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November 8th 2018

Nick Acampora
Division of Environmental Remediation
New York State Department of Environmental Conservation
50 Circle Road, SUNY at Stony Brook
Stony Brook NY 11790-3409

RECEIVED
NOV 13 2018
REG 1 - OIL SPILLS

Re: Existing Soil Stockpile Sampling
Former Cibro Terminal Site ID: 130153,
7 Washington Avenue, Island Park NY 11558

Mr. Acampora,

This letter report presents a description of the stockpile management work and sampling results with respect to the existing stockpiles at the former Cibro Terminal site. All work was completed in accord with the approved November 2017 Remedial Action Work Plan (RAWP) and the October 8th 2018 soil stockpile sampling work plan. In response to the NYSDOH comments dated October 12th 2018, Posillico added additional sampling for asbestos fibers to the soil stockpile sampling plan. The sampling frequency for asbestos is described below.

To expedite delivery of sampling results to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH), this soil stockpile sampling letter report presents the results of the Part 375 analytes. Results of the requested asbestos sampling will reported under separate cover due to longer standard turnaround times on the asbestos analytical results.

PROJECT BACKGROUND:

In July 2018 the project was mobilized for initial staging. At mobilization, there were several pre-existing soil stockpiles on-site that were generated during historic site activities. The general site conditions and the estimated stockpile volumes at the time of project mobilization are shown on Figure #1. Due to site conditions, primarily dense overgrown vegetation, the stockpile volumes shown on Figure #1 were estimated.

At the project kick-off meeting on July 31st, 2018 between Posillico and NYSDEC we discussed our stockpile management strategy. Posillico indicated that to facilitate project mobilization, existing stockpiles would be processed and staged in one area of the site and a soil sampling plan developed to characterize those stockpiles. The Existing Soil Stockpile Sampling Plan dated October 12, 2018 was submitted to NYSDEC and NYSDOH for review. The plan provided for analysis of soil for the constituents required by the RWP (e.g., for reuse of site soils) and NYSDEC DER-10 (for use of soils imported to the site) and testing for asbestos as requested by NYSDOH.

STOCKPILE MANAGEMENT:
As of the October 8th soil stockpile sampling plan, stockpiles #1, 3, 4, 5, and 7 (shown on Figure #1) have been processed to remove any debris larger than six-inches and processed material was placed in the clean soil stockpile area along the western perimeter of the property shown on Figure #2. Material from piles #1, 3, and 4 has been placed in soil bin 7/8. Material from piles #5 and 7 has been placed in bin 3-6. Stockpile #13 has been moved to area I3-J4 on Figure #2.

On September 6th, 2018, after the site was grubbed of vegetated overgrowth, a survey drone was flown over the project. Using the data from the drone flight and Virtual Surveyor software the soil stockpile volumes were measured (originally estimated). The updated, measured stockpile volumes are shown in Table #1.

SAMPLING SUMMARY:

The following table describes the original stockpile identifications (Figure #1), lists which soil bin the material was moved into and the approximate size.

Original Stockpile	Moved into Soil Bin #	Measured Volume (cy)	# VOC Samples	# SVOC Samples	# PCB, Pesticide, Metals, and Herbicides	# Asbestos Samples
1,3,4	7/8	3850	8	4	4	1
5, 7	3-6	14050	32	16	16	3
13	NA	1400	4	4	0	1

SAMPLING METHODS STOCKPILE 13:
Posillico dug five test pits on September 10th 2018 into the sidewalls of stockpile #13 using a CAT 308 excavator. The approximate location of the test pits are shown as SP#13-1 through SP#13-5 on Figure 3. This material was on-site material tested for re-use. Grab samples for VOCs were collected from SP#13 test pits #1, #2, #4 and #5. Two composite SVOC samples were collected from SP#13 (test pits 1 and 2) and SP#13 (test pits 3, 4 and 5).

Test pits were photographically logged prior to sample collection. Soil within the test pits were field screened using visual, olfactory, and photo-ionization device (PID) observations. Discrete samples for volatile organic compounds (VOCs) were collected using laboratory-prepared Terra Core sampling kits from the freshly exposed soil exhibiting the highest potential for impacts, organic content, or the smallest grain size. After discrete soil samples were collected, a five-point sample volume was composited. Samples for semi-volatile organic compounds (SVOCs) were collected from the composited sample volumes.

Samples collected on September 10th 2018 for VOCs and SVOCs were stored in a laboratory provided ice-chilled cooler. Samples were transported overnight by common-carrier to Test America's NYS ELAP-accredited laboratory in Buffalo, New York.

During this time in September, Posillico was also sorting material from stockpile #7, which was sampled. The screened material was also sampled, but not reported, because this material was placed into soil bin 3-6 and sampled again with the soil borings described below. Results are attached in the analytical packages, and there were no exceedances over the Restricted Residential or Protection of Groundwater standards.

SAMPLING METHODS SOIL BINS 7/8 AND 3-6:

Posillico contracted Eastern Environmental Solutions, Inc. (Eastern) to assist in the collection of the soil stockpile samples on October 17, 2018. Sampling was performed using a track-mounted Geoprobe model 7822 drill rig. Continuous soil samples were collected up to twenty feet beneath the top of stockpile elevation using a direct-push macro core soil sampling setup. The approximate location of the sample locations are shown on Figure 3.

Sample cores were photographically logged prior to sample collection. Sample cores were field screened using visual, olfactory, and photo-ionization device (PID) observations. Discrete samples for volatile organic compounds (VOCs) were collected using laboratory-prepared Terra Core sampling kits from the core volume exhibiting the highest potential for impacts, organic content, or the smallest grain size. After discrete soil samples were collected, the entire core volume was composited. Samples for semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), herbicides, metals, and asbestos were collected from the composited sample volume.

Samples for VOCs, SVOCs, pesticides, PCBs, herbicides, and metals were stored in a laboratory provided ice-chilled cooler. Samples were transferred same-day to the Test America lab courier and transported to the NYS ELAP-accredited laboratory in Edison, New Jersey. Samples for asbestos were shipped by common-carrier to EMSL's NYS ELAP-accredited laboratory in Cinnaminson, New Jersey.

ROUX Associates and the NYSDEC were present during the soil sampling work, to oversee the sample collection methods.

The samples were collected in accord with the approved RAWP and were analyzed by the following methods as the material was previously imported to the site:

- VOCs - EPA Method 8260C
- SVOCs - EPA method 8270D
- Pesticides - EPA Method 8081B
- PCBs - EPA Method 8082A
- Herbicides - EPA Method 8151A
- Metals - EPA Method 6010D
- Mercury – EPA Method 7471B

STANDARDS, CRITERIA AND GUIDANCE (SCG)

In accord with the section 5.6.6 (Material Reuse On-Site) and section 5.6.9 (Backfill from Off-Site Sources) of the approved November 2017 RAWP the following standards apply to evaluate if soil can be used on the site.

Material Reuse On-Site

- Concentrations of VOCs and SVOCs less than Part 375 Soil Cleanup Objective (SCO) for Restricted-Use, Restricted Residential, Protection of Public Health.
- Site-specific soil cleanup objective (SSSCO) for the top ten VOC tentatively identified compounds (TICs) that are less than 10 ppm total.
- SSSCOs for the top 20 SVOC TICs that are less than 100 ppm total.
- No grossly contaminated soil can be reused.

Imported Backfill

- Imported fill that meet the definition of 6 NYCRR Part 375-6.7(d) for restricted residential uses (use the lower of the protection of groundwater or the protection of public health soil cleanup objectives for restricted residential sites as set forth in Table 375-6.8(b)).

SAMPLING RESULTS SUMMARY

Stockpile #13

Four discrete VOC samples were collected from stockpile #13 and analyzed. The results for VOCs are summarized in Table 2.

Two composite samples were collected from stockpile #13 and analyzed for SVOCs. The results for SVOCs are summarized in Table 3.

There were no exceedances of the part 375 SCOs Restricted-Use, Restricted Residential, Protection of Public Health for VOCs and SVOCs found in samples collected from stockpile #13.

There were no exceedances of the SSSCOs for TICs found in samples collected from stockpile #13.

Soil Bin 7/8:

Eight discrete samples and one duplicate sample were collected from soil bin 7/8 and analyzed for VOCs. The results for VOCs are summarized in Table 2.

Acetone was the only VOC found in samples collected from soil bin 7/8 in exceedance of Part 375 SCO for Restricted-Use, Restricted Residential, Protection of Public Health. In the laboratory QA/QC tests, acetone was found to be skewed high in the MS/MSD samples. Acetone is a common laboratory contaminant therefore those results are not considered indicative of actual impacts to soil.

Four composite samples were collected from soil bin 7/8 and analyzed for SVOC; pesticides; PCBs; herbicides; metals; mercury. The results for these analytes are summarized in Tables 3 through 8.

Benzo[b]fluoranthene was the only exceedance detected for SVOCs found in samples collected from soil bin 7/8 in exceedance of part 375 SCO for Restricted-Use, Restricted Residential, Protection of Public Health. The Part 375 SCO for Restricted Residential, Protection of Public Health for Benzo[b]fluoranthene is 1 ppm. Benzo[b]fluoranthene was found at concentrations slightly higher than restricted-residential SCO with concentrations of 1.1 and 1.4 ppm at depths 0-10' and 10-17' BGS in SB#12.

Chrysene was the only exceedance detected for SVOCs found in samples collected from soil bin 7/8 in exceedance of part 375 SCO for Protection of Groundwater standard at 1.2 ppm at depths 10-17' BGS in SB#13; the standard for Chrysene is 1 ppm.

There were no exceedances of the Part 375 SCOs for Restricted-Use, Restricted Residential, Protection of Public Health for pesticides, PCBs, herbicides, metals, and mercury found in samples collected from soil bin 7/8.

There were no exceedances of the SSSCOs for TICs found in samples collected from soil bin 7/8.

Soil Bin 3-6:
Thirty-two discrete samples and one duplicate sample were collected from soil bin 3-6 and analyzed for VOCs. The results for VOCs are summarized in Table 2.

Sixteen composite samples and one duplicate sample were collected from soil bin 3-6 and analyzed and analyzed for SVOC; pesticides; PCBs; herbicides; metals; mercury. The results for these analytes are summarized in Tables 3 through 8.

There were no exceedances of the Part 375 SCOs for the lower of Restricted-Use, Restricted Residential, Protection of Public Health or Protection of Ground Water for VOCs, SVOCs, pesticides, PCBs, herbicides, metals, and mercury found in samples collected from soil bin 3-6.

There were no exceedances of the SSSCOs for TICs found in samples collected from soil bin 3-6.

CONCLUSIONS AND RECOMMENDATIONS:
Soil tested from stockpile #13 (1400 CY) and from soil bin 3-6 (14,050 CY) can be used on the above reference property without restrictions.

Soil tested from soil bin 7/8 (3850 CY) in the area of SB #12 will be delineated as shown on Figure #3; the soil from this cell will be isolated, and pending NYSDEC approval, used for placement below the soil cover/cap. The remaining soil from soil bin 7/8 can be used on the above reference property without restrictions.

Feel free to reach out if you have any questions or concerns.

Regards,

James Smyth
Environmental Engineer

cc:
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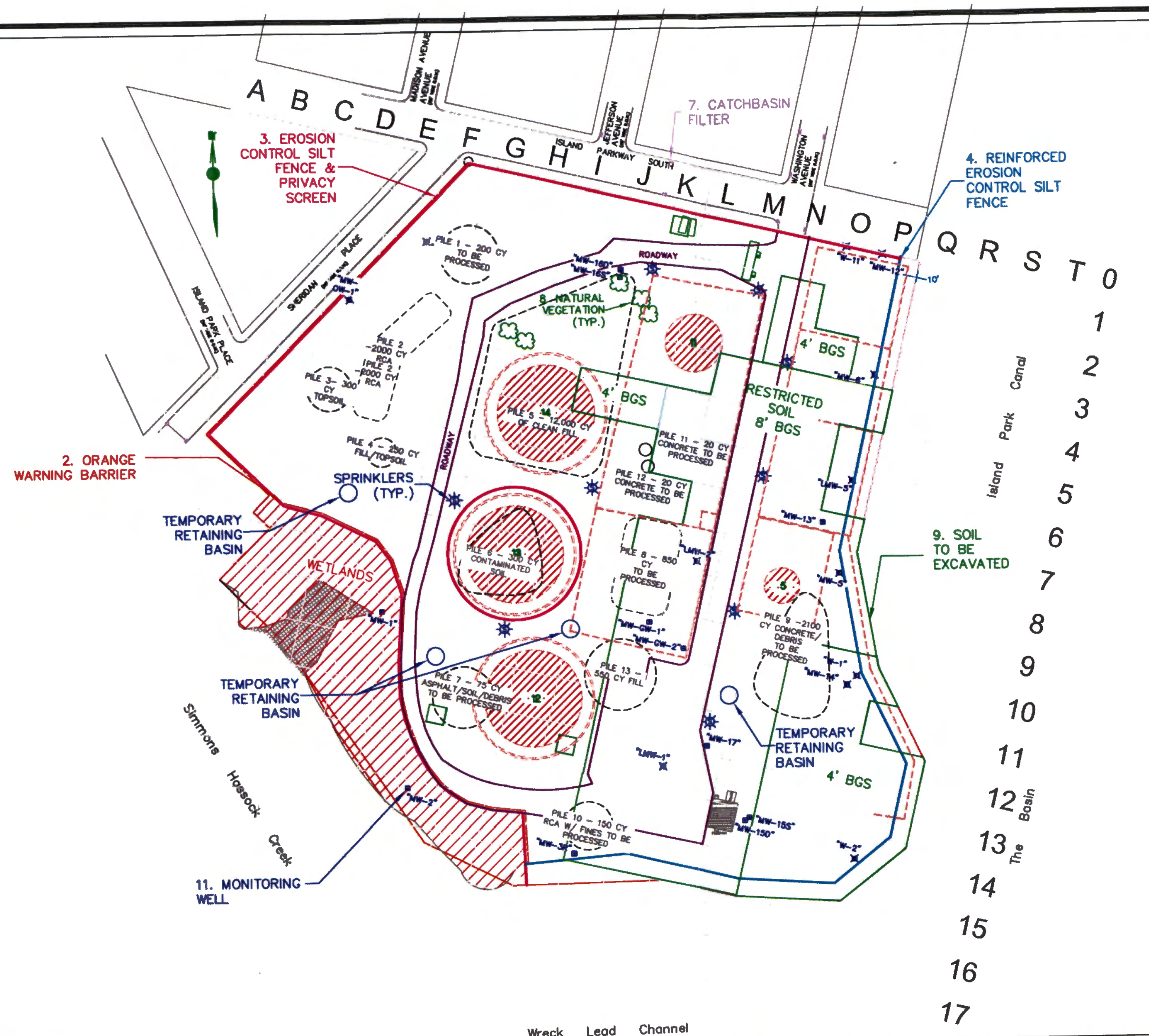

KEY

- 2. ORANGE WARNING BARRIER
- 3. EROSION CONTROL SILT FENCE
- 4. REINFORCED EROSION CONTROL SILT FENCE
- 5. SPRINKLERS
- 6. WELLS
- 7. CATCHBASIN FILTER
- 8. NATURAL VEGETATION
- 9. SOIL TO BE EXCAVATED
- 10. CONCRETE WALLS
- 11. MONITORING WELL—DAMAGED OR DESTROYED
- 12. MONITORING WELL

REVISIONS/ISSUES			
NO.	DATE	BY	DESCRIPTION
0	8/1/2018	DP	Original Drawing
1	8/23/2018	MB	Revised Grid Layout
2	10/8/2018	MB	Revised Title Block

PDC HARBOR ISLE
7 WASHINGTON AVE, ISLAND PARK NY 11558
FIGURE 1: INITIAL SITE CONDITIONS

DRAWN BY: DP | CHECKED BY: JRS | DATE: 08/01/18

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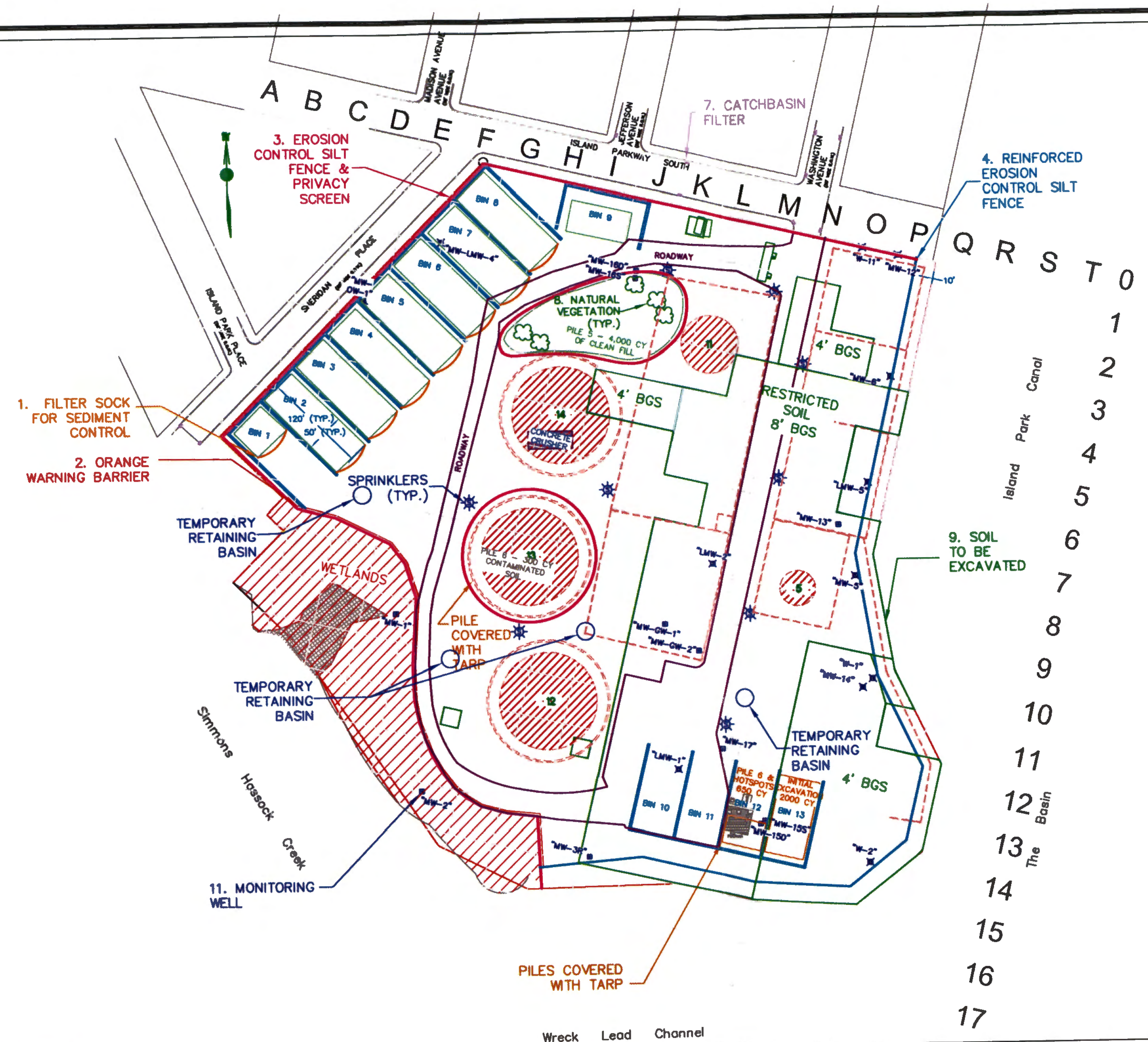
1750 New Highway
Farmingdale, New York 11735
(631) 249-1872



KEY

1. FILTER SOCK	
2. ORANGE WARNING BARRIER	
3. EROSION CONTROL SILT FENCE	
4. REINFORCED EROSION CONTROL SILT FENCE	
5. SPRINKLERS	
6. WELLS	
7. CATCHBASIN FILTER	
8. NATURAL VEGETATION	
9. SOIL TO BE EXCAVATED	
10. CONCRETE WALLS	
11. MONITORING WELL-DAMAGED OR DESTROYED	
12. MONITORING WELL	

REVISIONS/ISSUES

NO.	DATE	BY	DESCRIPTION
0	8/1/2018	DP	Original Drawing
1	8/23/2018	MB	Revised Grid Layout
2	10/8/2018	MB	Revised Title Block

PDC HARBOR ISLE
7 WASHINGTON AVE, ISLAND PARK NY 11558
FIGURE 2: PHASE 1

DRAWN BY: DP | CHECKED BY: JRS | DATE: 08/01/18

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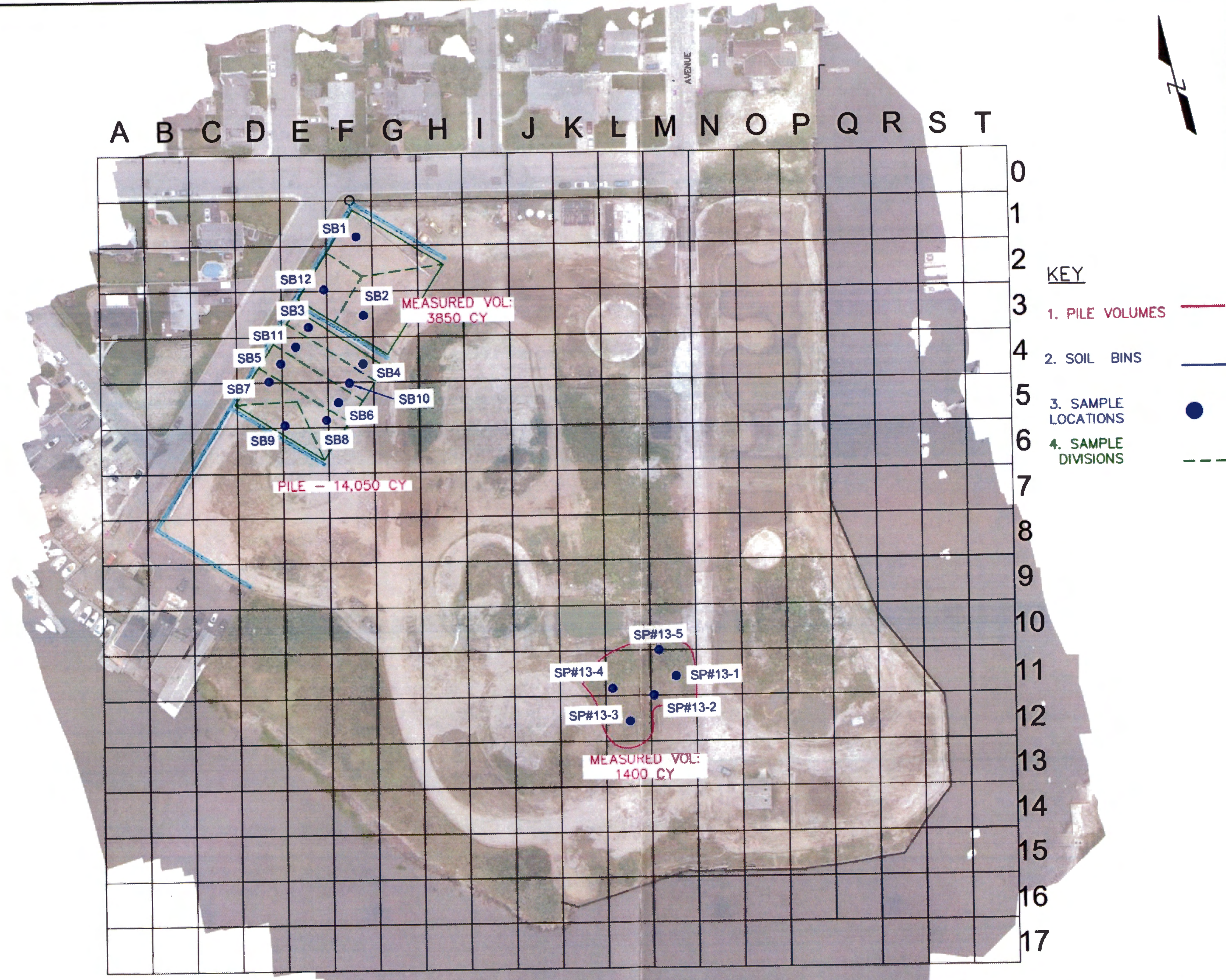

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1750 New Highway
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Revisions/Issues

No	Date	By	Description
1	11/2/18	MB	Sample Locations

Licensed Surveyor

Signature: Date:

Title
SOIL STOCKPILE
SAMPLING LOCATIONS

Project
HARBOR ISLE

Date
NOVEMBER 2, 2018

Scale

Drawn by MB
Checked by JS

Drawing No.
FIGURE 3

November 8th 2018

Former Cibro Terminal Site ID: 130153
7 Washington Avenue, Island Park NY 11558

Table #1: Soil Stockpile Location and Volumes

Pile #	Bin #	Volume (CY)	Source	Proposed Samples	Asbestos Samples
1, 3, 4	7, 8	3850	Unknown Off-site	8 discrete samples to be analyzed for TCL VOC + 10 TICS and 4 composite samples to be analyzed for TCL SVOC + 20 TICS, TCL Pesticides, TCL PCBs, TCL herbicides, and TCL Metals	1 Sample PLM Quantitative and TEM Qualitative and subsequently TEM Quantitive if a positive qualitatively
5, 7	3, 4, 5, 6	14050	Unknown Off-site	30 discrete samples to be analyzed for TCL VOC + 10 TICS and 15 composite samples to be analyzed for TCL SVOC + 20 TICS, TCL Pesticides, TCL PCBs, TCL herbicides, and TCL Metals	3 Samples PLM Quantitative and TEM Qualitative and subsequently TEM Quantitive if a positive qualitatively
13	Not Moved	1400	On-site	4 discrete samples to be analyzed for TCL VOC + 10 TICS and 2 composite samples to be analyzed for TCL SVOC + 20 TICS	1 Sample PLM Quantitative and TEM Qualitative and subsequently TEM Quantitive if a positive qualitatively

November 2018
Former Cibro Petroleum Terminal Site
Brownfield Cleanup Site C130153
Island Park, New York

Table 2
Results Summary for Volatile Organic Compounds (VOCs) BY 8260C

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B7R-SB1-5'-5'	B7-8-SB1-15'-15'	B7-8-SB2-5'-15'	B7R-SB2-15'-17'	B3-4-5-6-SB3-5'-15'	B3-4-5-6-SB3-15'-25'	B3-4-5-6-SB4-5'-10'	B3-4-5-6-SB4-15'-25'	B3-4-5-6-SB6-5'-5'	B3-4-5-6-SB5-5'-15'	B3-4-5-6-SB4-15'-15'	B3-4-5-6-SB5-15'-25'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	1	1	1	1	1	1	1	1	1	1	1
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (VOCs) BY 8260C	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2,4-Trimethylbenzene	100000	1100	NR	NR	NR	NR	13	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NA	NA	NR	NR	NR	NR	5.4	NR	NR	NR	NR	NR	NR	NR
2-Butanone (MEK)	NA	300	6.7 J	13	17	11	NR	NR	NR	NR	NR	NR	NR	NR
Acetone	100000	50	170	74	73	28	NR	NR	11	9.7	NR	NR	NR	6.2
Benzene	4800	60	NR	NR	NR	NR	0.94	NR	NR	NR	NR	0.26 J	NR	NR
Ethylbenzene	41000	1000	NR	NR	NR	NR	1.3	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	100000	930	NR	NR	NR	NR	0.21 J	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	100000	50	2.6	2.1	2.7	2.6	2.7	0.82	4.9	2.6	2.4	2.3	1.5	3.4
N-Propylbenzene	100000	3900	NR	NR	NR	NR	0.56 J	NR	NR	NR	NR	NR	NR	NR
sec-Butylbenzene	100000	11000	NR	NR	NR	NR	0.12 J	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	19000	1300	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Toluene	100000	700	NR	NR	NR	NR	2.6	NR	NR	NR	NR	0.94	NR	NR
Trichloroethene	21000	470	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.22 J	NR
Xylenes, Total	100000	1600	NR	NR	NR	NR	22	NR	NR	NR	NR	NR	NR	NR
Total Conc	NA	NA	179.3	89.1	92.7	41.6	48.83	0.82	15.9	12.3	2.4	3.5	1.72	9.6
Total Estimated Conc. (TICs)	SSSCO: 10000						69.8							

B : The analyte was found in an associated blank, as well as in the sample.

J : Indicates an estimated value.

Posillico

November 2018
Former Cibro Petroleum Terminal Site
Brownfield Cleanup Site C130153
Island Park, New York

Table 2 (Cont'd)
Results Summary for Volatile Organic Compounds (VOCs) BY 8260C

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-5-6-SB6-0'-5'	B3-4-5-6-SB6-5'-10'	B3-4-5-6-SB6-10'-15'	B3-4-5-6-SB6-15'-20'	B3-4-5-6-SB7-0'-5'	B3-4-5-6-SB7-5'-10'	B3-4-5-6-SB7-10'-15'	B3-4-5-6-SB7-15'-20'	B3-4-5-6-SB8-0'-5'	B3-4-5-6-SB8-5'-10'	B3-4-5-6-SB8-10'-15'	B3-4-5-6-SB8-15'-20'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	1	1	1	1	1	1	1	1	1	1	1
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (VOCs) BY 8260C	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2,4-Trimethylbenzene	100000	1100	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.19 J
1,3,5-Trimethylbenzene	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.15 J
2-Butanone (MEK)	NA	300	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.2 J
Acetone	100000	50	NR	NR	NR	3.9	NR	NR	NR	7.8	NR	NR	NR	26
Benzene	4800	60	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Ethylbenzene	41000	1000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	100000	930	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	100000	50	0.28 J	0.11 J	0.22 J	1.6	2.6 B	0.87	0.92	2.3	1.9	0.53 J	0.29	3.2
N-Propylbenzene	100000	3900	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-Butylbenzene	100000	11000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	19000	1300	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.15 J
Toluene	100000	700	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichloroethene	21000	470	NR	NR	NR	0.13 J	NR	0.20 J	NR	NR	0.16 J	NR	NR	NR
Xylenes, Total	100000	1600	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Conc	NA	NA	0.28	0.11	0.22	5.63	2.6	1.07	0.92	10.1	2.06	0.53	0.29	32.89
Total Estimated Conc. (TICs)	SSSCO: 10000													

B : The analyte was found in an associated blank, as well as in the sample.

J : Indicates an estimated value.

November 2018
Former Cibro Petroleum Terminal Site
Brownfield Cleanup Site C130153
Island Park, New York

Table 2 (Cont'd)
Results Summary for Volatile Organic Compounds (VOCs) BY 8260C

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-5-6-SB9-5'-5'	B3-4-5-6-SB9-5'-15'	B3-4-5-6-SB9-15'-15'	B3-4-5-6-SB9-15'-25'	B3-4-5-6-SB10-5'-5'	B3-4-5-6-SB10-5'-15'	B3-4-5-6-SB10-15'-15'	B3-4-5-6-SB10-15'-25'	B3-4-5-6-SB11-5'-5'	B3-4-5-6-SB11-5'-15'	B3-4-5-6-SB11-15'-15'	B3-4-5-6-SB11-15'-25'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	1	1	1	1	1	1	1	1	1	1	1
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (VOCs) BY 8260C	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2,4-Trimethylbenzene	100000	1100	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone (MEK)	NA	300	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetone	100000	50	NR	7.1	NR	NR	NR	NR	13	NR	NR	NR	NR	NR
Benzene	4800	60	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Ethylbenzene	41000	1000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	100000	930	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	100000	50	1.7 B	2.1	3.5	0.69 JB	NR	0.79 J	4.9	2.1	0.88	1.2	0.47 J	3.4
N-Propylbenzene	100000	3900	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-Butylbenzene	100000	11000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	19000	1300	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Toluene	100000	700	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.99	NR	NR
Trichloroethene	21000	470	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Xylenes, Total	100000	1600	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Conc	NA	NA	1.7	9.2	3.5	0.69	NR	0.79	17.9	2.1	0.88	2.19	0.47	3.4
Total Estimated Conc. (TICs)	SSSCO: 10000													

B : The analyte was found in an associated blank, as well as in the sample.

J : Indicates an estimated value.

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Table 2 (Cont'd)
Results Summary for Volatile Organic Compounds (VOCs) BY 8260C

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	DUP 1	B7/8-#12 (0'-5')	B7/8-#12 (5'-10')	B7-8-SB12-10'-15'	B7-8-SB12-15'-20'	DUP 2	SP#13-1	SP#13-4	SP#13-2	SP#13-5
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	09/10/18	09/10/18	09/10/18	09/10/18
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	1	1	1	1	1	1	1	1	1
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (VOCs) BY 8260C	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2,4-Trimethylbenzene	100000	1100	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone (MEK)	NA	300	NR	4.5 J	1.7	16	34	25	NR	NR	NR	NR
Acetone	100000	50	NR	88	4.7	260	480	260	24 U	9.8 J	29	13 J
Benzene	4800	60	NR	0.75 J	NR	NR	0.26 J	NR	NR	NR	NR	NR
Ethylbenzene	41000	1000	NR	0.27 J	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	100000	930	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	100000	50	3.7	1.5	3.4	2.7	5.2	0.76 J	NR	NR	NR	NR
N-Propylbenzene	100000	3900	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-Butylbenzene	100000	11000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	19000	1300	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Toluene	100000	700	NR	6.3	0.75	NR	NR	NR	NR	NR	NR	NR
Trichloroethene	21000	470	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Xylenes, Total	100000	1600	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Conc	NA	NA	3.7	101.32	10.55	278.7	519.46	285.76	0.0	9.8	29.0	13.0
Total Estimated Conc. (TICs)	SSSCO: 10000			13					0.0	0.0	8.6	39.0

B : The analyte was found in an associated blank, as well as in the sample.

J : Indicates an estimated value.

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Table 3
Results Summary for Semi-Volatile Organic Compounds (SVOCs) BY 8270D

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B7-9-SB1-9'-11'		B7-9-SB2-9'-20'		B3-4-5-6-SB3-5'-20'		B3-4-5-6-SB4-5'-20'		B3-4-5-6-SB5-5'-10'		B3-4-5-6-SB5-10'-20'		B3-4-5-6-SB6-5'-5'		B3-4-5-6-SB6-10'-20'		B3-4-5-6-SB7-5'-10'		B3-4-5-6-SB7-10'-20'		B3-4-5-6-SB11-10'-20'		B3-4-5-6-SB8-5'-10'	
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018	
Matrix	Restricted Residential	GW	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Soil Cleanup	Soil Cleanup	1		1		1		1		1		1		1		1		1		1		1		1	
Units	ug/kg	ug/kg	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Semi-Volatile Organic Compounds (SVOCs) by 8270D	Criteria	Criteria	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
3 & 4 Methylphenol	NA	NA	NR		NR		NR		NR		NR		NR		NR		NR		NR		NR		NR		NR	
Acenaphthene	100000	98000	44	J	46		NR		NR		NR		NR		NR		NR		NR		NR		NR		NR	
Acenaphthylene	100000	107000	43	J	NR		NR		NR		17	J	11	J	29	J	NR		25	J	17	J	NR		23	J
Anthracene	100000	100000	150	J	100	J	19	J	39	J	48	J	32	J	100	J	59	J	54	J	56	J	19	J	34	J
Benzo[a]anthracene	1000	1000	610		450		110		170		270		140		430		340		220		240		77		180	
Benzo[a]pyrene	1000	22000	620		440		120		200		280		150		410		300		230		240		92		210	
Benzo[b]fluoranthene	1000	1700	900		680		180		310		470		250		680		530		370		380		150		340	
Benzo[g,h,i]perylene	100000	1000000	380		230	J	92	J	110	J	170	J	100	J	190	J	170	J	150	J	130	J	93	J	100	J
Benzo[k]fluoranthene	3900	1700	290		210		60		97		150		88		190		130		110		140		63		120	
Chrysene	3900	1000	660		510		120	J	200	J	320	J	160		520		410		260	J	280	J	89	J	220	J
Dibenz(a,h)anthracene	330	1000000	71		50		NR		23	J	31	J	24	J	64		33	J	26	J	27	J	NR		NR	
Dibenzofuran	59000	6200	28	J	20	J	NR		NR		NR		NR		20	J	NR		NR	J	12	J	NR		NR	
Fluoranthene	100000	1000000	1300		910		220	J	340	J	530		290	J	1000		730		440		440		140		330	J
Fluorene	386000	NA	49	J	37	J	NR		11	J	16	J	NR		34	J	13	J	11	J	16	J	NR		NR	
Indeno[1,2,3-cd]pyrene	500	8200	410		260		91		130		200		110		230		200		170		150		95		110	
Naphthalene	100000	12000	47	J	35	J	NR		NR		17	J	10	J	35	J	11	J	21	J	21	J	NR		20	J
Phenanthrene	100000	1000000	650		410		66	J	150	J	260	J	150	J	540		320	J	180	J	190	J	71	J	140	J
Pyrene	100000	1000000	1100		850		200	J	320	J	480		260	J	840		680		390		420		130	J	320	J
Total Conc	NA	NA	7352		5238		1278		2100		3259		1775		5312		3926		2657		2759		1019		2147	
Total Estimated Conc. (TICs)	SSSCO: 100000		4230		7230		2830		3300		1800		2120		3240		1810		4020		4660		3660		3320	

* : LCS or LCSD is outside acceptance limits.

J : Indicates an estimated value.

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Table 3 (Cont'd)
Results Summary for Semi-Volatile Organic Compounds (SVOCs) BY 8270D

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-5-6-SB9-15'-20'		B3-4-5-6-SB9-5'-15'		B3-4-5-6-SB9-15'-15'		DUP 1		B3-4-5-6-SB10-5'-15'		B3-4-5-6-SB10-15'-20'		B3-4-5-6-SB11-5'-15'		B7-8-SB12-15'-20'		SB7-#12 (5'-10')		SP#13-1,2	
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		9/10/2018	
Matrix	Restricted Residential	GW	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Soil Cleanup	Soil Cleanup	1		1		1		1		1		1		1		1		1		20	
Units	ug/kg	ug/kg	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Semi-Volatile Organic Compounds (SVOCs) by 8270D	Criteria	Criteria	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
3 & 4 Methylphenol	NA	NA	NR		NR		NR		NR		NR		NR		NR		17	J	18	J	NR	
Acenaphthene	100000	98000	NR		NR		NR		NR		29	J	NR		NR		67	J	41	J	NR	
Acenaphthylene	100000	107000	24	J	12	J	17	J	12	J	29	J	NR		NR		32	J	23	J	NR	
Anthracene	100000	100000	34	J	20	J	24	J	49	J	120	J	NR		25	J	360	J	180	J	NR	
Benzo[a]anthracene	1000	1000	140		92		140		160		370		49		110		1000		830		NR	
Benzo[a]pyrene	1000	22000	160		110		150		150		280		76		120		810		680		NR	
Benzo[b]fluoranthene	1000	1700	280		170		260		260		490		110		210		1400		1100		NR	
Benzo[g,h,i]perylene	100000	1000000	130	J	79	J	110	J	98	J	140	J	120	J	91	J	300	J	310	J	NR	
Benzo[k]fluoranthene	3900	1700	110		61		88		83		170		36		62		530		430		NR	
Chrysene	3900	1000	180	J	110	J	170	J	180	J	340	J	64	J	140	J	1200		840		NR	
Dibenz(a,h)anthracene	330	1000000	NR		NR		19	J	16	J	27	J	24	J	16	J	71		91		NR	
Dibenzofuran	59000	6200	NR		NR		NR		15	J	21	J	NR		NR		36	J	23	J	NR	
Fluoranthene	100000	1000000	270	J	170	J	250		350		790		78	J	210	J	2800		1700		NR	
Fluorene	386000	NA	NR		NR		NR		19	J	45	J	NR		10	J	73	J	38	J	NR	
Indeno[1,2,3-cd]pyrene	500	8200	140		80		110		100		160		120		91		390		340		NR	
Naphthalene	100000	12000	22	J	NR		13	J	15	J	NR		NR		12	J	24	J	60	J	NR	
Phenanthrene	100000	1000000	110	J	86	J	110	J	250	J	520		42	J	110	J	1100		650		NR	
Pyrene	100000	1000000	260	J	170	J	230	J	310	J	640		76	J	190	J	2400		1600		NR	
Total Conc	NA	NA	1860		1160		1691		2067		4171		795		1397		12610		8954		0.0	
Total Estimated Conc. (TICs)	SSSCO: 100000		2740		2500		2120		2320		3360		1530		1970		8520		6610		5500	

* : LCS or LCSD is outside acceptance limits.

J : Indicates an estimated value.

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Table 4
Results Summary for Pesticides BY 8081B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B7-8-SB1-0'-17'	B7-8-SB2-0'-20'	B3-4-5-6-SB3-0'-20'	B3-4-5-6-SB4-0'-20'	B3-4-5-6-SB5-0'-10'	B3-4-5-6-SB6-0'-5'	B3-4-5-6-SB6-10'-20'	B3-4-5-6-SB7-0'-10'	B3-4-5-6-SB11-10'-20'	B3-4-5-6-SB8-0'-10'	B3-4-5-6-SB8-10'-20'	B3-4-5-6-SB9-0'-10'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	1	1	1	1	1	1	1	1	1	1	1
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Pesticides by 8081B	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4,4'-DDD	13000	14000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4,4'-DDE	8900	17000	NR	3.6 J	3.7 J	3.8 J	5.3 J	4.7 J	14	NR	4.7 J	NR	7.5 J	2.0 Jp
4,4'-DDT	7900	136000	6.2	8.8	4.2 Jp	4.1 Jp	NR	7.8	NR	3.9 Jp	5.2 Jp	4.9 Jp	9.5	4.6 Jp
cis-Chlordane	4200	2900	14	9.5	NR	NR	13 p	23 p	NR	NR	NR	NR	28 p	6.6 Jp
Dieldrin	200	100	6.6	5.2	NR	NR	5.9	NR	NR	NR	NR	5.8	NR	2.1 Jp
Heptachlor	2100	380	NR	NR	NR	NR	NR	5.8 J	NR	NR	NR	NR	NR	NR

J : Indicates an estimated value.

p : The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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Table 4 (Cont'd)
Results Summary for Pesticides BY 8081B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-5-6-SB8-10'-15'		DUP 1		B3-4-5-6-SB10-5'-10'		B3-4-5-6-SB10-15'-25'		B3-4-5-6-SB11-5'-15'		B7-8-SB12-15'-25'	
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018	
Matrix	Restricted Residential	GW	Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Soil Cleanup	Soil Cleanup	1		1		1		1		1		1	
Units	ug/kg	ug/kg	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Pesticides by 8081B	Criteria	Criteria	Result		Result		Result		Result		Result		Result	
4,4'-DDD	13000	14000	NR		NR		5.4	Jp	NR		NR		NR	
4,4'-DDE	8900	17000	5.7	J	3.7	J	4.4	J	2.0	Jp	3.8	J	10	
4,4'-DDT	7900	136000	6.7	J	5.7	J	6.2	Jp	6.2	Jp	5.5	Jp	NR	
cis-Chlordane	4200	2900	11	p	NR		NR		NR		NR		81	
Dieldrin	200	100	2.9	p	NR		5.4		NR		NR		27	
Heptachlor	2100	380	NR		NR		NR		NR		NR		9.6	

J : Indicates an estimated value.

p : The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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Table 5
Results Summary for Polychlorinated Biphenyls (PCBs) by 8082A

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-5-6-SB7-16'-20'	SB7-#12 (6'-10')
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	1
Units	ug/kg	ug/kg	ug/kg	ug/kg
Polychlorinated Biphenyls (PCBs) by 8082A	Criteria	Criteria	Result	Result
Aroclor 1248	NA	NA	NR	790
Aroclor 1254	NA	NA	350	NR
Polychlorinated biphenyls, Total	1000	3200	350	790

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Table 6
Results Summary for Metals by 6010D and Mercury by 7471B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B7-8-SB1-8'-17'	B7-8-SB1-8'-17'	B7-8-SB2-0'-20'	B7-8-SB2-8'-20'	B3-4-5-6-SB3-8'-20'	B3-4-5-6-SB3-8'-20'	B3-4-5-6-SB3-8'-20'	B3-4-5-6-SB4-8'-20'	B3-4-5-6-SB5-8'-16'	B3-4-5-6-SB5-8'-16'	B3-4-5-6-SB6-16'-20'	B3-4-5-6-SB6-16'-20'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	4	1	4	1	4	1	4	1	4	1	4
Units	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Metals by 6010D	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Arsenic	NA	16	NR	3.5	NR	3.2	NR	3.5	NR	2.8 J	NR	3.1 J	NR	2.9 J
Mercury by 7471B	0.81	0.73	0.093	NR	0.052	NR	0.064	NR	0.048	NR	0.049	NR	0.041	NR
Barium	400	820	NR	33.7 J	NR	30.3 J	NR	33.7 J	NR	30.1 J	NR	37.8 J	NR	31.3 J
Beryllium	72	47	NR	0.32 J	NR	0.17 J	NR	0.19 J	NR	0.20 J	NR	0.19 J	NR	0.19 J
Cadmium	4.3	7.5	NR	0.21 J	NR	0.23 J	NR	NR	NR	NR	NR	0.14 J	NR	0.19 J
Chromium	NA	NA	NR	14.1	NR	13.8	NR	15.1	NR	14.8	NR	20.3	NR	25.6
Copper	270	1720	NR	17.7	NR	12.6	NR	15.5	NR	13.8	NR	17.8	NR	22.1
Lead	400	450	NR	41.4	NR	50.1	NR	47.6	NR	42.5	NR	44.4	NR	67.2
Manganese	2000	2000	NR	108	NR	83.9	NR	118	NR	99.0	NR	111	NR	126
Nickel	310	130	NR	8.5	NR	6.3 J	NR	7.3 J	NR	6.4 J	NR	8.2 J	NR	7.8 J
Silver	180	8.3	NR	0.58 J	NR	0.75 J	NR	NR	NR	NR	NR	NR	NR	0.34 J
Zinc	10000	2480	NR	51.7	NR	41.6	NR	51.8	NR	47.1	NR	53.1	NR	64.4

J : Sample result is greater than the MDL but below the CRDL

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Table 6 (Cont'd)
Results Summary for Metals by 6010D and Mercury by 7471B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-6-6-SB6-0'-5'		B3-4-5-6-SB6-0'-5'		B3-4-6-6-SB6-15'-20'		B3-4-5-6-SB6-15'-20'		B3-4-6-6-SB7-5'-15'		B3-4-5-6-SB7-5'-15'		B3-4-6-6-SB7-15'-20'		B3-4-5-6-SB7-15'-20'		B3-4-5-6-SB11-15'-20'		B3-4-6-6-SB11-15'-20'		B3-4-6-6-SB8-5'-15'		B3-4-5-6-SB8-5'-15'	
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018	
Matrix	Restricted Residential	GW	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Soil Cleanup	Soil Cleanup	1		4		1		4		1		4		1		4		1		4		1		4	
Units	mg/kg	mg/kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals by 6010D	Criteria	Criteria	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Arsenic	NA	16	NR		3.6		NR		3.9		NR		2.9	J	NR		3.0	J	NR		3.2		NR		3.5	
Mercury by 7471B	0.81	0.73	0.054		NR		0.16		NR		0.058		NR		0.046		NR		0.043		NR		0.049		NR	
Barium	400	820	NR		41.8	J	NR		33.0	J	NR		27.1	J	NR		33.8	J	NR		36.9	J	NR		32.1	J
Beryllium	72	47	NR		0.20	J	NR		0.23	J	NR		0.18	J	NR		0.20	J	NR		0.20	J	NR		0.21	J
Cadmium	4.3	7.5	NR		NR		NR		NR		NR		NR		NR		0.14	J	NR		NR		NR		NR	
Chromium	NA	NA	NR		13.8		NR		17.7		NR		15.9		NR		21.2		NR		16.9		NR		13.9	
Copper	270	1720	NR		20.3		NR		15.3		NR		13.2		NR		17.5		NR		16.7		NR		14.6	
Lead	400	450	NR		59.1		NR		47.7		NR		34.1		NR		41.0		NR		41.7		NR		40.0	
Manganese	2000	2000	NR		152		NR		120		NR		95.6		NR		241		NR		104		NR		118	
Nickel	310	130	NR		10.3		NR		8.0	J	NR		7.1	J	NR		7.9	J	NR		7.0	J	NR		7.7	J
Silver	180	8.3	NR		NR		NR		NR		NR		NR		NR		NR		NR		NR		NR		NR	
Zinc	10000	2480	NR		50.6		NR		47.7		NR		41.4		NR		51.8		NR		49.1		NR		45.3	

J : Sample result is greater than the MDL but below the CRDL

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Table 6 (Cont'd)
Results Summary for Metals by 6010D and Mercury by 7471B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-5-6-SS8-15'-20'	B3-4-5-6-SS8-15'-20'	B3-4-5-6-SS9-5'-15'	B3-4-5-6-SS9-5'-15'	B3-4-5-6-SS9-10'-15'	B3-4-5-6-SS9-10'-15'	DUP 1	DUP 1	B3-4-5-6-SB10-5'-10'	B3-4-5-6-SB10-5'-10'	B3-4-5-6-SB10-15'-20'	B3-4-5-6-SB10-15'-20'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup	1	4	1	4	1	4	1	4	1	4	1	4
Units	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Metals by 6010D	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Arsenic	NA	16	NR	4.7	NR	3.2	NR	3.2	NR	3.0	NR	2.9 J	NR	2.7 J
Mercury by 7471B	0.81	0.73	0.066	NR	0.043	NR	0.049	NR	0.050	NR	0.054	NR	0.038	NR
Barium	400	820	NR	68.7	NR	43.3	NR	28.5 J	NR	35.0 J	NR	28.2 J	NR	27.9 J
Beryllium	72	47	NR	0.28 J	NR	0.19 J	NR	0.19 J	NR	0.20 J	NR	0.19 J	NR	0.18 J
Cadmium	4.3	7.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	NA	NA	NR	17.2	NR	20.4	NR	11.4	NR	17.4	NR	13.8	NR	18.8
Copper	270	1720	NR	18.6	NR	15.4	NR	12.9	NR	16.0	NR	13.8	NR	16.4
Lead	400	450	NR	49.7	NR	38.3	NR	34.1	NR	74.7	NR	39.0	NR	96.0
Manganese	2000	2000	NR	170	NR	121	NR	97.1	NR	135	NR	101	NR	104
Nickel	310	130	NR	10.7 J	NR	10.3	NR	6.2 J	NR	7.7 J	NR	8.0 J	NR	7.2 J
Silver	180	8.3	NR	NR	NR	NR	NR	0.20 J	NR	NR	NR	NR	NR	NR
Zinc	10000	2480	NR	59.5	NR	45.1	NR	48.1	NR	46.3	NR	43.6	NR	44.2

J : Sample result is greater than the MDL but below the CRDL

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Table 6 (Cont'd)
Results Summary for Metals by 6010D and Mercury by 7471B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B3-4-6-8-SB11-8'-10'		B3-4-6-8-SB11-8'-10'		B7-8-SB12-16'-20'		B7-8-SB12-16'-20'		SB7-#12 (8'-10')		SB7-#12 (8'-10')		PDC at Harbor 1-FBlank 1	
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018	
Matrix	Restricted Residential	GW	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Soil Cleanup	Soil Cleanup	1		4		1		4		1		1		4	
Units	mg/kg	mg/kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals	Criteria	Criteria	Result		Result		Result		Result		Result		Result		Result	
Arsenic	NA	16	NR		3.2		NR		5.4		NR		3.6		NR	
Mercury by 7471B	0.81	0.73	0.050		NR		0.099		NR		0.083		NR		NR	
Barium	400	820	NR		32.4	J	NR		54.1	J	NR		36.4	J	NR	
Beryllium	72	47	NR		0.21	J	NR		0.65		NR		0.31	J	NR	
Cadmium	4.3	7.5	NR		0.15	J	NR		0.35	J	NR		0.45	J	NR	
Chromium	NA	NA	NR		21.1		NR		23.3		NR		20.0		12.7	
Copper	270	1720	NR		22.1		NR		39.9		NR		19.2		NR	
Lead	400	450	NR		42.2		NR		67.1		NR		52.7		NR	
Manganese	2000	2000	NR		110		NR		199		NR		96.9		68.8	
Nickel	310	130	NR		8.2		NR		19.6		NR		7.0	J	2.8	J
Silver	180	8.3	NR		NR		NR		0.73	J	NR		1.4	J	NR	
Zinc	10000	2480	NR		66.0		NR		143		NR		55.2		NR	

J : Sample result is greater than the MDL but below the CRDL

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Table 7
Results Summary for Chromium by 7196A and Cyanide by 9012B

Sample ID	NY 375-6.8(b)	NY 375-6.8(b)	B7-8-SB1-5'-17'	B7-8-SB2-5'-25'	B3-4-5-6-SB3-5'-25'	B3-4-5-6-SB4-5'-25'	B3-4-5-6-SB5-5'-15'	B3-4-5-6-SB5-15'-25'	B3-4-5-6-SB6-0'-5'	B3-4-5-6-SB6-15'-25'	B3-4-5-6-SB7-5'-15'	B3-4-5-6-SB7-15'-25'	B3-4-5-6-SB11-15'-25'	B3-4-5-6-SB9-5'-15'
Sampling Date	& CP-51 T-1	& CP-51 T-1	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018	10/17/2018
Matrix	Restricted Residential	GW	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution Factor	Soil Cleanup	Soil Cleanup												
Units	mg/kg	mg/kg												
Chromium and Cyanide	Criteria	Criteria	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chromium, trivalent - mg/Kg	180	NA	14.1	13.8	15.1	14.8	20.3	25.6	13.8	17.3	15.9	21.2	16.9	13.9
Cr (VI) - mg/Kg	110	19	NR	NR	NR	NR	NR	NR	NR	0.37 J	NR	NR	NR	NR
Cyanide, Total - mg/Kg	NA	NA	0.24 J	0.21 J	NR	NR	0.31 J	0.19 J	NR	0.22 J	0.23 J	0.28 J	NR	0.26

J : Sample result is greater than the MDL but below the CRDL

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Table 7 (Cont'd)
Results Summary for Chromium by 7196A and Cyanide by 9012B

Sample ID	NY 375-6.8(b) & CP-51 T-1	NY 375-6.8(b) & CP-51 T-1	B3-4-5-6-SB9-15'-20'		B3-4-5-6-SB9-5'-15'		B3-4-5-6-SB9-10'-15'		DUP 1		B3-4-5-6-SB10-5'-15'		B3-4-5-6-SB10-15'-20'		B3-4-5-6-SB11-5'-15'		B7-8-SB12-15'-20'		SB7-B12 (5'-15')	
Sampling Date			10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018		10/17/2018	
Matrix	Restricted Residential	GW	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Soil Cleanup	Soil Cleanup																		
Units	mg/kg	mg/kg																		
Chromium and Cyanide	Criteria	Criteria	Result		Result		Result		Result		Result		Result		Result		Result		Result	
Chromium, trivalent - mg/Kg	180	NA	17.2		20.4		11.4		17.4		13.8		18.8		21.1		22.7		20.0	
Cr (VI) - mg/Kg	110	19	NR		NR		NR		NR		NR		NR		NR		0.60	J	NR	
Cyanide, Total - mg/Kg	NA	NA	0.29	J	NR		NR		NR		0.23	J	0.36	J	0.20	J	0.64	J	0.34	J

J : Sample result is greater than the MDL but below the CRDL