 GROSS 50.63 TN TARE 14.14 TN RECALLED NET 36.49 TN 09/09/2015 10:16AM GROSS / TARE / NET / TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Robert ____ Signature [signature] Shipment Date 9/9/15

TRANSPORTER

Transporter Name CARSILLO & SONS Driver Name (Print) Hugo Nunez

Address 40 DEFOREST Vehicle License No./State AS~~208~~E
E HANOVER NJ Truck Number #23 (338)

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature [signature] Shipment Date 9-9-15

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [signature] Delivery Date 9-9-15

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent TR Signature [signature] Receipt Date 9/9/15

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

Log Number 18036

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name White Plains YMCA Shipping Location Same

Address 250 Mamaroneck Ave Address

White Plains, NY 10605

Phone No. Phone No.

M6 | Approval Number 0306 | Description of Material: Non Haz. Contaminated Soil

ID 329

GROSS	45.59 TN	GROSS
TARE	14.62 TN RECALLED	TARE
NET	30.97 TN	NET

09/09/2015 10:14AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Rafael Gonzalez

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Carsi/lo Driver Name (Print) Cesar Machado

Address Vehicle License No./State AN28OR

E. Hanover, NJ. Truck Number 19

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 9-9-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 9-9-15 Delivery Date

DESTINATION

Site Name SSI-Metro12 Phone No. 800-562-4365

Address 300 Salt Meadow Road, Carteret, NJ 07008

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 9/9/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

NORTHEAST ENVIRONMENTAL, INC.
225 Valley Place
Mamaroneck, NY 10543
1-877-574-TANK (8265) • Fax 914-777-1928
www.northeastenvironmental.com

NYS DEC #3A-500
EPA #NYR-000083766
CT-HW #763

Manifest Number
7327

NAME: _____ DATE: 8-24-15

GENERATOR/LOCATION

NAME: YMCA
INFORMATION/ATTENTION LINE: _____ ETA ONSITE: _____
ADDRESS: 250 MAMARONECK AVE
CITY: WHITE PLAINS STATE: NY ZIP: _____
PHONE NUMBER: _____ PURCHASE ORDER NUMBER: _____
TIME IN: _____ TIME OUT: _____

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: _____
INFORMATION/ATTENTION LINE: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
PHONE NUMBER: _____ PURCHASE ORDER NUMBER: _____

DRIVERS NOTES

VAC OUT 1,426 GALS. U.S.T.

SERVICE SECTION

WASTE CODE	DESCRIPTION	DRUMS	GALLONS	UNIT PRICE	PRICE	TAX	LINE TOTAL
1993	USED OIL REMOVAL		1,426				
1993	OILY WATER DISPOSAL						
1325	SLUDGE DISPOSAL						
1203	GASOLINE/WATER						
	DRUM DISPOSAL (NON-HAZ)						
	DRUM DISPOSAL (HAZ)						
	TANK CLEANING						
	VACUUM SERVICE						
	TRUCK HOURLY RATE						
	TRANSPORTATION						
					TOTAL		

Terms-Net 15 Days

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED NORTHEAST ENVIRONMENTAL HEREUNDER HAVE NOT BEEN MIXED, COMBINED OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLF (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261, GENERATOR AGREES TO INDEMNIFY AND HOLD NORTHEAST ENVIRONMENTAL HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ☐ used oil

☐ oily water ☐ Other _____
DESCRIPTION

In accordance the N.J.A.C. 7:26-12.1 et seq. Northeast Environmental has the required permits to accept the above described waste.

PRINT NAME _____ TITLE _____

SIGNATURE _____ DATE _____

GENERATOR/CUSTOMER

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined in 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

Dexsil CDT
Test Results

PPM _____

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICED REFLECTING CHANGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1-1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 15 DAYS. IN THE EVENT OF DEFAULT, NORTHEAST ENVIRONMENTAL INC. SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. INITIAL _____

$

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6, 76 + 40 CFR PART 279, Northeast Environmental has notified the US EPA of it's used oil management activities.

PRINT NAME _____

SIGNATURE _____ DATE _____

NORTHEAST ENVIRONMENTAL REPRESENTATIVE

NORTHEAST ENVIRONMENTAL, INC.
225 Valley Place
Mamaroneck, NY 10543
1-877-574-TANK (8265) • Fax 914-777-1928
www.northeastenvironmental.com

NYS DEC #3A-500
EPA #NYR-000083766
CT-HW #763

Manifest Number 7332

NAME: _____ DATE: 8-31-15

GENERATOR/LOCATION	BILL TO (IF DIFFERENT FROM LOCATION)
NAME	NAME
INFORMATION/ATTENTION LINE / ETA ONSITE	INFORMATION/ATTENTION LINE
ADDRESS: YMCA	ADDRESS
CITY: WHITE PLAINS / STATE: NY / ZIP	CITY / STATE / ZIP
PHONE NUMBER / PURCHASE ORDER NUMBER	PHONE NUMBER / PURCHASE ORDER NUMBER
TIME IN / TIME OUT	

DRIVERS NOTES

VAC OUT EXCAVATION

SERVICE SECTION

WASTE CODE	DESCRIPTION	DRUMS	GALLONS	UNIT PRICE	PRICE	TAX	LINE TOTAL
1993	USED OIL REMOVAL		414				
1993	OILY WATER DISPOSAL						
1325	SLUDGE DISPOSAL						
1203	GASOLINE/WATER						
	DRUM DISPOSAL (NON-HAZ)						
	DRUM DISPOSAL (HAZ)						
	TANK CLEANING						
	VACUUM SERVICE						
	TRUCK HOURLY RATE						
	TRANSPORTATION						
					TOTAL		

Terms-Net 15 Days

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED NORTHEAST ENVIRONMENTAL HEREUNDER HAVE NOT BEEN MIXED, COMBINED OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLF (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40,CFR PART 261, GENERATOR AGREES TO INDEMNIFY AND HOLD NORTHEAST ENVIRONMENTAL HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ☐ used oil

☐ oily water ☐ Other _____
DESCRIPTION

In accordance the N.J.A.C. 7:26-12.1 et seq. Northeast Environmental has the required permits to accept the above described waste.

PRINT NAME / TITLE

SIGNATURE / DATE

GENERATOR/CUSTOMER

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined in 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

Dexsil CDT
Test Results

PPM _____

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICED REFLECTING CHANGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1-1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 15 DAYS. IN THE EVENT OF DEFAULT, NORTHEAST ENVIRONMENTAL INC. SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. INITIAL _____

$

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7;26-6, 76 + 40 CFR PART 279, Northeast Environmental has notified the US EPA of it's used oil management activities.

PRINT NAME

SIGNATURE / DATE

NORTHEAST ENVIRONMENTAL REPRESENTATIVE

NORTHEAST ENVIRONMENTAL, INC.
225 Valley Place
Mamaroneck, NY 10543
1-877-574-TANK (8265) • Fax 914-777-1928
www.northeastenvironmental.com

NYS DEC #3A-500
EPA #NYR-000083766
CT-HW #763

Manifest Number 7342

NAME: _____ DATE: 9-8-15

GENERATOR/LOCATION

NAME

INFORMATION/ATTENTION LINE | ETA ONSITE

ADDRESS

CITY: Y.M.C.A., MAMARONECK AVE | STATE: NY | ZIP

PHONE NUMBER: WHITE PLAINS | PURCHASE ORDER NUMBER

TIME IN | TIME OUT

BILL TO (IF DIFFERENT FROM LOCATION)

NAME

INFORMATION/ATTENTION LINE

ADDRESS

CITY | STATE | ZIP

PHONE NUMBER | PURCHASE ORDER NUMBER

DRIVERS NOTES

VAC EXCAVATION

SERVICE SECTION

WASTE CODE	DESCRIPTION	DRUMS	GALLONS	UNIT PRICE	PRICE	TAX	LINE TOTAL
1993	USED OIL REMOVAL						
1993	OILY WATER DISPOSAL		765				
1325	SLUDGE DISPOSAL						
1203	GASOLINE/WATER						
	DRUM DISPOSAL (NON-HAZ)						
	DRUM DISPOSAL (HAZ)						
	TANK CLEANING						
	VACUUM SERVICE						
	TRUCK HOURLY RATE						
	TRANSPORTATION						
					TOTAL		

Terms-Net 15 Days

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED NORTHEAST ENVIRONMENTAL HEREUNDER HAVE NOT BEEN MIXED, COMBINED OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLF (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261. GENERATOR AGREES TO INDEMNIFY AND HOLD NORTHEAST ENVIRONMENTAL HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ☐ used oil

☐ oily water ☐ Other _____ DESCRIPTION

in accordance the N.J.A.C. 7:26-12.1 et seq. Northeast Environmental has the required permits to accept the above described waste.

PRINT NAME | TITLE

SIGNATURE | DATE

GENERATOR/CUSTOMER

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined in 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

Dexsil CDT Test Results

PPM _____

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICED REFLECTING CHANGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1-1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 15 DAYS. IN THE EVENT OF DEFAULT, NORTHEAST ENVIRONMENTAL INC. SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. INITIAL _____ $

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7;26-6, 76 + 40 CFR PART 279, Northeast Environmental has notified the US EPA of it's used oil management activities.

PRINT NAME

SIGNATURE | DATE

NORTHEAST ENVIRONMENTAL REPRESENTATIVE

NORTHEAST ENVIRONMENTAL, INC.
225 Valley Place
Mamaroneck, NY 10543
1-877-574-TANK (8265) • Fax 914-777-1928
www.northeastenvironmental.com

NYS DEC #3A-500
EPA #NYR-000083766
CT-HW #763

Manifest Number 7345

NAME: _____ DATE: 9-10-15

GENERATOR/LOCATION	BILL TO (IF DIFFERENT FROM LOCATION)
NAME	NAME
INFORMATION/ATTENTION LINE: YMCA	INFORMATION/ATTENTION LINE
ETA ONSITE	
ADDRESS	ADDRESS
CITY: White Plains	CITY
STATE: NY	STATE
ZIP	ZIP
PHONE NUMBER	PHONE NUMBER
PURCHASE ORDER NUMBER	PURCHASE ORDER NUMBER
TIME IN	
TIME OUT	

DRIVERS NOTES

VAC EXCAVATION

SERVICE SECTION

WASTE CODE	DESCRIPTION	DRUMS	GALLONS	UNIT PRICE	PRICE	TAX	LINE TOTAL
1993	USED OIL REMOVAL						
1993	OILY WATER DISPOSAL		1335				
1325	SLUDGE DISPOSAL						
1203	GASOLINE/WATER						
	DRUM DISPOSAL (NON-HAZ)						
	DRUM DISPOSAL (HAZ)						
	TANK CLEANING						
	VACUUM SERVICE						
	TRUCK HOURLY RATE						
	TRANSPORTATION						
					TOTAL		

Terms-Net 15 Days

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED NORTHEAST ENVIRONMENTAL HEREUNDER HAVE NOT BEEN MIXED, COMBINED OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLF (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261. GENERATOR AGREES TO INDEMNIFY AND HOLD NORTHEAST ENVIRONMENTAL HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ☐ used oil

☐ oily water ☐ Other _____
DESCRIPTION

In accordance the N.J.A.C. 7:26-12.1 et seq. Northeast Environmental has the required permits to accept the above described waste.

PRINT NAME _____ TITLE _____

SIGNATURE _____ DATE _____
GENERATOR/CUSTOMER

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined in 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

Dexsil CDT
Test Results

PPM _____

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICED REFLECTING CHANGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1-1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 15 DAYS. IN THE EVENT OF DEFAULT, NORTHEAST ENVIRONMENTAL INC. SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. INITIAL _____

$

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6, 76 + 40 CFR PART 279, Northeast Environmental has notified the US EPA of it's used oil management activities.

PRINT NAME _____

SIGNATURE _____ DATE 9-10-15
NORTHEAST ENVIRONMENTAL REPRESENTATIVE

PAYMENT RECEIPT

Brookfield Resource Management
100 Lamont Street
Elmsford, NY 10523
914-592-5250

Receipt: 1041044 Date: 08/26/2015
Customer: 38292 Time: 11:22
NORTHEAST ENVIRONMENTAL
VALLEY PLACE
MAMARONECK, NY

Ticket: 1159713 Weigh In: 08/26/2015 11:10
Operator: 6 Weigh Out: 08/26/2015 11:22
Description: TRK# 21

Commodity	Gross	Tare	Net	Price	TOTAL $
# 1 Unprepared	32820	25740	7080	2.100/CW	$148.68

Ticket Total

# of Tickets: 1
Paid by EZCash

Total Paid

Let Us Know How We're Doing
(Info@brookfieldco.com)

PAYMENT RECEIPT

Pascap Co, Inc.
4250 Boston Road
Bronx, NY 10475
(718)325-7200 (914)725-3300
FACILITY ID NO. 7003010 SCP
NYC DCA License # 0437184-0764024

Receipt: 0914166 Date: 08/26/2015
Customer: 1242 Time: 13:17
NORTHEAST ENVIRONMENTAL
225 Valley Place
MAMARONECK, NY 10543

Ticket: 1525753 Weigh In: 08/26/2015 13:04
Operator: 9 Weigh Out: 08/26/2015 13:14

Commodity	Gross	Tare	Net	Price	TOTAL $
ST TANK TO	31920	25780	6140	4.000/CW	

Ticket Total

# of Tickets: 1
Paid by EZCash

Total Paid

Rounded to nearest $1.00

CERTIFICATE OF COMPLIANCE

DEPARTMENT OF BUILDING
THE CITY OF WHITE PLAINS, NEW YORK

Certificate No: 15-13898 **Date of Issue: 12/21/2015**

RE: Application No: 2015-0067MEC

Permit No: 2015-0067MEC

THIS CERTIFIES THAT THE BUILDING (or portion of the building as noted below) located at:

250 MAMARONECK AVE
Unit No:
City of White Plains, New York
SBL: 130.28-9-3

May be used subject to the following conditions:

Type of Use Authorized: 682
Portion of Building to be Occupied:

Land/Use Conditions:

All final inspections have been made by this department for the work performed under Permit 2015-0067MEC to REMOVAL OF ONE 12,000 GALLON NO. 2 OIL UST TO GAS at the above mentioned premises. These inspections indicate that the work have been completed to the satisfaction of this department.

THIS CERTIFICATE IS ISSUED TO:
Northeast Environmental, Inc.

OWNER: YMCA
250 MAMARONECK AVE
THOMAS HAY
WHITE PLAINS NY 10605

DAMON A. AMADIO, P.E.
COMMISSIONER OF BUILDING

BUILDING PERMIT

CITY OF WHITE PLAINS, N.Y.
DEPARTMENT OF BUILDING
70 Church Street
White Plains, N.Y. 10601
PHONE 914-422-1269 FAX 914-422-1471

Application #: 2015-0067MEC
Permit #: 2015-0067MEC

Permit Type: COM - MEC
Date Issued: 5/4/2015

Site Address: 250 MAMARONECK AVE

Applicant: **Northeast Environmental, Inc.**
225 Valley Place
Mamaroneck NY 10543

SBL #: 130.28-9-3

Inspector: Pete Russo

Description of Work: REMOVAL OF ONE 12,000 GALLON NO. 2 OIL UST TO GAS

Fees:

	Com - Add/Alt	Check No. 35284	$265.00
Estimated Cost	$12000.00	Total Fees:	$265.00

Owner: YMCA
250 MAMARONECK AVE
THOMAS HAY
WHITE PLAINS NY 10605

Builder/Contractor
Northeast Environmental, Inc.
225 Valley Place
Mamaroneck NY 10543

Tel # 914 777 1930 Lic #

Commissioner of Building

Code Enforcement Officer

NOTE: **THIS PERMIT AND THE APPROVED PLANS MUST BE KEPT AT THE JOB. THIS PERMIT DOES NOT REPLACE ANY OTHER REQUIRED PERMITS. THE BUILDING CODE REQUIRES THAT NOTICE BE GIVEN TO THE CODE ENFORCEMENT OFFICER FOR ALL MANDATORY INSPECTIONS AS FOLLOWS: EXCAVATION, FOOTINGS, FOUNDATIONS, ALL CONCRETE POURS, FRAME & MASONRY, INSULATION, ELECTRICAL, MECHANICAL, INSTALLATION AND FINAL INSPECTION. THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT STARTED WITHIN 6 MONTHS FROM THE DATE OF ISSUE.**

NOTE: THE ISSUANCE OF THIS PERMIT SHALL NOT PREVENT THE COMMISSIONER OF BUILDING FROM THEREAFTER REQUIRING A CORRECTION OF ERRORS IN PLANS OR IN CONSTRUCTION, OR OF VIOLATIONS OF THE WHITE PLAINS BUILDING CODE, ZONING ORDINANCE OR OTHER APPLICABLE CODES.

IMPORTANT

THIS PERMIT MUST BE KEPT IN FULL VIEW ON THE JOB SITE

NEW YORK STATE

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 1410006

Spill Date/Time

Spill Date: 01/12/2015 **Spill Time:** 12:16:00 PM
Call Received Date: 01/12/2015 **Call Received Time:** 12:16:00 PM

Location

Spill Name: WHITE PLAINS YMCA
Address: 250 MAMARONECK RD
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	UNKNOWN	Unknown

Cause: Tank Test Failure
Source: Institutional, Educational, Gov., Other
Waterbody:

Record Close

Date Spill Closed: 12/08/2015

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

Spill Incidents Database Search

NEW YORK STATE

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 1505596

Spill Date/Time

Spill Date: 08/25/2015 **Spill Time:** 11:10:00 AM
Call Received Date: 08/25/2015 **Call Received Time:** 11:10:00 AM

Location

Spill Name: WHITE PLAINS YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	UNKNOWN	Soil

Cause: Other
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-074071

Record Close

Date Spill Closed: 12/08/2015

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0609639

Spill Date/Time

Spill Date: 11/22/2006 **Spill Time:** 09:13:00 AM
Call Received Date: 11/22/2006 **Call Received Time:** 09:13:00 AM

Location

Spill Name: WHITE PLAINS YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	100 Gal.	Soil

Cause: Equipment Failure
Source: Institutional, Educational, Gov., Other
Waterbody:

Record Close

Date Spill Closed: 01/10/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0103636

Spill Date/Time

Spill Date: 07/05/2001 **Spill Time:** 03:40:00 AM
Call Received Date: 07/05/2001 **Call Received Time:** 06:41:00 AM

Location

Spill Name: YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	40 Gal.	Sewer

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 02/19/2002

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9204628

Spill Date/Time

Spill Date: 07/22/1992 **Spill Time:** 01:55:00 PM
Call Received Date: 07/22/1992 **Call Received Time:** 02:09:00 PM

Location

Spill Name: YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	20 Gal.	Soil

Cause: Human Error
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 11/07/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9010653

Spill Date/Time

Spill Date: 01/05/1991 **Spill Time:** 09:40:00 AM
Call Received Date: 01/05/1991 **Call Received Time:** 10:04:00 AM

Location

Spill Name: YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	5 Gal.	Soil

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 05/01/1991

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9009604

Spill Date/Time

Spill Date: 12/04/1990 **Spill Time:** 12:00:00 PM
Call Received Date: 12/04/1990 **Call Received Time:** 02:25:00 PM

Location

Spill Name: YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	50 Gal.	Soil

Cause: Human Error
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 12/14/1990

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9010124

Spill Date/Time

Spill Date: 12/18/1990 **Spill Time:** 10:15:00 AM
Call Received Date: 12/18/1990 **Call Received Time:** 10:37:00 AM

Location

Spill Name: YMCA
Address: 250 MAMARONECK AVE
City: WHITE PLAINS **County:** Westchester

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 fuel oil	20 Gal.	Soil

Cause: Equipment Failure
Source: Tank Truck
Waterbody:

Record Close

Date Spill Closed: 12/20/1990

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

APPENDIX 2:

Geologic Logs

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER / CLIENT**: YMCA
	WELL NO.: GB-1
	PAGE 1 **OF** 1 **PAGES**
SITE LOCATION: 250 Mamaroneck Avenue White Plains, New York	**SCREEN SIZE & TYPE:** 1-inch Sch. 40 PVC **SLOT NO.:** 20 **SETTING**: 12 – 2 ftbg
DATE COMPLETED: 3/19/18	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: HES, Inc.	**SETTING:**
	CASING SIZE & TYPE: 1-inch Sch. 40 PVC
DRILLING METHOD: Geoprobe® 54DT	**SETTING:** 2 – 0 ftbg
SAMPLING METHOD: 2.25-inch MC	**SEAL TYPE:**
DRILLER and/or OBSERVER: PWD, DKS, AFC	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Exterior boring	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.2					ASPHALT
0.2	2.0	MC	-	1.7	0.0	SILT and SAND (fine) trace GRAVEL (medium; angular); Dry to moist; Light brown; No fuel oil odor
2.0	4.0	MC	-	2.0	0.0	CLAY some SILT; Brown to gray; Moist; No fuel oil odor
4.0	6.0	MC	-	2.0	0.0	CLAY some SILT trace ASPHALT; Brown to gray; Moist; No fuel oil odor
6.0	8.0	MC	-	2.0	0.0	CLAY some SILT; Brown to gray; Moist; No fuel oil odor
8.0	9.0	MC	-	1.0	0.0	CLAY some SILT trace GRAVEL; Brown to gray; Moist; No fuel oil odor
9.0	10.0	MC	-	1.0	0.0	CLAY some SILT; Brown to gray; Moist; No fuel oil odor
10.0	11.0	MC	-	1.0	0.0	CLAY some SILT; Brown; Wet; No fuel oil odor
11.0	12.0	MC	-	1.0	0.0	CLAY some SILT; Brown; Moist; No fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-2

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/19/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Geoprobe® 54DT

SETTING:

SAMPLING METHOD: 2.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, DKS, AFC

SETTING:

REFERENCE POINT (RP): Grade

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Exterior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.2					ASPHALT
0.2	4.0	MC	-	2.0	0.0	SILT and SAND (medium) trace CLAY; Light brown; Moist; No fuel oil odor
4.0	8.0	MC	-	1.5	0.0	SILT and SAND some GRAVEL (fine to medium; sub-angular) trace BRICK; Light brown; Moist; No fuel oil odor
8.0	12.0	MC	-	2.5	0.0	CLAY some SILT; Light brown; Moist; No fuel oil odor
12.0	12.5	MC	-	0.5	0.0	CLAY some SILT some BRICK; Light brown; Moist; No fuel oil odor
12.5	16.0	MC	-	3.5	0.0	CLAY some SILT; Light brown; Wet; No fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-3

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/19/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Geoprobe® 54DT

SETTING:

SAMPLING METHOD: 2.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, DKS, AFC

SETTING:

REFERENCE POINT (RP): Grade

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Exterior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.75					ASPHALT
0.75	4.0	MC	-	1.5	0.0	SILT and SAND (medium); Light brown; Moist; No fuel oil odor
4.0	8.0	MC	-	2.0	0.0	CLAY some SILT; Light brown; Moist to wet; No fuel oil odor
8.0	11.5	MC	-	3.5	0.0	CLAY some SILT; Light brown; Saturated; No fuel oil odor
11.5	12.0	MC	-	0.5	0.0	SAND some SILT; Light brown; Moist; No fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-4

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE: 1-inch Sch. 40 PVC

SLOT NO.: 20 **SETTING**: 1.5 – 0 ftbg

DATE COMPLETED: 3/19/18

DRILLING COMPANY: HES, Inc.

DRILLING METHOD: Geoprobe® (manual)

SAMPLING METHOD: 1.25-inch MC

DRILLER and/or OBSERVER: PWD, DKS, AFC

SAND PACK SIZE & TYPE:

SETTING:

CASING SIZE & TYPE:

SETTING:

SEAL TYPE:

SETTING:

REFERENCE POINT (RP): Grade (basement floor)

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Interior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.0	MC	-	0.3	-	GRAVEL (fill)
1.0	1.5	MC	-	0.3	116.2	SAND (medium) some GRAVEL (fine, rounded); Brown to gray; Slight fuel oil odor

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER / CLIENT**: YMCA
	WELL NO.: GB-5
	PAGE 1 **OF** 1 **PAGES**
SITE LOCATION: 250 Mamaroneck Avenue White Plains, New York	**SCREEN SIZE & TYPE:** 1-inch Sch. 40 PVC **SLOT NO.:** 20 **SETTING**: 1.5 – 0 ftbg
DATE COMPLETED: 3/19/18	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: HES, Inc.	**SETTING:**
	CASING SIZE & TYPE:
DRILLING METHOD: Manual Geoprobe®	**SETTING:**
SAMPLING METHOD: 1.25-inch MC	**SEAL TYPE:**
DRILLER and/or OBSERVER: PWD, DKS, AFC	**SETTING:**
REFERENCE POINT (RP): Grade (basement floor)	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Interior boring	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	2.0	MC	-	0.5	101.8	SAND and GRAVEL (fine, angular to sub-angluar); Gray; Moist to wet; Slight fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-6

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/19/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Manual Geoprobe®

SETTING:

SAMPLING METHOD: 1.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, DKS, AFC

SETTING:

REFERENCE POINT (RP): Grade (basement floor)

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Interior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.0	MC	-	0.2	104.6	SAND and GRAVEL (fine, angular to sub-angluar); Gray; Moist to wet; Slight fuel oil odor

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER / CLIENT**: YMCA **WELL NO.:** GB-7 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 250 Mamaroneck Avenue White Plains, New York	**SCREEN SIZE & TYPE:** **SLOT NO.:** **SETTING**:
DATE COMPLETED: 3/20/18	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: HES, Inc.	**SETTING:**
	CASING SIZE & TYPE:
DRILLING METHOD: Manual Geoprobe®	**SETTING:**
SAMPLING METHOD: 1.25-inch MC	**SEAL TYPE:**
DRILLER and/or OBSERVER: PWD, AFC	**SETTING:**
REFERENCE POINT (RP): Grade (basement floor)	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Interior boring	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	0.7	MC	-	0.2	50.1	GRAVEL (fine, sub-rounded) some SILT; Dark brown; Wet; Slight fuel oil odor

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER / CLIENT**: YMCA **WELL NO.:** GB-8 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 250 Mamaroneck Avenue White Plains, New York	**SCREEN SIZE & TYPE:** **SLOT NO.:** **SETTING**:
DATE COMPLETED: 3/20/18	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: HES, Inc.	**SETTING:**
	CASING SIZE & TYPE:
DRILLING METHOD: Manual Geoprobe®	**SETTING:**
SAMPLING METHOD: 1.25-inch MC	**SEAL TYPE:**
DRILLER and/or OBSERVER: PWD, AFC	**SETTING:**
REFERENCE POINT (RP): Grade (basement floor)	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Interior boring	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.5	MC	-	0.2	1.9	GRAVEL (fine, sub-rounded) some SILT; Dark brown; Wet; No fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-9

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/20/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Manual Geoprobe®

SETTING:

SAMPLING METHOD: 1.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, AFC

SETTING:

REFERENCE POINT (RP): Grade (basement floor)

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Interior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.5	MC	-	0.4	120.2	GRAVEL (fine to medium, sub-rounded) and SILT some CLAY; Brown; Wet; Moderate fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-10

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/20/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Manual Geoprobe®

SETTING:

SAMPLING METHOD: 1.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, AFC

SETTING:

REFERENCE POINT (RP): Grade (basement floor)

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Interior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.5	MC	-	0.4	52.0	SAND (fine) some GRAVEL (fine, angular); Dark brown; Wet; Slight fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-11

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/20/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Manual Geoprobe®

SETTING:

SAMPLING METHOD: 1.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, AFC

SETTING:

REFERENCE POINT (RP): Grade (basement floor)

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Interior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.0	MC	-	0.2	201.5	SAND (medium) some GRAVEL (fine to medium, sub-rounded); Brown; Wet; Fuel oil odor

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER / CLIENT: YMCA

WELL NO.: GB-12

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 250 Mamaroneck Avenue
White Plains, New York

SCREEN SIZE & TYPE:

SLOT NO.: **SETTING**:

DATE COMPLETED: 3/20/18

SAND PACK SIZE & TYPE:

DRILLING COMPANY: HES, Inc.

SETTING:

CASING SIZE & TYPE:

DRILLING METHOD: Manual Geoprobe®

SETTING:

SAMPLING METHOD: 1.25-inch MC

SEAL TYPE:

DRILLER and/or OBSERVER: PWD, AFC

SETTING:

REFERENCE POINT (RP): Grade (basement floor)

BACKFILL TYPE:

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP:

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: – **YIELD**: –

REMARKS: Interior boring

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	0.5					CONCRETE SLAB
0.5	1.0	MC	-	0.4	220.7	SAND (medium) some GRAVEL (fine, rounded); Brown; Wet; Fuel oil odor

APPENDIX 3:

Laboratory Analytical Reports for Soil and Groundwater Sampling

Technical Report

prepared for:

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Report Date: 03/28/2018
Client Project ID: 250 Mamaroneck Avenue, White Plains, NY
York Project (SDG) No.: 18C0829

Report Date: 03/28/2018
Client Project ID: 250 Mamaroneck Avenue, White Plains, NY
York Project (SDG) No.: 18C0829

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 March 22, 2018 and listed below. The project was identified as your project: **250 Mamaroneck Avenue, White Plains, NY**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18C0829-01	GB-1 (11-12 ftbg)	Soil	03/19/2018	03/22/2018
18C0829-02	GB-4 (1 ftbg)	Soil	03/19/2018	03/22/2018
18C0829-03	GB-12 (0.5-1 ftbg)	Soil	03/20/2018	03/22/2018
18C0829-04	GB-1-TW	Water	03/20/2018	03/22/2018
18C0829-05	GB-4-TW	Water	03/20/2018	03/22/2018
18C0829-06	GB-5-TW	Water	03/20/2018	03/22/2018

General Notes for York Project (SDG) No.: 18C0829

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 03/28/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GB-1 (11-12 ftbg) **York Sample ID:** 18C0829-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 19, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (formerly STARS) List

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
71-43-2	Benzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
91-20-3	Naphthalene	ND		ug/kg dry	1.8	7.1	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJI			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.5	7.1	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
108-88-3	Toluene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.3	11	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:23	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*76-130*

Sample Information

Client Sample ID: GB-1 (11-12 ftbg) **York Sample ID:** 18C0829-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 19, 2018 3:00 pm	03/22/2018

Semi-Volatiles, CP-51 (formerly STARS) 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
83-32-9	Acenaphthene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	45	90	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.9 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*54.6 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: GB-1 (11-12 ftbg) **York Sample ID:** 18C0829-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 19, 2018 3:00 pm	03/22/2018

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.3		%	0.100	1	SM 2540G	03/27/2018 15:56	03/27/2018 17:46	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: GB-4 (1 ftbg) **York Sample ID:** 18C0829-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 19, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (formerly STARS) List

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJI			
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			

Sample Information

Client Sample ID: GB-4 (1 ftbg) **York Sample ID:** 18C0829-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 19, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (formerly STARS) List

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
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C	03/23/2018 13:49	03/24/2018 11:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.3 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) 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
83-32-9	Acenaphthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**58**	J	ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GB-4 (1 ftbg) **York Sample ID:** 18C0829-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 19, 2018 3:00 pm	03/22/2018

Semi-Volatiles, CP-51 (formerly STARS) 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
91-20-3	Naphthalene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**70**	J	ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**72**	J	ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 10:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*55.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.5 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*60.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	03/27/2018 10:24	03/27/2018 15:45	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: GB-12 (0.5-1 ftbg) **York Sample ID:** 18C0829-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 20, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (formerly STARS) List

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA			

Sample Information

Client Sample ID: GB-12 (0.5-1 ftbg) **York Sample ID:** 18C0829-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 20, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (formerly STARS) List

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
91-20-3	**Naphthalene**	**15**		ug/kg dry	1.9	7.6	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,PADEP,NJI		
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.7	11	1	EPA 8260C	03/23/2018 13:49	03/24/2018 12:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) 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
83-32-9	**Acenaphthene**	**230**		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**130**		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GB-12 (0.5-1 ftbg) **York Sample ID:** 18C0829-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Soil	March 20, 2018 3:00 pm	03/22/2018

Semi-Volatiles, CP-51 (formerly STARS) 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
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**340**		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**130**		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**460**		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**270**		ug/kg dry	46	92	2	EPA 8270D	03/24/2018 09:20	03/26/2018 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*49.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*56.8 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*54.7 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.5**		%	0.100	1	SM 2540G	03/27/2018 15:56	03/27/2018 17:46	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: GB-1-TW **York Sample ID:** 18C0829-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Sample Information

Client Sample ID: GB-1-TW

York Sample ID: 18C0829-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (STARS) 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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:25	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*79-122*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

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

Sample Information

Client Sample ID: GB-1-TW

York Sample ID: 18C0829-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

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**	**0.300**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
208-96-8	**Acenaphthylene**	**0.0778**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
120-12-7	**Anthracene**	**0.156**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
218-01-9	Chrysene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
206-44-0	Fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
86-73-7	**Fluorene**	**0.578**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
91-20-3	**Naphthalene**	**0.200**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
85-01-8	**Phenanthrene**	**1.13**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR
129-00-0	**Pyrene**	**0.0889**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:09	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*53.7 %*	*50.2-113*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.0 %*	*39.9-105*
1718-51-0	*Surrogate: Terphenyl-d14*	*33.9 %*	*30.7-106*

Sample Information

Client Sample ID: GB-4-TW

York Sample ID: 18C0829-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (STARS) 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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
91-20-3	**Naphthalene**	**1.6**	J	ug/L	1.0	2.0	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
104-51-8	**n-Butylbenzene**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	**p-Isopropyltoluene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	**sec-Butylbenzene**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/26/2018 07:30	03/26/2018 17:11	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*92.7 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*116 %*	*79-122*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

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

Sample Information

Client Sample ID: GB-4-TW

York Sample ID: 18C0829-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

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**	**5.56**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
208-96-8	**Acenaphthylene**	**2.84**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
120-12-7	**Anthracene**	**2.53**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
218-01-9	**Chrysene**	**0.267**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
206-44-0	**Fluoranthene**	**0.978**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
86-73-7	**Fluorene**	**7.51**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
91-20-3	**Naphthalene**	**1.87**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
85-01-8	**Phenanthrene**	**2.71**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR
129-00-0	**Pyrene**	**3.82**		ug/L	0.222	0.222	1	EPA 8270D Certifications:	03/23/2018 07:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2018 14:40	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.7 %*	*50.2-113*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.5 %*	*39.9-105*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.0 %*	*30.7-106*

Sample Information

Client Sample ID: GB-5-TW

York Sample ID: 18C0829-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Volatile Organics, CP-51 (STARS) 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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	**p-Isopropyltoluene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	**sec-Butylbenzene**	**3.6**		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
98-06-6	**tert-Butylbenzene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/27/2018 11:52	03/27/2018 14:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.1 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.2 %*	*79-122*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-D, 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

Sample Information

Client Sample ID: GB-5-TW

York Sample ID: 18C0829-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0829	250 Mamaroneck Avenue, White Plains, NY	Water	March 20, 2018 3:00 pm	03/22/2018

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-D, 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	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/L	95.2	190	20	EPA 8270D	03/23/2018 07:29	03/26/2018 13:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*112 %*	*50.2-113*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*83.2 %*	*39.9-105*
1718-51-0	*Surrogate: Terphenyl-d14*	*68.1 %*	*30.7-106*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18C0829-01	GB-1 (11-12 ftbg)	40mL Vial with Stir Bar-Cool 4° C
18C0829-02	GB-4 (1 ftbg)	40mL Vial with Stir Bar-Cool 4° C
18C0829-03	GB-12 (0.5-1 ftbg)	40mL Vial with Stir Bar-Cool 4° C
18C0829-04	GB-1-TW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0829-05	GB-4-TW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0829-06	GB-5-TW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.

Definitions and Other Explanations

*	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.

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. 18C0829

YOUR Information
Company: HES, Inc.
Address: One Deans Bridge Road, Somers, New York 10589
Phone No. 914 276-2560
Contact Person: Patti Clause
E-Mail Address: pclause@hesny.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
250 Mamaroneck Avenue, White Plains, NY

Samples from: CT ___ NY X NJ ___

Turn-Around Time
RUSH - Same Day ☐
RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐
Standard(5-7 Days) ☒

Report Type
Summary Report X
Summary w/ QA Summary ___
CT RCP Package ___
CTRCP DQA/DUE Pkg ___
NY ASP A Package ___
NY ASP B Package ___
NJDEP Red. Deliv. ___
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):

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.

Patrick Donahoe
Samples Collected/Authorized By (Signature)
Patrick Donahoe
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 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	Heterotroples
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-Expanded No Drinking Waters	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-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 Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GB-1 (11-12 ftbg)	3/19/18	S	EPA Method 8021 + 8270 (STARS)	(1) 4oz.; (3) Soil VOAs
GB-4 (1 ftbg)	3/19/18	S		
GB-12 (0.5-1 ftbg)	3/20/18	S		
GB-1-TW	3/20/18	GW	EPA Method 8021 + 8270 (STARS)	(2) Amber; (2) HCl VOAs
GB-4-TW	3/20/18	GW		(1) Amber; (2) HCl VOAs
GB-5-TW	3/20/18	GW		

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Patrick Donahoe 3-22-18 14:10
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Samples Received By Date/Time: 3-22-18 14:10

Samples Received in LAB by Date/Time: TC Mahler 3/22/18 1546

Temperature on Receipt: 3.0 °C

DRAFT

APPENDIX 4

Remedial Action Work Plan

HydroEnvironmental SOLUTIONS, INC.

April 6, 2018

Mr. Thomas L. Hay
Director of Operations
YMCA of Central and Northern Westchester
250 Mamaroneck Avenue
White Plains, New York 10605

Re: Remedial Action Work Plan
White Plains YMCA
250 Mamaroneck Avenue
White Plains, New York

Dear Mr. Hay:

On Behalf of the YMCA of Central and Northern Westchester, HydroEnvironmental Solutions, Inc. (HES) is pleased to submit the following Remedial Action Work Plan (RAWP) to complete remedial soil vapor and groundwater monitoring at the above referenced site (herein referred to as the SITE). The SITE location is shown on **Figure 1**.

The purpose of this RAWP is to outline protocol to complete Soil Vapor Extraction (SVE) and fuel oil impacted groundwater recovery and treatment activities based on the findings of a Subsurface Investigation (SI) completed by HES on March 19 and 20 of 2018. According to the SI, remedial activities will be required to the south and west of the basement pool in order to address fuel oil impacts to the soil and groundwater beneath the SITE. The recommended work will need to be completed prior to requesting formal closure of New York State Department of Environmental Conservation (NYSDEC) Spill No. 1709377 currently attached to the site. Based on the findings of the SI, HES recommends that the following remedial measures be implemented at the SITE.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • Fax 914.276.2664

SCOPE OF WORK

TASK 1: Design and Install a Soil Vapor Extraction System

HES will install two SVE systems to mitigate fuel oil vapors which are trapped below the basement slab and entering the basement and first floor of the facility. Prior to SVE system installation, HES will conduct a short-term (4 hour) pilot test to determine the effectiveness of SVE at removing fuel oil vapors from beneath the basement slab, the south stairwell and hallway and the pool area, and to determine the size and best location to install the SVE blowers. The pilot test will involve installing several vapor points in the basement area along with a single SVE well. After the vapor points and the SVE well are installed, a blower fan will be attached to the well and the outlying vapor points will be measured for vacuum. The pilot test will assist HES in sizing and locating the proper blowers to effectively mitigate the vapors beneath the slab and in the building itself.

After the pilot test results are analyzed and the SVE system is designed, HES and their subcontractor will likely install one SVE system at the southwest corner of the basement in the stairwell corridor and a second SVE system will likely be placed along the west wall of the basement pool room. Each of the two SVE systems will be placed directly below the slab flooring and the annular space surrounding the system will be packed with 3/8-inch washed pea stone (or similar) to grade. A polyethylene vapor barrier (minimum 6 mm) will be placed atop of the stone prior to sealing the concrete slab flooring. Each SVE system will be individually powered by a radon type fan or a regenerative blower which will be operated continuously and will exhaust to the exterior of the building. Following SVE installation HES will conduct periodic (monthly) SVE exhaust monitoring using a photoionization detector (PID) to monitor the fuel oil vapor mitigation progress.

The probable locations of the SVE blowers based on SI PID readings and details of a typical SVE system are included on **Figures 2.1** and **2.2**.

TASK 2: Groundwater Treatment

HES will install one oil-water separator (OWS) and granular activated carbon (GAC) treatment system to collect and treat fuel oil impacted groundwater located at the SITE. The system will operate using a submersible sump pump set in a pre-existing on-site sump pit in the basement of the building. HES will enhance the existing sump pit to accommodate the submersible pump and augment groundwater evacuation by deepening the sump pit and installing a polyethylene pipe housing for the pump. Groundwater will be pumped from the pit into an OWS which will collect any residual free-phase fuel oil into a storage drum and discharge the pumped groundwater through the system to the existing

sewer line. Additionally, an Abanaki® belt-skimmer (or equivalent) will be installed in the sump to recover any free-phase fuel oil that collects on the surface of the groundwater in the sump prior to treatment. A transfer pump will then pump the groundwater from the settling drum through a 5-micron bag filter and two 55-gallon Carbtrol® drums of GAC prior to being discharged to the sewer system. A flow meter will be installed inline on the system and set to measure the total volume of discharged groundwater in gallons. The proposed groundwater treatment system is shown on **Figure 3** and the specification for the proposed OWS, belt skimmer and GAC drums are included in **Appendix 1**.

HES will collect periodic groundwater samples (semi-annually) from the treatment system's effluent sampling port for laboratory analysis to ensure proper function and to comply with the required Westchester County Department of Environmental Facilities (WCDEF) discharge requirements. HES will secure a discharge permit with the WCDEF as required. The effluent samples will be analyzed for volatile organic compounds (VOCs) using EPA Method 8021 including MTBE and for semi-SVOCs using EPA Method 8270 STARS in accordance with WCDEF Local Sewer Limitations (LSLs) requirements.

TASK 3: Groundwater Monitoring

The groundwater in the sump will be monitored for the presence of free-phase fuel oil quarterly for a period of no less than one year. The groundwater levels will be measured manually using an electronic interface probe on a quarterly basis. Once visible free-phase fuel oil and/or sheen are not visible in the sump for two consecutive quarters, HES will collect a groundwater sample to determine if the groundwater beneath the slab is compliant with NYSDEC Ambient Water Quality Standards (AWQS).

TASK 4: Soil Vapor and Groundwater Monitoring/Spill Closure Report

Following completion of the above outlined work plan, HES will compile a comprehensive Soil Vapor and Groundwater Monitoring/Spill Closure Report summarizing the results of all field activities, monitoring and sampling and laboratory results, in addition to our conclusions and recommendations as they relate to Spill Closure. The report will compare the laboratory analytical results from the groundwater sump pit sampling to the Class GA AWQS in accordance with the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1.

HES will await formal approval of this RAWP from the NYSDEC Region 3 Office prior to beginning any remedial action. If you have any questions regarding this RAWP, please contact me at (914) 276 – 2560.

Sincerely,
HydroEnvironmental Solutions, Inc.

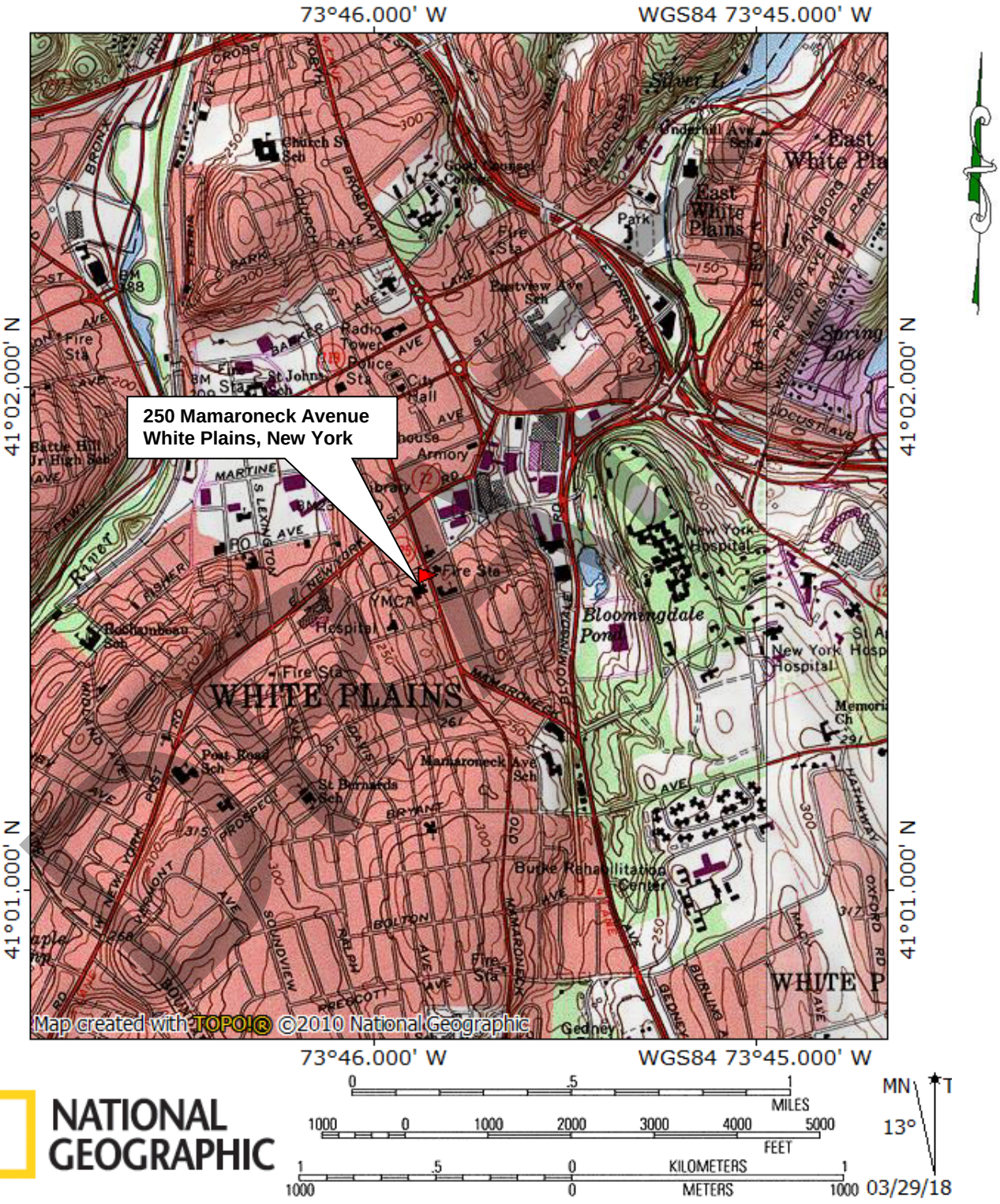
William A. Canavan, PG, LSRP
President

cc: Mr. Todd Ghiosay – NYSDEC Case Manager
Linda Whitehead, Esq. – McCullough, Goldberger and Staudt, LLP
File

HydroEnvironmental
SOLUTIONS, INC.
One Deans Bridge Road Somers, New York 10589
(914) 276 - 2560 Fax: (914) 276 - 2664

Figure 1

Site Location Map



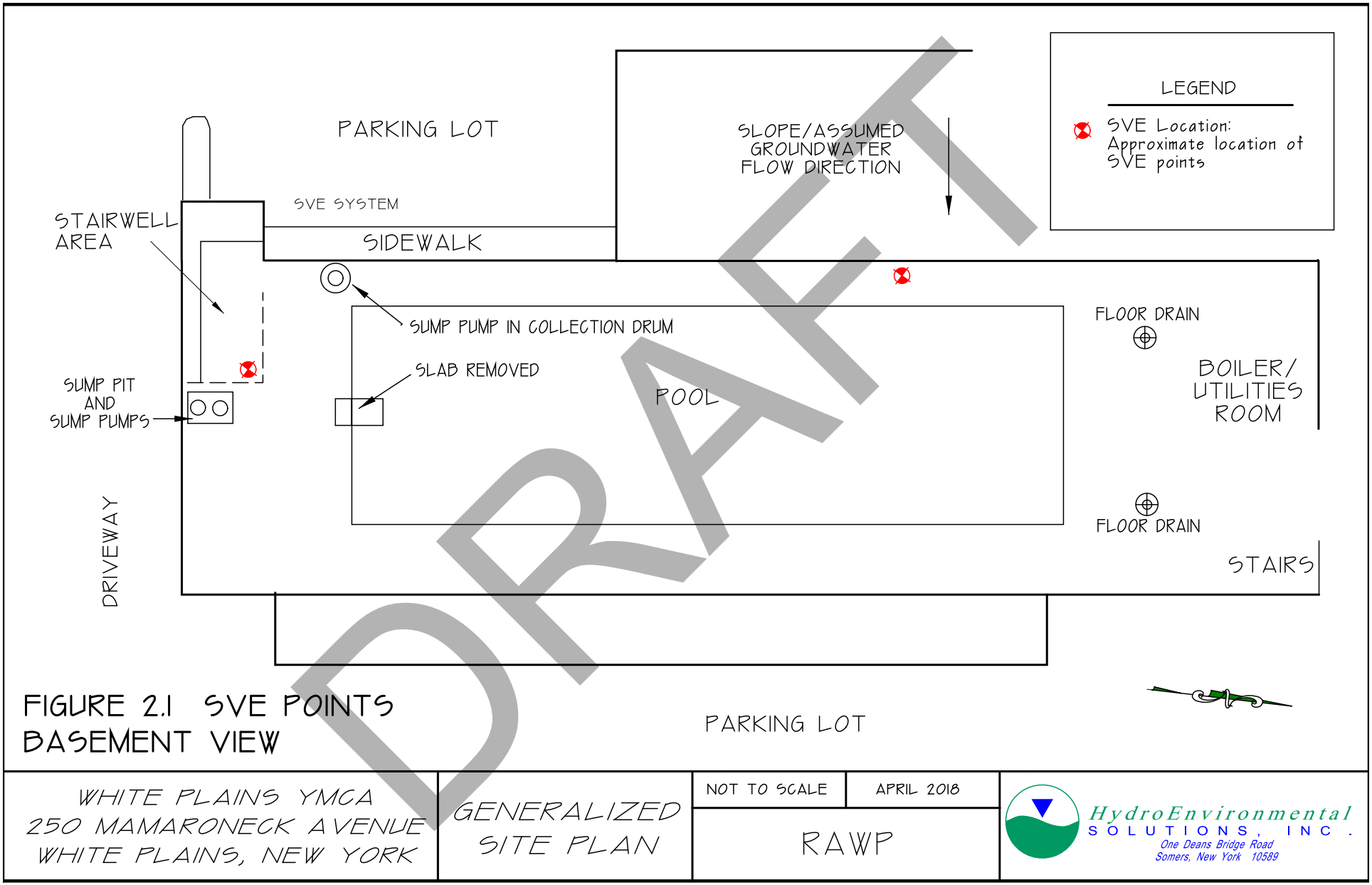


FIGURE 2.1 SVE POINTS
BASEMENT VIEW

WHITE PLAINS YMCA 250 MAMARONECK AVENUE WHITE PLAINS, NEW YORK	GENERALIZED SITE PLAN	NOT TO SCALE / APRIL 2018 RAWP	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589

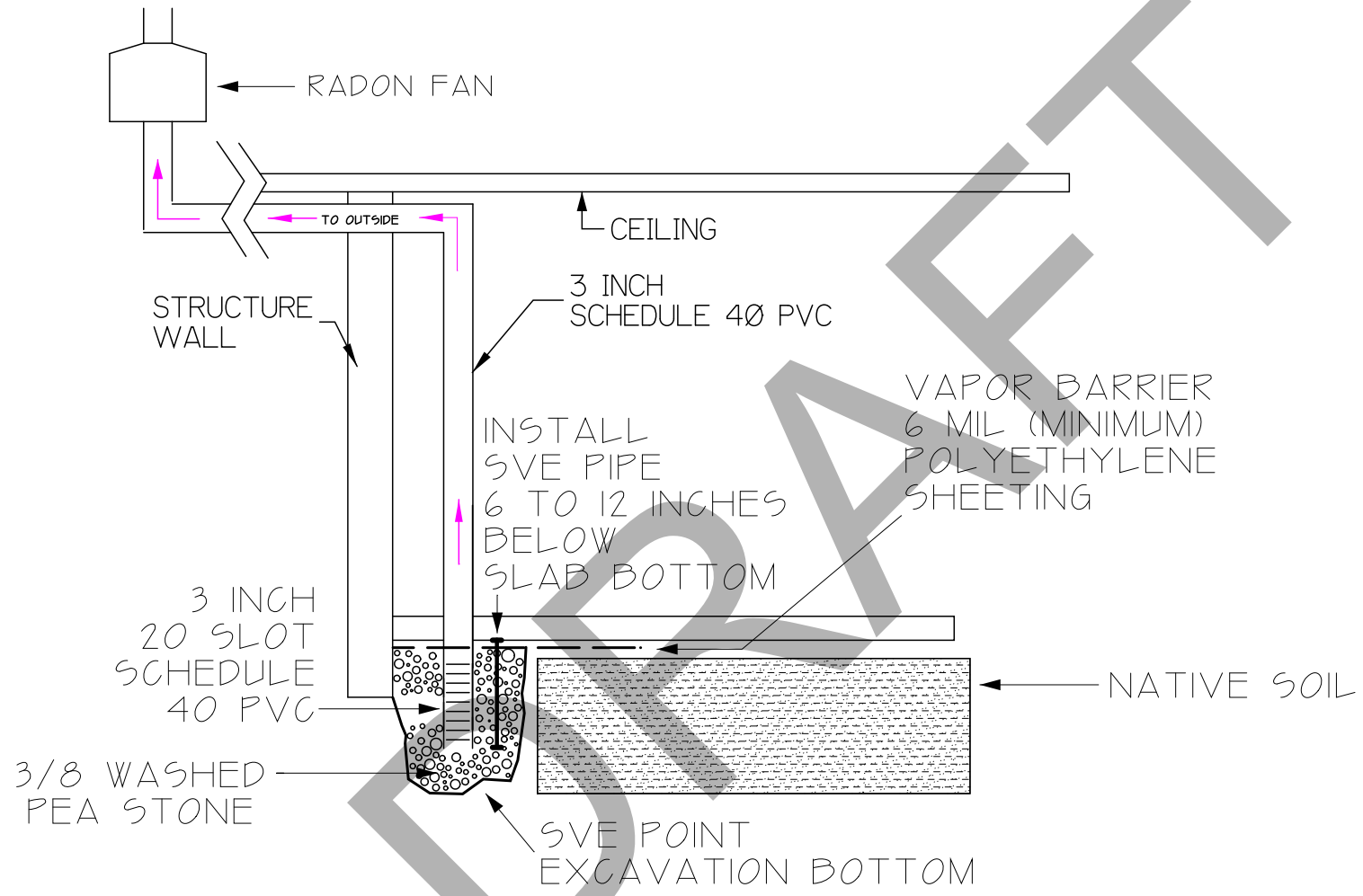


FIGURE 2.2

WHITE PLAINS YMCA 250 MAMARONECK AVENUE WHITE PLAINS, NEW YORK	SVE CROSS-SECTION DETAIL	NOT TO SCALE / APRIL 2018 RAWP	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589

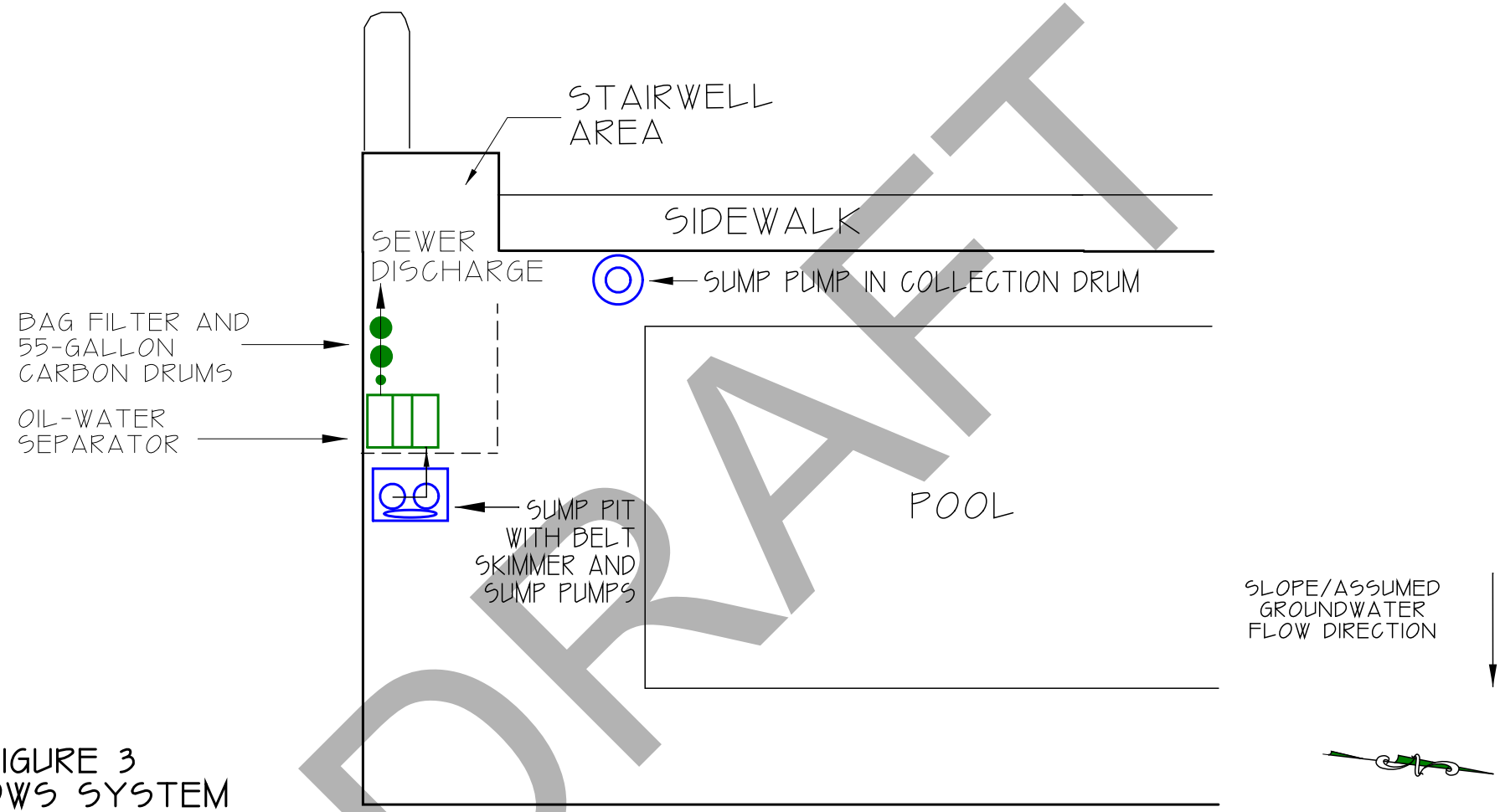


FIGURE 3
OWS SYSTEM
BASEMENT VIEW

WHITE PLAINS YMCA 250 MAMARONECK AVENUE WHITE PLAINS, NEW YORK	GENERALIZED SITE PLAN	NOT TO SCALE / APRIL 2018 RAWP	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589