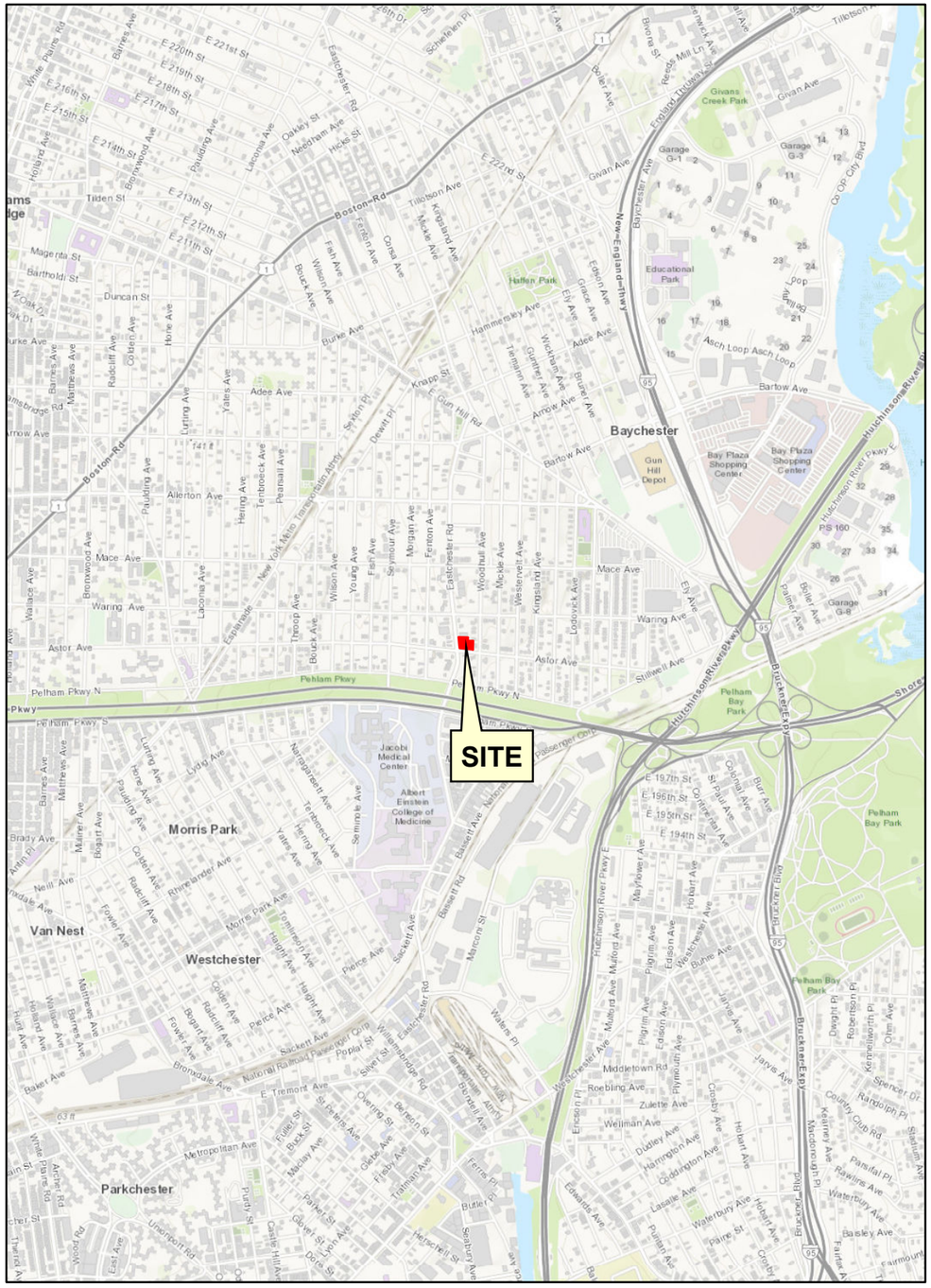
Figures



Basemap: ESRI - World Topo Map

Site Location

0 1,000 2,000 4,000 Feet

http://gis.nyc.gov/taxmap/map.htm

Department of Finance Digital Tax Map

0 125 250 500 Feet

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User NYC Department of City Planning, Information Technology Division

Department of City Planning MapPLUTO - 2016 v2

0 125 250 500 Feet

1500 Astor Avenue
Bronx, New York
Block 4393, Lot 1

Site

TENEN ENVIRONMENTAL
Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
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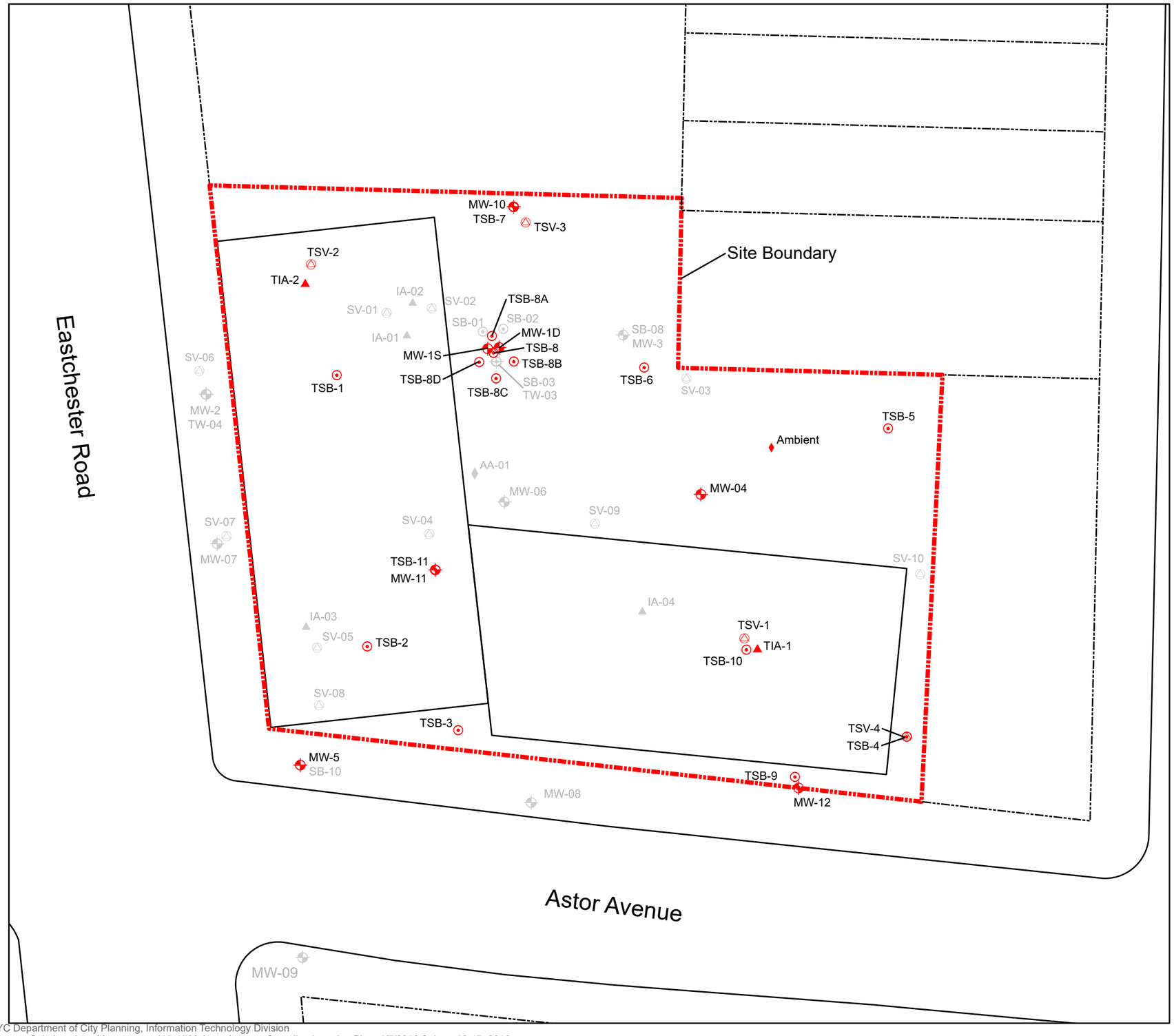
Drawn By	LM
Checked By	CZ
Date	October 2017
Scale	As Noted
Drawing Title	**Site Location Map**
Drawing No	**Figure 1**



Legend

SampleType

- Ambient Air Sample
- Indoor Air Sample Location
- Soil Vapor Sample Location
- Soil Boring Location
- Monitoring Well
- Previous Ambient Air Sample
- Previous Indoor Air Sample Location
- Previous Soil Vapor Sample Location
- Previous Soil Boring Location
- Monitoring Well Not Sampled
- Previous Temporary Monitoring Well Location

0 15 30 60 Feet

NYC Department of City Planning, Information Technology Division
Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Site
Remedial Investigation Report
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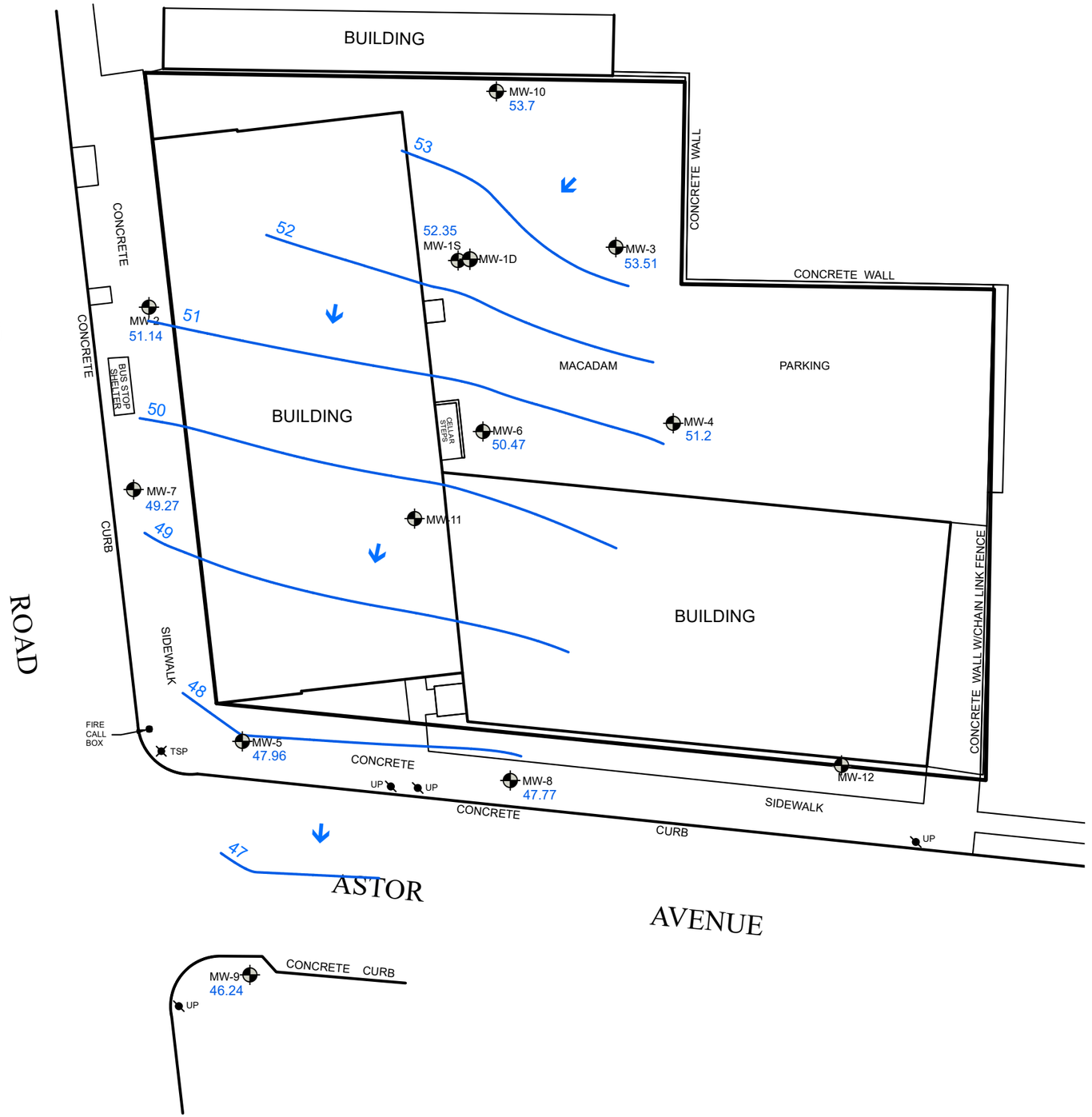
Drawn By	Checked By	Date	Scale
LM	AC	December 2018	As Noted

Drawing Title: **Site Plan and Sampling Locations**

Drawing No: **Figure 2**



Legend

- Monitoring Well Location
- Groundwater Elevation Contour
- Groundwater Flow Direction

0 15 30 60 Feet

Basemap: Donald R. Stedge, P.L.S., Goshen, NY, Well Survey for Property Located at 1500 Astor Avenue, Bronx County, New York, Job #1678, 6/26/2018

Groundwater contours interpolated with the aid of ESRI ArgGIS Spatial Analyst

Site

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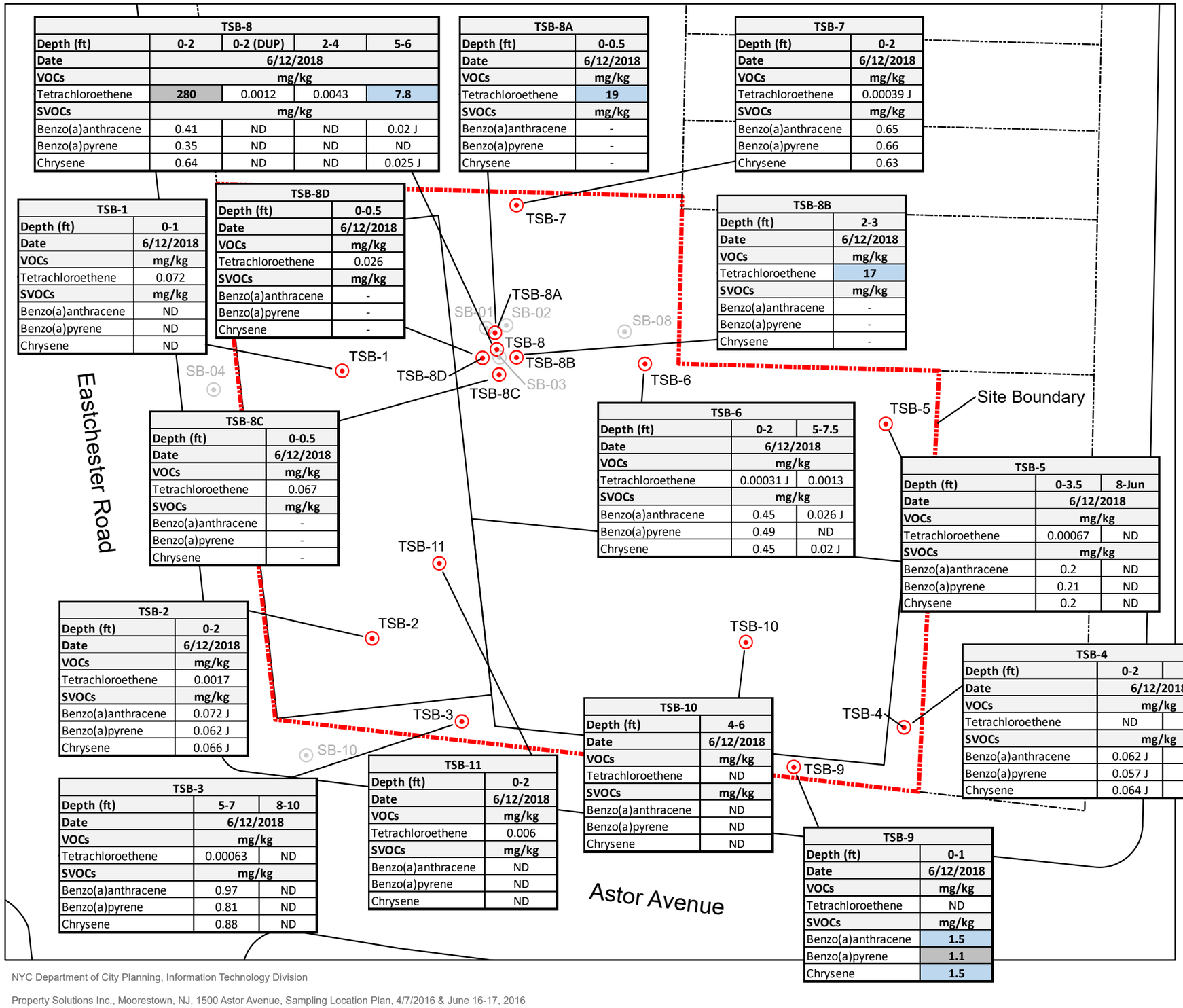
Drawn By: LM
Checked By: AC
Date: December 2018
Scale: As Noted

Drawing Title: **Groundwater Flow Direction (11/3/2017 GW Elevations)**

Drawing No: **Figure 3**



TSB-8				
Depth (ft)	0-2	0-2 (DUP)	2-4	5-6
Date	6/12/2018			
VOCs	mg/kg			
Tetrachloroethene	280	0.0012	0.0043	7.8
SVOCs	mg/kg			
Benzo(a)anthracene	0.41	ND	ND	0.02 J
Benzo(a)pyrene	0.35	ND	ND	ND
Chrysene	0.64	ND	ND	0.025 J

TSB-8A	
Depth (ft)	0-0.5
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	19
SVOCs	mg/kg
Benzo(a)anthracene	-
Benzo(a)pyrene	-
Chrysene	-

TSB-7	
Depth (ft)	0-2
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	0.00039 J
SVOCs	mg/kg
Benzo(a)anthracene	0.65
Benzo(a)pyrene	0.66
Chrysene	0.63

TSB-1	
Depth (ft)	0-1
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	0.072
SVOCs	mg/kg
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Chrysene	ND

TSB-8D	
Depth (ft)	0-0.5
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	0.026
SVOCs	mg/kg
Benzo(a)anthracene	-
Benzo(a)pyrene	-
Chrysene	-

TSB-8B	
Depth (ft)	2-3
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	17
SVOCs	mg/kg
Benzo(a)anthracene	-
Benzo(a)pyrene	-
Chrysene	-

TSB-8C	
Depth (ft)	0-0.5
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	0.067
SVOCs	mg/kg
Benzo(a)anthracene	-
Benzo(a)pyrene	-
Chrysene	-

TSB-6		
Depth (ft)	0-2	5-7.5
Date	6/12/2018	
VOCs	mg/kg	
Tetrachloroethene	0.00031 J	0.0013
SVOCs	mg/kg	
Benzo(a)anthracene	0.45	0.026 J
Benzo(a)pyrene	0.49	ND
Chrysene	0.45	0.02 J

TSB-5		
Depth (ft)	0-3.5	8-Jun
Date	6/12/2018	
VOCs	mg/kg	
Tetrachloroethene	0.00067	ND
SVOCs	mg/kg	
Benzo(a)anthracene	0.2	ND
Benzo(a)pyrene	0.21	ND
Chrysene	0.2	ND

TSB-2	
Depth (ft)	0-2
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	0.0017
SVOCs	mg/kg
Benzo(a)anthracene	0.072 J
Benzo(a)pyrene	0.062 J
Chrysene	0.066 J

TSB-3		
Depth (ft)	5-7	8-10
Date	6/12/2018	
VOCs	mg/kg	
Tetrachloroethene	0.00063	ND
SVOCs	mg/kg	
Benzo(a)anthracene	0.97	ND
Benzo(a)pyrene	0.81	ND
Chrysene	0.88	ND

TSB-11	
Depth (ft)	0-2
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	0.006
SVOCs	mg/kg
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Chrysene	ND

TSB-10	
Depth (ft)	4-6
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	ND
SVOCs	mg/kg
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Chrysene	ND

TSB-4		
Depth (ft)	0-2	7-9
Date	6/12/2018	
VOCs	mg/kg	
Tetrachloroethene	ND	ND
SVOCs	mg/kg	
Benzo(a)anthracene	0.062 J	ND
Benzo(a)pyrene	0.057 J	ND
Chrysene	0.064 J	ND

TSB-9	
Depth (ft)	0-1
Date	6/12/2018
VOCs	mg/kg
Tetrachloroethene	ND
SVOCs	mg/kg
Benzo(a)anthracene	1.5
Benzo(a)pyrene	1.1
Chrysene	1.5

Analyte	Part 375 Protection of Groundwater SCOs*	Part 375 Restricted Commercial SCOs**
VOCs	mg/kg	
Tetrachloroethene	1.3	150
SVOCs	mg/kg	
Benzo(a)anthracene	1	5.6
Benzo(a)pyrene	22	1
Chrysene	1	56

NOTES:
1. Sample locations are approximate

2. Bold and shaded blue values indicate exceedance of 6 NYCRR Part 375 Restricted Protection of Groundwater SCOs

3. Bold and shaded gray values indicate exceedance of 6 NYCRR Part 375 Restricted Commercial Use SCOs

4. J = Estimated Value

5. ND = Not Detected

6. - = Not Analyzed

7. * = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

8. ** = 6 NYCRR Part 375 Restricted Commercial Soil Cleanup Objectives

Legend

- Soil Boring Locations
- Previous Soil Boring Location

0 15 30 60 Feet

NYC Department of City Planning, Information Technology Division

Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Site

Remedial Investigation Report
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Bronx, New York
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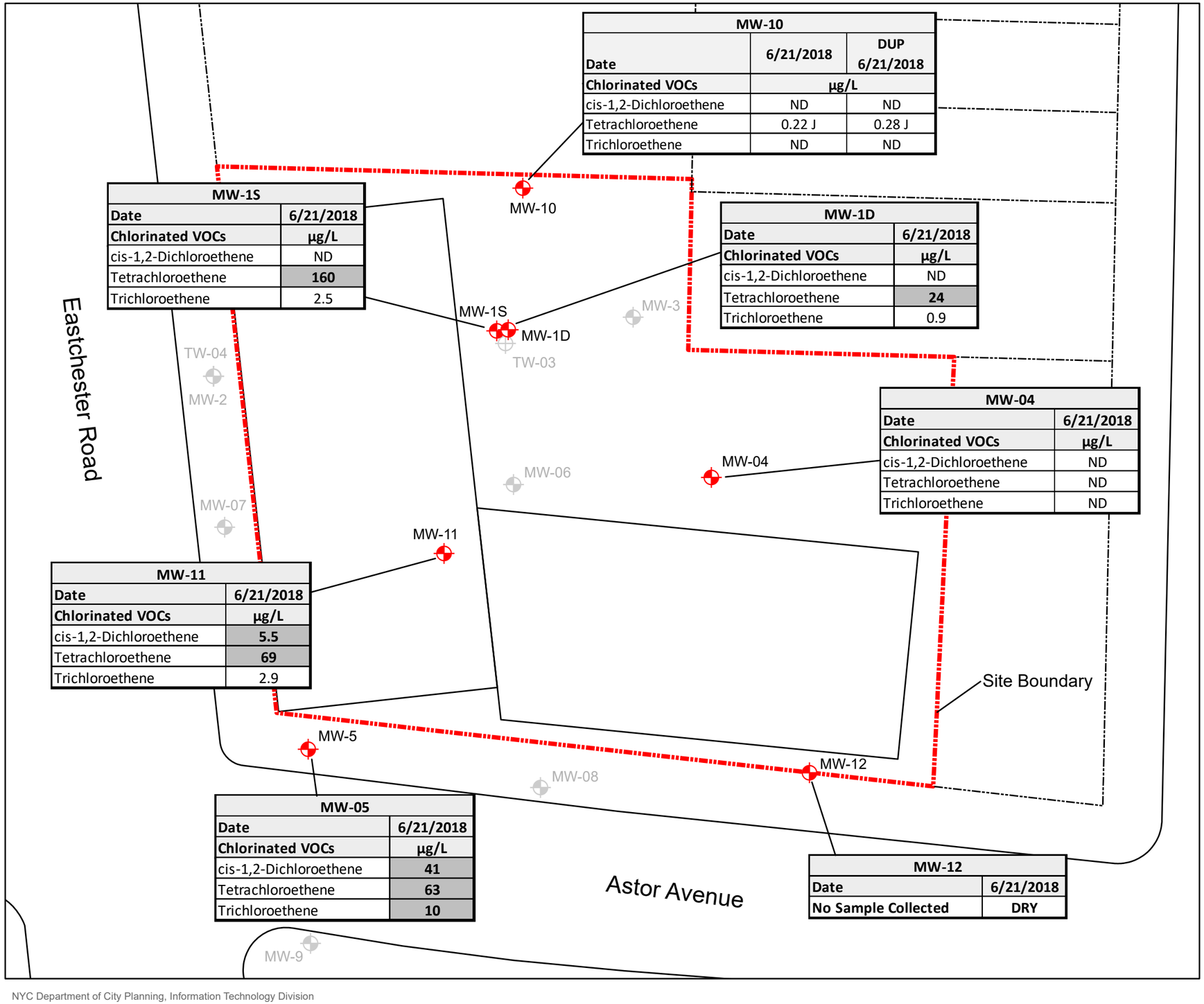
Drawn By: LM
Checked By: AC
Date: December 2018
Scale: As Noted

Drawing Title: **Soil Results above Soil Cleanup Objectives (SCOs) - CVOCs and SVOCs**

Drawing No: **Figure 4**



NYC Department of City Planning, Information Technology Division

Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Analyte	TOGS AWQS*
Chlorinated VOCs	**µg/L**
cis-1,2-Dichloroethene	5
Tetrachloroethene	5
Trichloroethene	5

NOTES:
1. Bold and shaded value indicates concentration exceeds TOGS AWQS*

2. * = NYSDEC Division of Technical Operational Guidance Series (TOGS) 1.1.1, Class GA Water Quality Standards (AWQS) and Guidance Values

3. J = Estimated value

4. ND = Not Detected

5. DUP = Duplicate

Legend

- Monitoring Well to be Sampled
- Monitoring Well Not to be Sampled
- Previous Temporary Monitoring Well Location

0 15 30 60 Feet

Site

Remedial Investigation Report
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Bronx, New York
Block 4393, Lot 1

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Drawn By: LM
Checked By: AC
Date: December 2018
Scale: As Noted

Drawing Title: **Groundwater Results above Class GA Standards - CVOCs**

Drawing No: **Figure 5**

Date	2118-SV-01	2118-IA-01	DOH Matrix Determination
VOCs	4/7/2016	6/17/2016	
	µg/m³	µg/m³	
Tetrachloroethene	**1950**	**10.2**	Mitigate
Trichloroethene	ND	0.21	No Further Action
cis-1,2-Dichloroethene	ND	0.091	No Further Action

Date	2118-SV-02	2118-IA-02	DOH Matrix Determination
VOCs	4/7/2016	6/17/2016	
	µg/m³	µg/m³	
Tetrachloroethene	**5210**	**7.32**	Mitigate
Trichloroethene	ND	0.15	No Further Action
cis-1,2-Dichloroethene	ND	0.079	No Further Action

Analyte	Matrix	NYSDOH AGV
VOCs	µg/m³	µg/m³
Tetrachloroethene	B	30
Trichloroethene	A	2
cis-1,2-Dichloroethene	A	--

Date	1494-SV-06
	3/2/2017
VOCs	µg/m³
Tetrachloroethene	12.3
Trichloroethene	ND
cis-1,2-Dichloroethene	ND

Date	1494-AA-01
	3/3/2017
VOCs	µg/m³
Tetrachloroethene	0.142
Trichloroethene	ND
cis-1,2-Dichloroethene	ND

Date	1494-SV-03
	3/2/2017
VOCs	µg/m³
Tetrachloroethene	24.3
Trichloroethene	13.5
cis-1,2-Dichloroethene	73

Date	1494-SV-04
	3/3/2017
VOCs	µg/m³
Tetrachloroethene	**6630**
Trichloroethene	**288**
cis-1,2-Dichloroethene	9.12

Date	1494-SV-09
	3/2/2017
VOCs	µg/m³
Tetrachloroethene	317
Trichloroethene	5.15
cis-1,2-Dichloroethene	ND

Date	1494-SV-07
	3/2/2017
VOCs	µg/m³
Tetrachloroethene	332
Trichloroethene	6.5
cis-1,2-Dichloroethene	ND

Date	1491-IA-04
	3/3/2017
VOCs	µg/m³
Tetrachloroethene	**5.02**
Trichloroethene	**0.118**
cis-1,2-Dichloroethene	ND

Date	1494-SV-08
	3/3/2017
VOCs	µg/m³
Tetrachloroethene	18.2
Trichloroethene	ND
cis-1,2-Dichloroethene	2.26

Date	1494-SV-10
	3/2/2017
VOCs	µg/m³
Tetrachloroethene	14.6
Trichloroethene	ND
cis-1,2-Dichloroethene	ND

Date	1494-SV-05	1494-IA-03	DOH Matrix Determination
	3/3/2017	3/16/2017	
VOCs	µg/m³	µg/m³	
Tetrachloroethene	5.6	2.42	No Further Action
Trichloroethene	ND	ND	No Further Action
cis-1,2-Dichloroethene	ND	ND	No Further Action

Site Boundary

Astor Avenue

SV-01 IA-01 IA-02 SV-02 SV-03 SV-04 SV-05 SV-06 SV-07 SV-08 SV-09 SV-10 AA-01 IA-03 IA-04

Notes:

1. NYSDOH AGV = New York State Department of Health Air Guidance Values, Table 3.1 in NYSDOH Guidance for Evaluating Soil Vapor Intrustion in the State of New York, October 2006 with May 2017 updates
2. **Bold and blue shaded values indicate Mitigate matrix decision**
3. **Bold and gray shaded values indicate the indoor air concentration exceeds NYSDOH Air Guidance Values**
4. NYSDOH matrix determinations are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates
5. ND = Not Detected
6. -- = No standard

Legend

- Ambient Air
- Indoor Air Sample Location
- Soil Vapor Sample Location

0 15 30 60 Feet

NYC Department of City Planning, Information Technology Division
Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Site: Remedial Investigation Report
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Drawn By: LM
Checked By: AP
Date: December 2018
Scale: As Noted

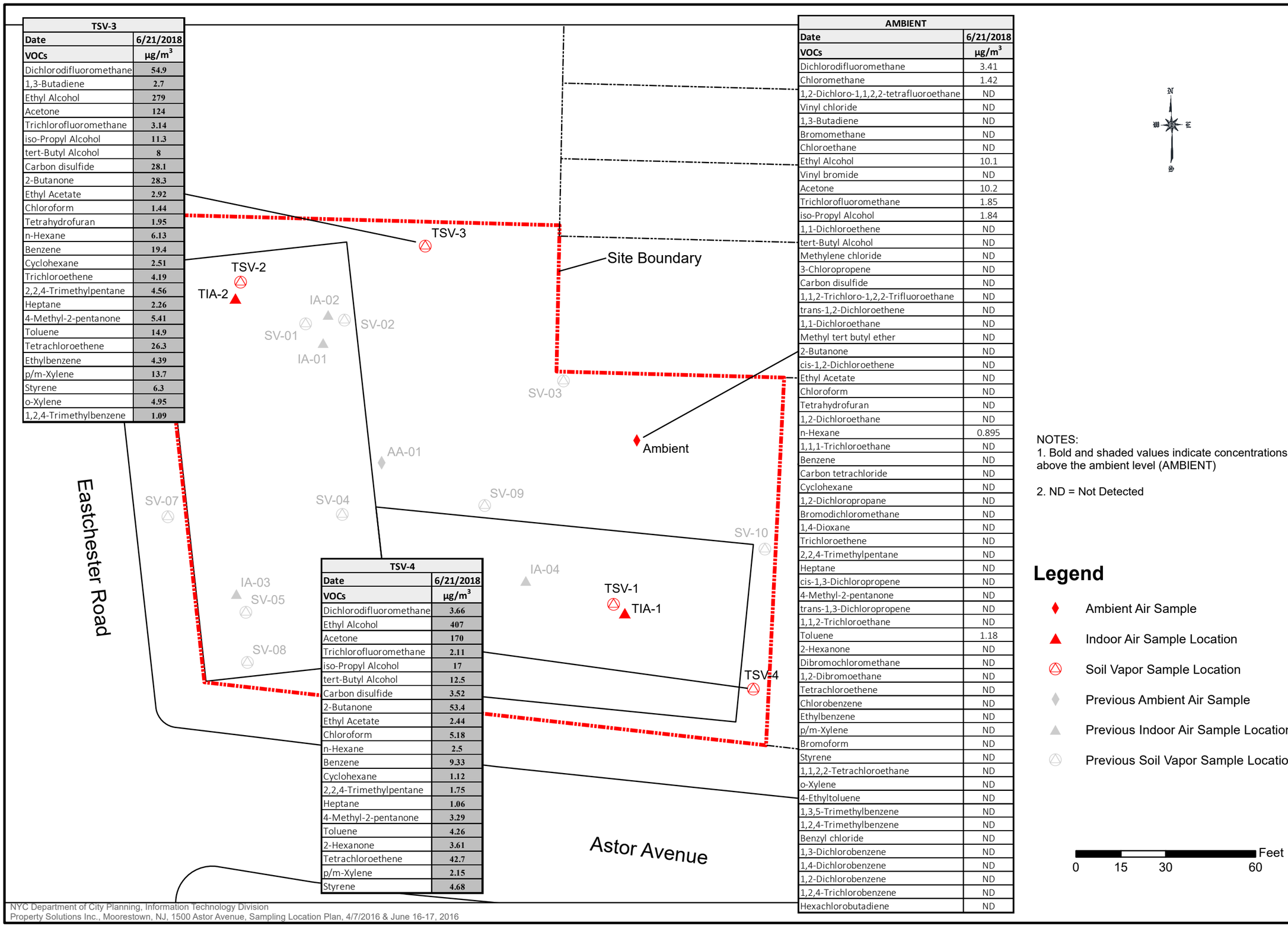
Drawing Title: Previous Soil Vapor, Indoor Air and Ambient Air Results

Drawing No: Figure 6

TSV-3	
Date	6/21/2018
VOCs	µg/m³
Dichlorodifluoromethane	54.9
1,3-Butadiene	2.7
Ethyl Alcohol	279
Acetone	124
Trichlorofluoromethane	3.14
iso-Propyl Alcohol	11.3
tert-Butyl Alcohol	8
Carbon disulfide	28.1
2-Butanone	28.3
Ethyl Acetate	2.92
Chloroform	1.44
Tetrahydrofuran	1.95
n-Hexane	6.13
Benzene	19.4
Cyclohexane	2.51
Trichloroethene	4.19
2,2,4-Trimethylpentane	4.56
Heptane	2.26
4-Methyl-2-pentanone	5.41
Toluene	14.9
Tetrachloroethene	26.3
Ethylbenzene	4.39
p/m-Xylene	13.7
Styrene	6.3
o-Xylene	4.95
1,2,4-Trimethylbenzene	1.09

TSV-4	
Date	6/21/2018
VOCs	µg/m³
Dichlorodifluoromethane	3.66
Ethyl Alcohol	407
Acetone	170
Trichlorofluoromethane	2.11
iso-Propyl Alcohol	17
tert-Butyl Alcohol	12.5
Carbon disulfide	3.52
2-Butanone	53.4
Ethyl Acetate	2.44
Chloroform	5.18
n-Hexane	2.5
Benzene	9.33
Cyclohexane	1.12
2,2,4-Trimethylpentane	1.75
Heptane	1.06
4-Methyl-2-pentanone	3.29
Toluene	4.26
2-Hexanone	3.61
Tetrachloroethene	42.7
p/m-Xylene	2.15
Styrene	4.68

AMBIENT	
Date	6/21/2018
VOCs	µg/m³
Dichlorodifluoromethane	3.41
Chloromethane	1.42
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND
Vinyl chloride	ND
1,3-Butadiene	ND
Bromomethane	ND
Chloroethane	ND
Ethyl Alcohol	10.1
Vinyl bromide	ND
Acetone	10.2
Trichlorofluoromethane	1.85
iso-Propyl Alcohol	1.84
1,1-Dichloroethene	ND
tert-Butyl Alcohol	ND
Methylene chloride	ND
3-Chloropropene	ND
Carbon disulfide	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND
trans-1,2-Dichloroethene	ND
1,1-Dichloroethane	ND
Methyl tert butyl ether	ND
2-Butanone	ND
cis-1,2-Dichloroethene	ND
Ethyl Acetate	ND
Chloroform	ND
Tetrahydrofuran	ND
1,2-Dichloroethane	ND
n-Hexane	0.895
1,1,1-Trichloroethane	ND
Benzene	ND
Carbon tetrachloride	ND
Cyclohexane	ND
1,2-Dichloropropane	ND
Bromodichloromethane	ND
1,4-Dioxane	ND
Trichloroethene	ND
2,2,4-Trimethylpentane	ND
Heptane	ND
cis-1,3-Dichloropropene	ND
4-Methyl-2-pentanone	ND
trans-1,3-Dichloropropene	ND
1,1,2-Trichloroethane	ND
Toluene	1.18
2-Hexanone	ND
Dibromochloromethane	ND
1,2-Dibromoethane	ND
Tetrachloroethene	ND
Chlorobenzene	ND
Ethylbenzene	ND
p/m-Xylene	ND
Bromoform	ND
Styrene	ND
1,1,2,2-Tetrachloroethane	ND
o-Xylene	ND
4-Ethyltoluene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
Benzyl chloride	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
1,2-Dichlorobenzene	ND
1,2,4-Trichlorobenzene	ND
Hexachlorobutadiene	ND



NOTES:
1. Bold and shaded values indicate concentrations above the ambient level (AMBIENT)

2. ND = Not Detected

Legend

- Ambient Air Sample
- Indoor Air Sample Location
- Soil Vapor Sample Location
- Previous Ambient Air Sample
- Previous Indoor Air Sample Location
- Previous Soil Vapor Sample Location

Feet
0 15 30 60

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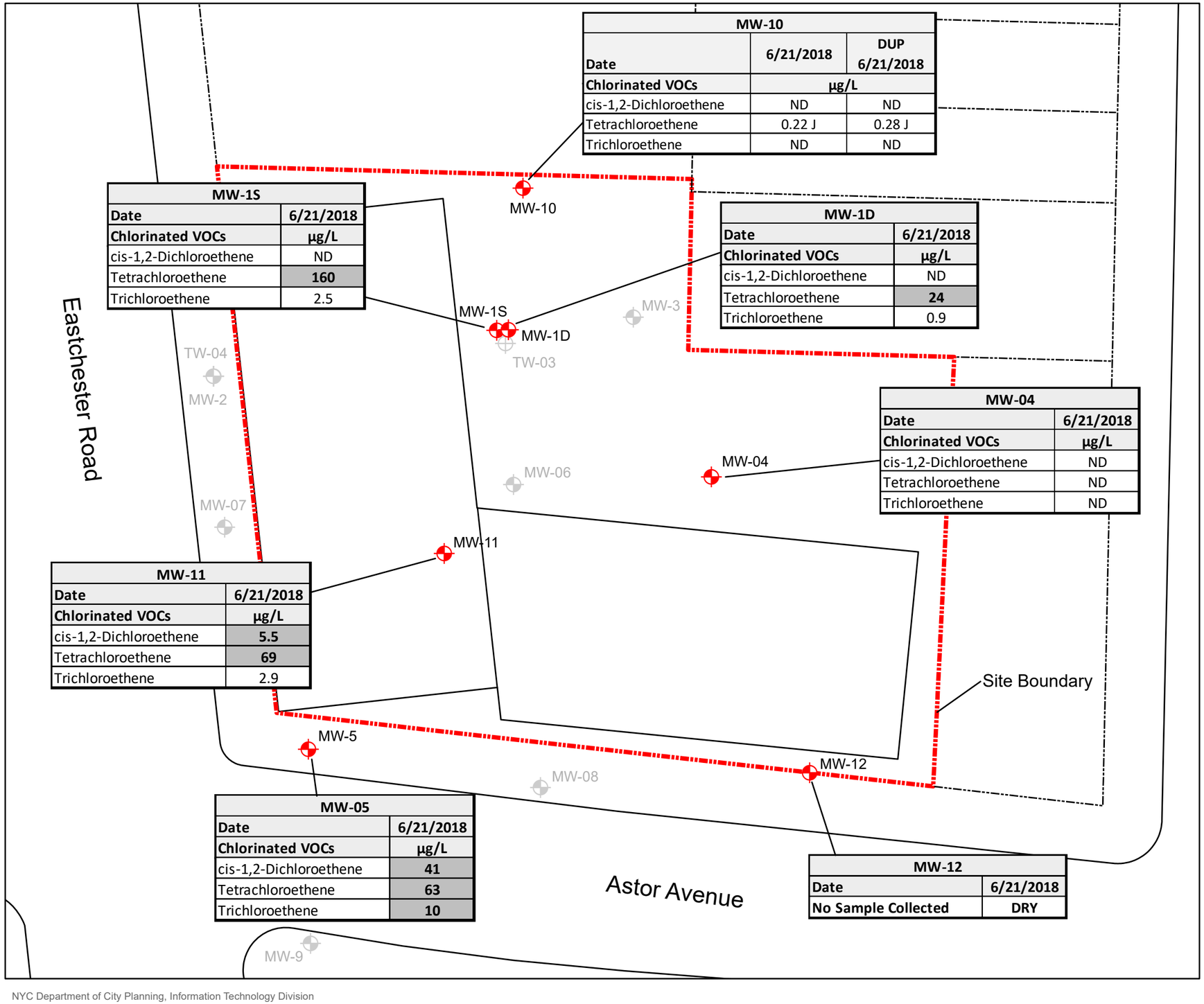
Drawn By: LM
Checked By: AC
Date: December 2018
Scale: As Noted

Drawing Title: **Soil Vapor Results above Ambient Air Concentrations June 2018**

Drawing No: **Figure 7**



NYC Department of City Planning, Information Technology Division

Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Analyte	TOGS AWQS*
Chlorinated VOCs	**µg/L**
cis-1,2-Dichloroethene	5
Tetrachloroethene	5
Trichloroethene	5

NOTES:
1. Bold and shaded value indicates concentration exceeds TOGS AWQS*

2. * = NYSDEC Division of Technical Operational Guidance Series (TOGS) 1.1.1, Class GA Water Quality Standards (AWQS) and Guidance Values

3. J = Estimated value

4. ND = Not Detected

5. DUP = Duplicate

Legend

- Monitoring Well to be Sampled
- Monitoring Well Not to be Sampled
- Previous Temporary Monitoring Well Location

0 15 30 60 Feet

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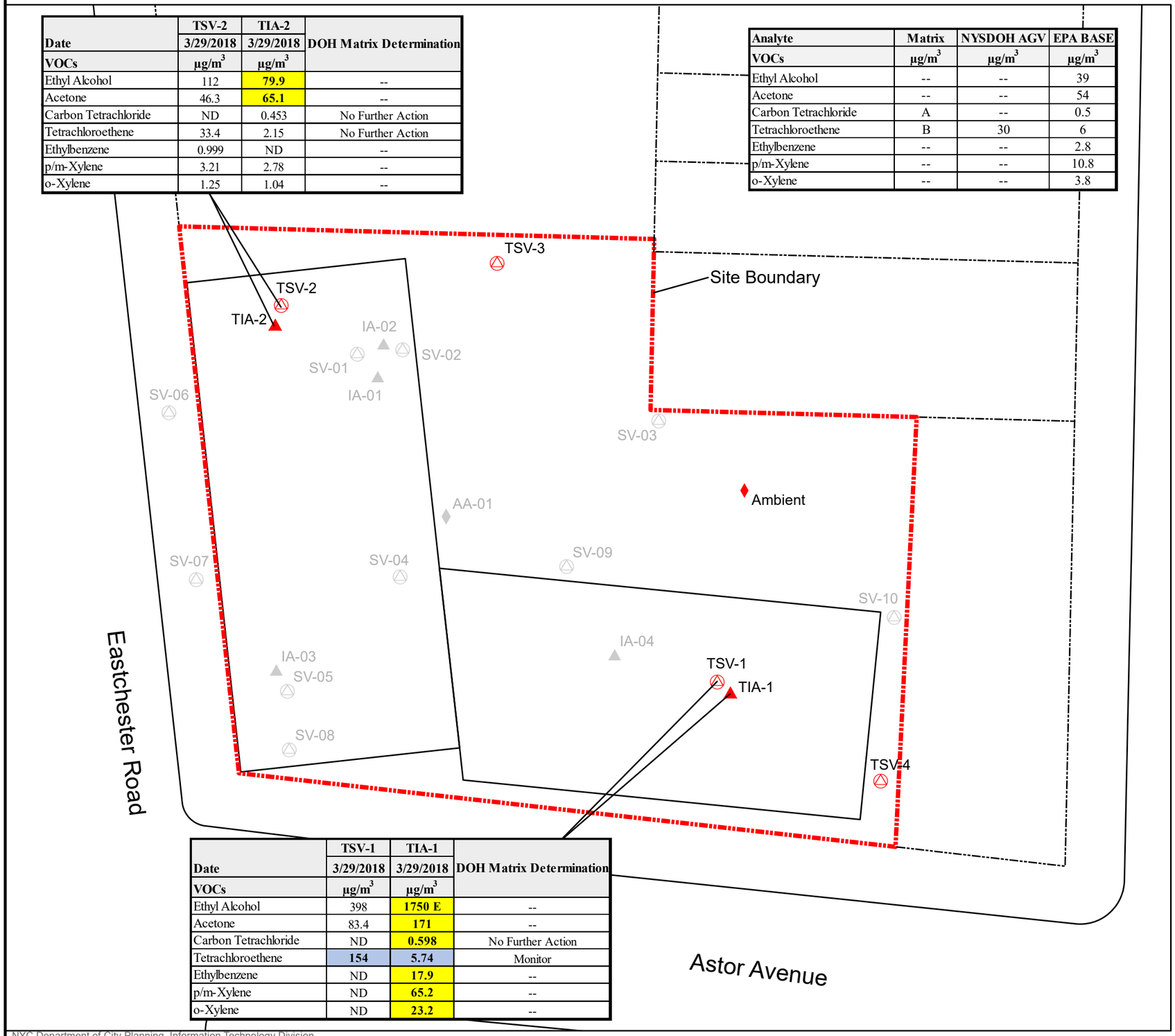
Drawn By: LM
Checked By: AC
Date: July 2018
Scale: As Noted

Drawing Title: **Groundwater Results above Class GA Standards - CVOCs**

Drawing No: **Figure 8**

Date	TSV-2 3/29/2018	TIA-2 3/29/2018	DOH Matrix Determination
VOCs	µg/m³	µg/m³	
Ethyl Alcohol	112	**79.9**	--
Acetone	46.3	**65.1**	--
Carbon Tetrachloride	ND	0.453	No Further Action
Tetrachloroethene	33.4	2.15	No Further Action
Ethylbenzene	0.999	ND	--
p/m-Xylene	3.21	2.78	--
o-Xylene	1.25	1.04	--

Analyte	Matrix	NYSDOH AGV	EPA BASE
VOCs	µg/m³	µg/m³	µg/m³
Ethyl Alcohol	--	--	39
Acetone	--	--	54
Carbon Tetrachloride	A	--	0.5
Tetrachloroethene	B	30	6
Ethylbenzene	--	--	2.8
p/m-Xylene	--	--	10.8
o-Xylene	--	--	3.8



Date	TSV-1 3/29/2018	TIA-1 3/29/2018	DOH Matrix Determination
VOCs	µg/m³	µg/m³	
Ethyl Alcohol	398	**1750 E**	--
Acetone	83.4	**171**	--
Carbon Tetrachloride	ND	**0.598**	No Further Action
Tetrachloroethene	**154**	**5.74**	Monitor
Ethylbenzene	ND	**17.9**	--
p/m-Xylene	ND	**65.2**	--
o-Xylene	ND	**23.2**	--

NYC Department of City Planning, Information Technology Division
Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Notes:

1. NYSDOH AGV = New York State Department of Health Air Guidance Values, Table 3.1 in NYSDOH Guidance for Evaluating Soil Vapor Intrustion in the State of New York, October 2006 with May 2017 updates
2. EPA BASE = EPA 2001: Building Assessment and Survey Evaluation Database, Table C2 in NYSDOH Guidance for Evaluation Soil Vapor Intrusion in the State of New York, October 2006 with May 2017 updates
3. **Bold and blue shaded values indicate Monitor matrix decision**
4. **Bold and gray shaded values indicate the indoor air concentration exceeds NYSDOH Air Guidance Values**
5. **Bold and yellow shaded values indicate the indoor air concentration exceeds EPA BASE Indoor Air Mean Values**
6. Indoor air values are compared to EPA BASE values when NYSDOH Air Guidance Values are not available
7. NYSDOH matrix determinations are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates
8. ND = Not Detected
9. E = Analytical results are from sample re-extraction
10. -- = No standard

Legend

- Ambient Air Sample
- Indoor Air Sample Location
- Soil Vapor Sample Location
- Previous Ambient Air Sample
- Previous Indoor Air Sample Location
- Previous Soil Vapor Sample Location

Feet
0 15 30 60

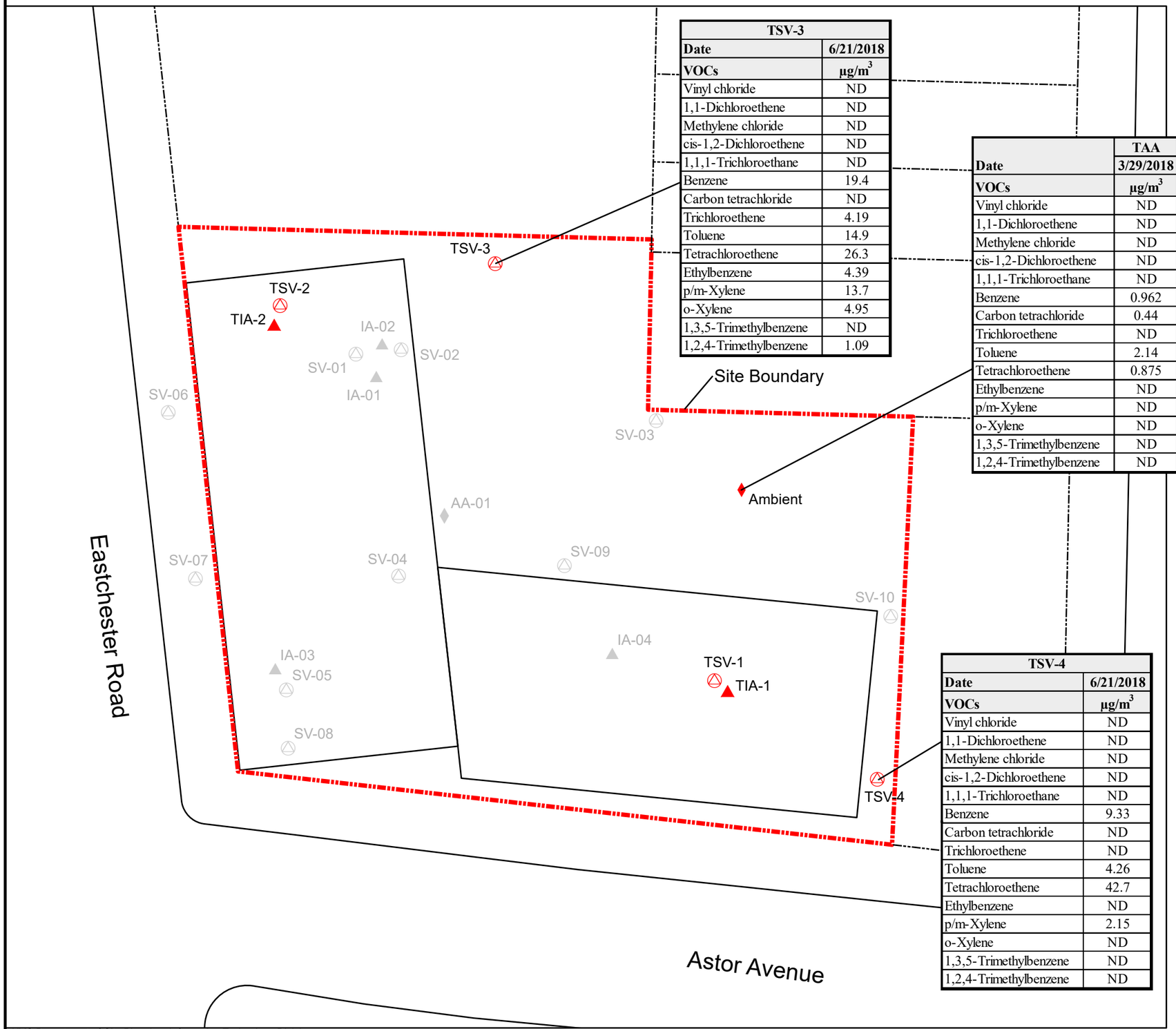
Site
Remedial Investigation Report
1500 Astor Avenue
Bronx, New York
Block 4393, Lot 1

TENEN ENVIRONMENTAL
Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

Drawn By: LM
Checked By: AC
Date: December 2018
Scale: As Noted

Drawing Title: **Sub-Slab Soil Vapor and Indoor Air Concentrations**

Drawing No: **Figure 9**



TSV-3	
Date	**6/21/2018**
VOCs	**µg/m³**
Vinyl chloride	ND
1,1-Dichloroethene	ND
Methylene chloride	ND
cis-1,2-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Benzene	19.4
Carbon tetrachloride	ND
Trichloroethene	4.19
Toluene	14.9
Tetrachloroethene	26.3
Ethylbenzene	4.39
p/m-Xylene	13.7
o-Xylene	4.95
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	1.09

	TAA	AMBIENT
Date	**3/29/2018**	**6/21/2018**
VOCs	**µg/m³**	**µg/m³**
Vinyl chloride	ND	ND
1,1-Dichloroethene	ND	ND
Methylene chloride	ND	ND
cis-1,2-Dichloroethene	ND	ND
1,1,1-Trichloroethane	ND	ND
Benzene	0.962	ND
Carbon tetrachloride	0.44	ND
Trichloroethene	ND	ND
Toluene	2.14	1.18
Tetrachloroethene	0.875	ND
Ethylbenzene	ND	ND
p/m-Xylene	ND	ND
o-Xylene	ND	ND
1,3,5-Trimethylbenzene	ND	ND
1,2,4-Trimethylbenzene	ND	ND

TSV-4	
Date	**6/21/2018**
VOCs	**µg/m³**
Vinyl chloride	ND
1,1-Dichloroethene	ND
Methylene chloride	ND
cis-1,2-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Benzene	9.33
Carbon tetrachloride	ND
Trichloroethene	ND
Toluene	4.26
Tetrachloroethene	42.7
Ethylbenzene	ND
p/m-Xylene	2.15
o-Xylene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND

NOTES:

1. ND = Not Detected

Legend

- Ambient Air Sample
- Indoor Air Sample Location
- Soil Vapor Sample Location
- Previous Ambient Air Sample
- Previous Indoor Air Sample Location
- Previous Soil Vapor Sample Location

0 15 30 60 Feet

NYC Department of City Planning, Information Technology Division
Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

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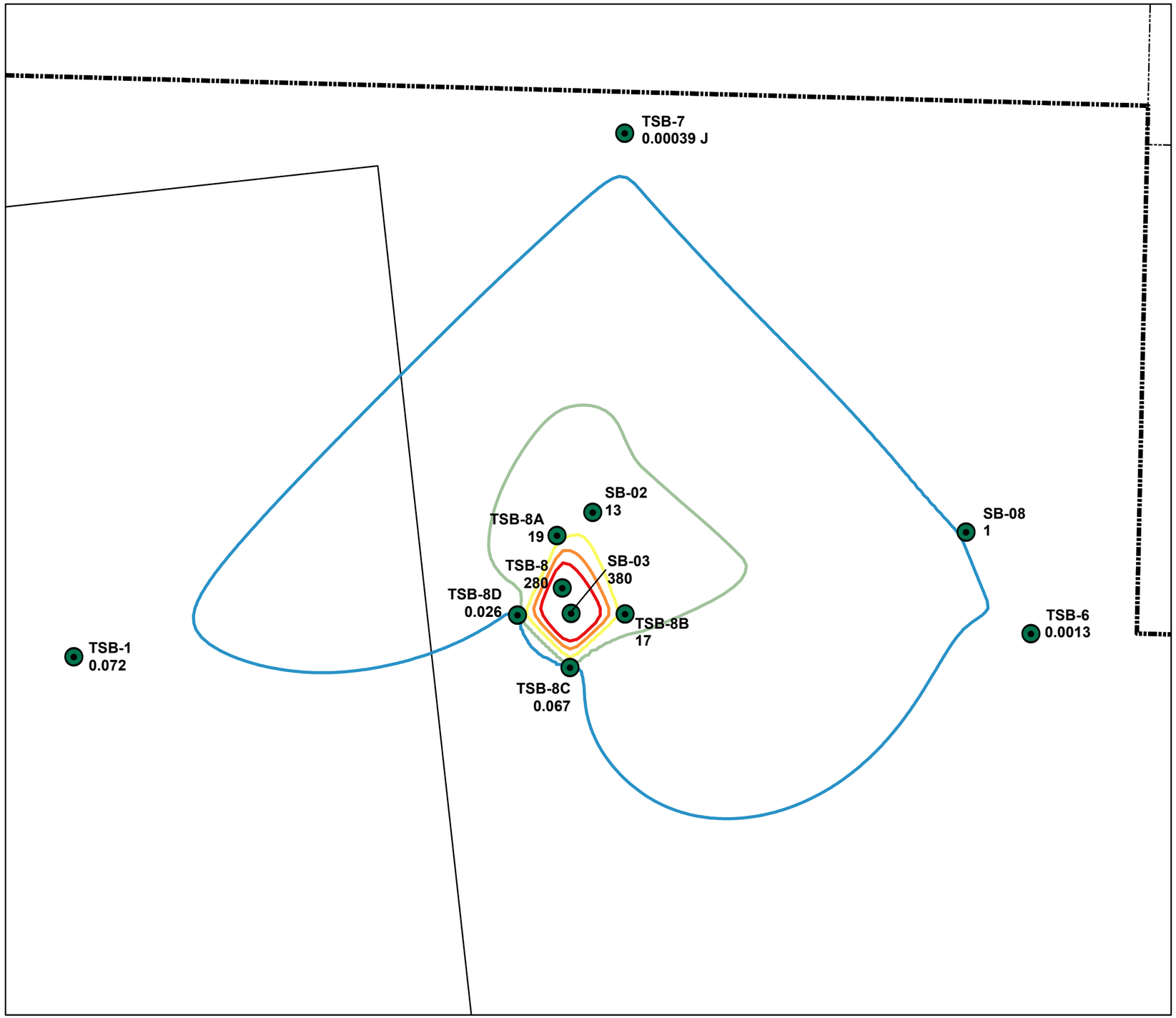
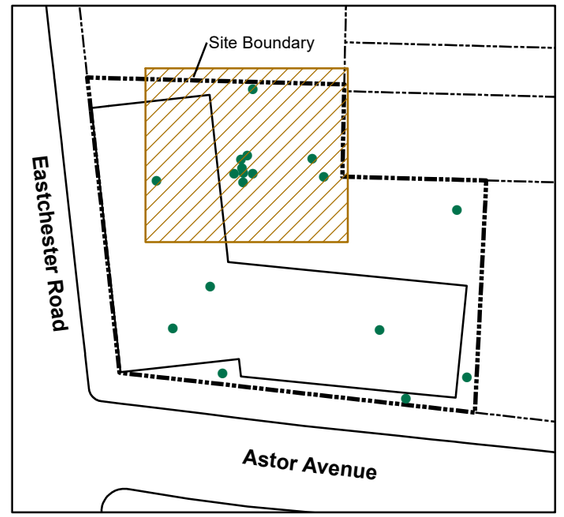
Drawn By LM
Checked By AC
Date December 2018
Scale As Noted

Drawing Title **Exterior Soil Vapor and Ambient Air Cocentrations**

Drawing No **Figure 10**





Inset Map

Legend

Soil Boring Location

PCE in Soil

- 1.3 mg/kg
- 10 mg/kg
- 50 mg/kg
- 100 mg/kg
- 150 mg/kg

Analyte	Part 375 Protection of Groundwater SCOs*	Part 375 Restricted Commercial SCOs**
VOCs	**mg/kg**	
Tetrachloroethene (PCE)	1.3	150

Notes:
* = 6 NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

** = 6 NYCRR Part 375 Restricted Commercial Soil Cleanup Objectives

J = Estimated Value

0 5 10 20 Feet

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Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

PCE concentratin contours interpolated with the aid of ESRI ArcGIS Spatial Analyst

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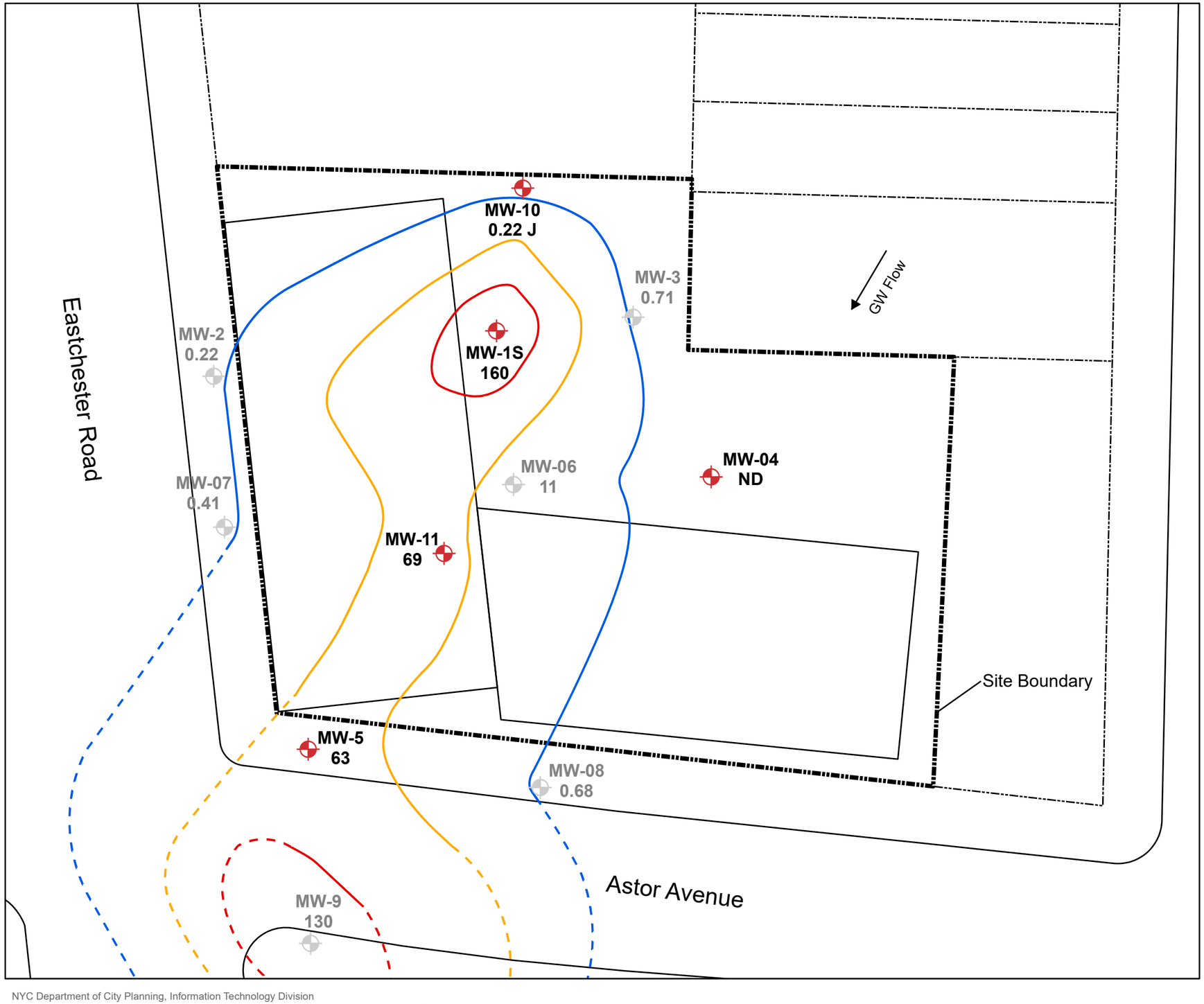
Drawn By	Checked By	Date	Scale
LM	AP	November 2018	As Noted

Drawing Title: **PCE in Soil**

Drawing No: **Figure 11**



Analyte	TOGS AWQS*
Chlorinated VOCs	ug/L
Tetrachloroethene (PCE)	5

NOTES:

1. * = NYSDEC Division of Technical Operational Guidance Series (TOGS) 1.1.1, Class GA Water Quality Standards (AWQS) and Guidance Values

2. J = Estimated value

3. ND = Not Detected

4. ug/L = micrograms per liter

Legend

- Montoring Well Sampled 6/21/2018
- Monitoring Well (most recent concentration shown)

PCE Concentration Contour

- 5 ug/L
- 50 ug/L
- 100 ug/L

Note: dashed where inferred

PCE concentration contours interpolated with the aid of ESRI ArcGIS Spatial Analyst

0 15 30 60 Feet

NYC Department of City Planning, Information Technology Division
Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Site

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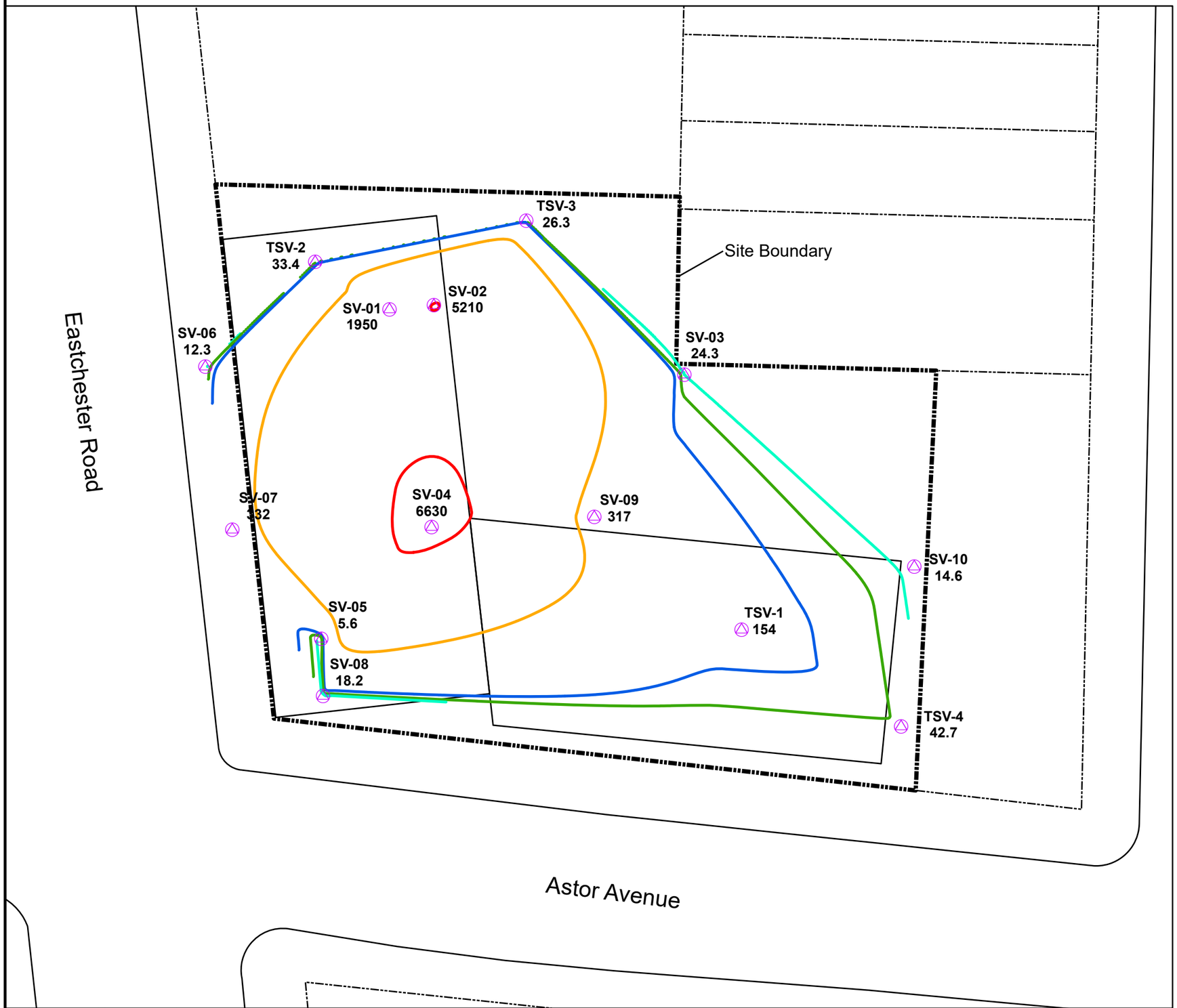
Drawn By	Checked By	Date	Scale
LM	MC	December 2018	As Noted

Drawing Title: **PCE in Groundwater**

Drawing No: **Figure 12**



Legend

- Soil Vapor Sample Location

PCE Concentration Contour

- 25 ug/cu. meter
- 50 ug/cu. meter
- 100 ug/cu. meter
- 1000 ug/cu. meter
- 5000 ug/cu. meter

Notes:

1. Results are in micrograms per cubic meter (ug/cu. meter)

PCE concentratin contours interpolated with the aid of ESRI ArcGIS Spatial Analyst

0 15 30 60 Feet

NYC Department of City Planning, Information Technology Division
Property Solutions Inc., Moorestown, NJ, 1500 Astor Avenue, Sampling Location Plan, 4/7/2016 & June 16-17, 2016

Site: 1500 Astor Avenue, Bronx, New York, Block 4393, Lot 1

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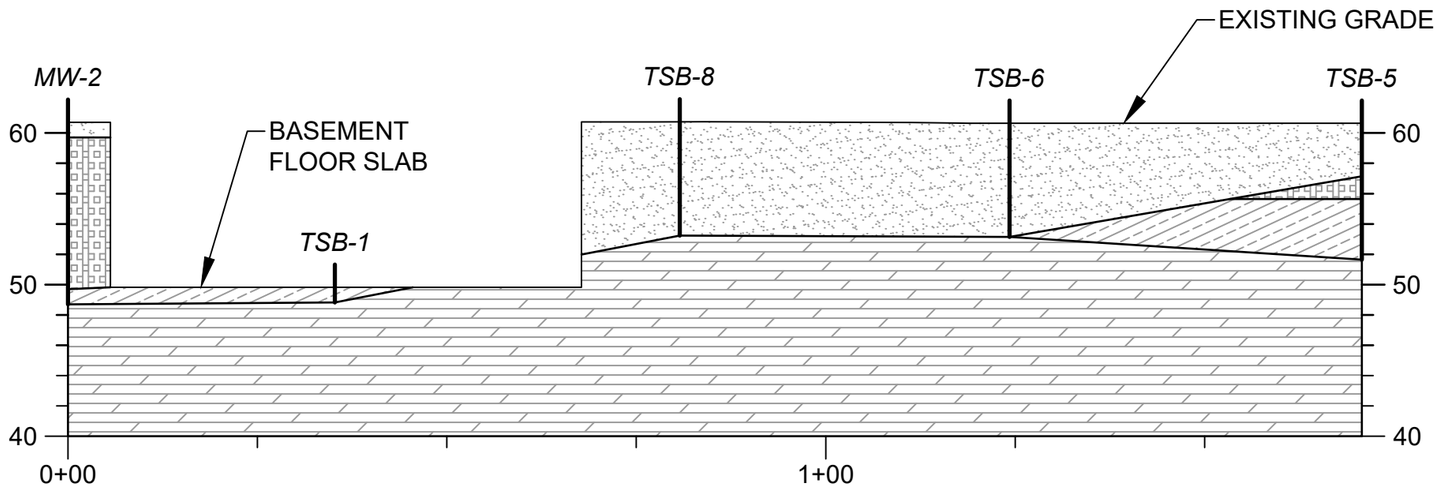
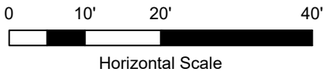
Drawn By	Checked By	Date	Scale
LM	AP	December 2018	As Noted

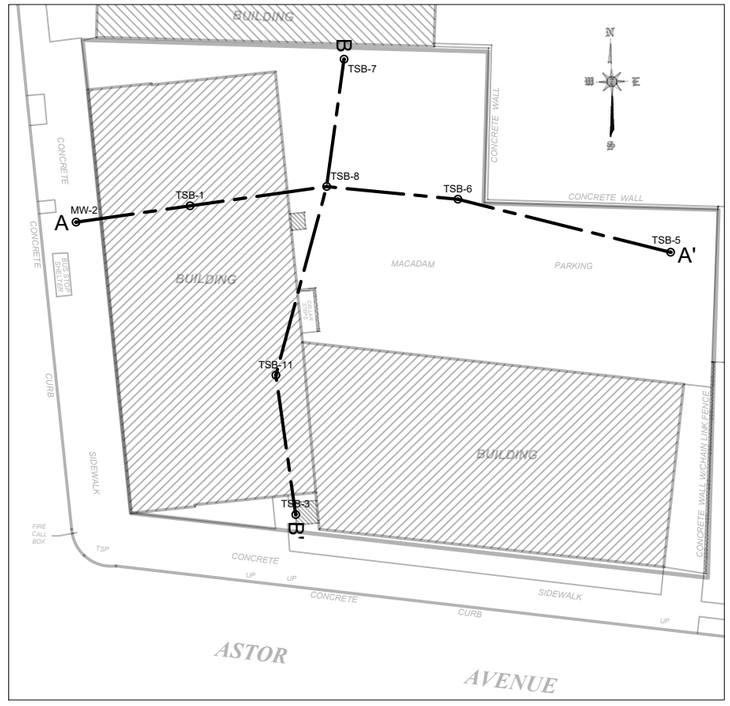
Drawing Title: PCE in Soil Vapor

Drawing No: Figure 13

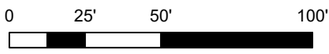


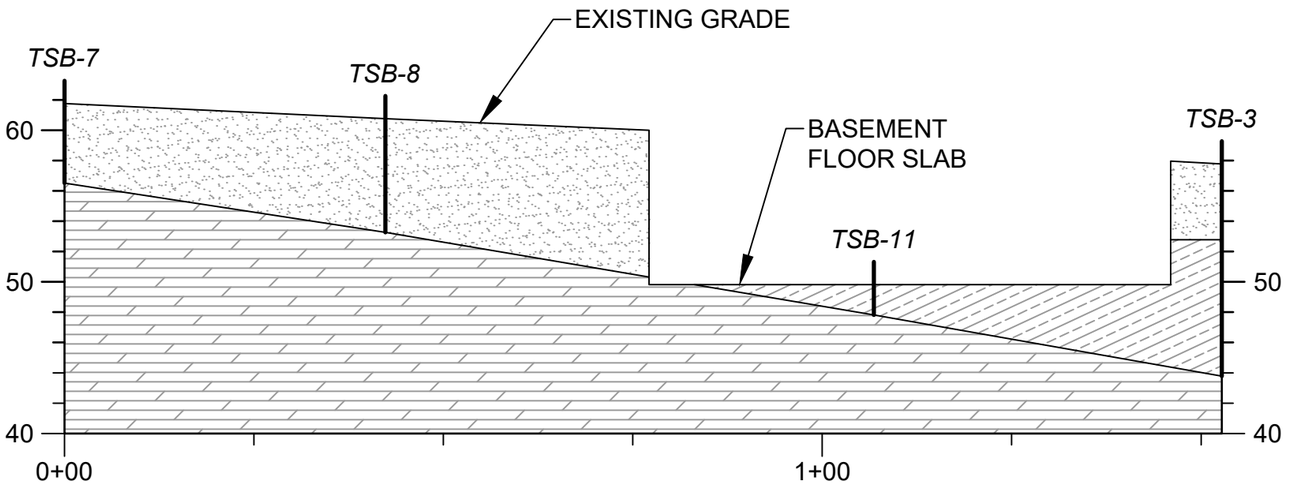
SECTION A-A'



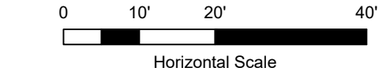


CROSS-SECTION LOCATIONS





SECTION B-B'



LEGEND

- FILL
- NATIVE MATERIAL
- WEATHERED BEDROCK
- BEDROCK

SITE

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CONSULTANT

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DRAWN BY	CHECKED BY	DATE	SCALE:
LM	MC	December 2018	As Noted

DRAWING TITLE: Cross-Sections

DRAWING NO.: Figure 14

Tables

Table 1 - Soil Analytical Results
1500 Astor Avenue - Bronx, NY
BCP Site #C203105

CLIENT SAMPLE ID					TSB-6 (0-2)	TSB-6 (5-7.5)	TSB-5 (0-3.5)	TSB-5 (6-8)	TSB-7 (0-2)	TSB-8 (0-2)	TSB-8 (2-4)	TSB-8 (5-6)	TSB-8A (0-0.5)	TSB-8B (2-3)	TSB-8C (0-0.5)	TSB-8D (0-0.5)	TSB-8 (2-4) DUP	TSB-3 (5-7)	TSB-3 (8-10)	TSB-4 (0-2)	TSB-4 (7-9)	TSB-10 (4-6)	TSB-11 (0-2)	TSB-2 (0-2)	TSB-9 (0-1)	TSB-1 (0-1)
SAMPLING DATE					12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18	12-JUN-18
DEPTH (ft)					0-2	5-7.5	0-3.5	6-8	0-2	0-2	2-4	5-6	0-0.5	2-3	0-0.5	0-0.5	2-4	5-7	8-10	0-2	7-9	4-6	0-2	0-2	0-1	0-1
	NY-UNRES*	NY-RESC**	NY-RESGW***	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
General Chemistry																										
Chromium, Trivalent	30	1500	NS	mg/kg	26	23	**36** J	**32** J	16	**40**	21 J	23 J	-	-	-	-	20 J	22	15 J	**31**	26 J	17 J	**35**	23 J	**36**	17
Solids, Total				%	87.4	88	89.6	84.1	91.6	86.1	90.8	91.3	89.6	90.5	91.2	86.6	90.7	89.1	90.5	90.4	91.8	90.9	86	82.1	89.7	82
Cyanide, Total	27	27	40	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Hexavalent	1	400	19	mg/kg	ND	ND	0.212 J	0.499 J	ND	ND	0.628 J	0.34 J	-	-	-	-	0.22 J	ND	0.221 J	**1.2**	0.327 J	0.275 J	ND	0.512 J	ND	ND
Total Metals																										
Aluminum, Total	NS	NS	NS	mg/kg	6700	6440	10300	10100	7210	11700	7960	6750	-	-	-	-	7570	8990	5290	10600	10400	6080	20300	10100	11600	6690
Antimony, Total	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	13	16	16	mg/kg	2.82	2	2.78	0.874 J	3.17	2.26	1.33	1.03	-	-	-	-	1.36	1.48	0.834 J	1.41	1.12	1.17	0.406 J	2.99	5.55	1.58
Barium, Total	350	400	820	mg/kg	50.3	42.1	79.2	67.1	75	67.2	36.6	33.3	-	-	-	-	36.7	55.9	47.7	67.5	59.4	33.6	178	59.9	81.6	55.9
Beryllium, Total	7.2	590	47	mg/kg	0.155 J	0.122 J	0.26 J	0.126 J	0.195 J	0.288 J	0.163 J	0.11 J	-	-	-	-	0.183 J	0.202 J	0.076 J	0.228 J	0.1 J	0.133 J	0.496	0.287 J	0.334 J	0.288 J
Cadmium, Total	2.5	9.3	7.5	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, Total	NS	NS	NS	mg/kg	23100	22800	3650	1680	38600	1520	1480	2720	-	-	-	-	1210	1320	1320	1370	1790	1760	968	2100	2290	2010
Chromium, Total	NS	NS	NS	mg/kg	26	23.3	36.8	32.9	16	39.5	21.8	23.1	-	-	-	-	20.4	21.9	15.1	32	26.8	17.2	34.7	23.3	36.5	16.6
Cobalt, Total	NS	NS	NS	mg/kg	7.15	6.44	8.72	10.5	6.5	10.2	6.07	6.88	-	-	-	-	6.81	8	6.91	9.58	13	6.46	20.7	13.5	6.02	16.3
Copper, Total	50	270	1720	mg/kg	24.3	21.5	25.2	24.2	24.7	24.8	18.5	18.8	-	-	-	-	18.6	22	18.5	20.7	32.1	18.9	26.7	18.3	30.4	29.9
Iron, Total	NS	NS	NS	mg/kg	13100	12000	16200	16700	12300	18300	12000	10700	-	-	-	-	12100	14400	10800	14800	17800	11100	27600	15700	21300	11800
Lead, Total	63	1000	450	mg/kg	40.4	28.1	**66.3**	3.55 J	46.9	13.6	2.62 J	7.28	-	-	-	-	2.55 J	10.4	1.89 J	3.18 J	2.23 J	2.56 J	8.2	**66.7**	47.1	12.6
Magnesium, Total	NS	NS	NS	mg/kg	5660	2660	2610	3640	5610	2400	1570	2090	-	-	-	-	1480	2270	1810	2100	4700	1720	7240	2290	2220	1410
Manganese, Total	1600	10000	2000	mg/kg	254	240	322	228	193	418	290	219	-	-	-	-	299	306	206	356	220	292	593	247	168	136
Mercury, Total	0.18	2.8	0.73	mg/kg	0.082	0.029 J	0.08	0.024 J	0.091	0.016 J	ND	ND	-	-	-	-	ND	0.017 J	ND	ND	ND	ND	ND	0.069 J	0.08	0.168
Nickel, Total	30	310	130	mg/kg	18.3	15.3	18.2	17.7	10.8	17.7	12.2	12.8	-	-	-	-	12	13.3	11.5	18.8	19.3	12.8	28.5	13.7	15.2	14.6
Potassium, Total	NS	NS	NS	mg/kg	943	741	1760	3980	2040	1210	812	682	-	-	-	-	912	1610	1720	1300	3250	746	10200	1430	1330	1040
Selenium, Total	3.9	1500	4	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.421 J	ND
Silver, Total	2	1500	8.3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	NS	mg/kg	350	282	130 J	151 J	237	159 J	117 J	238	-	-	-	-	118 J	179	192	167 J	97.8 J	185	220	268	139 J	260
Thallium, Total	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	NS	NS	NS	mg/kg	25.4	25.7	36.3	34.8	22.7	37.9	25	25.2	-	-	-	-	26	30	25	31.5	34.3	23.7	51.6	29.7	38.4	22.6
Zinc, Total	109	10000	2480	mg/kg	56.2	26.6	53.7	77.6	61.6	29.8	16.2	18.4	-	-	-	-	15.9	28.2	18.4	21	46.2	16.8	73.9	36.5	39.5	28.3
Chlorinated Herbicides by GC																										
2,4,5-T	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	3.8	500	3.8	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organics by 8260/5035																										
1,1,1,2-Tetrachloroethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	500	0.68	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	240	0.27	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	500	0.33	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190	3.6	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	1.1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	30	0.02	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	0.03 J	ND	0.00022 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0058 J
1,2-Dichloropropane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190	8.4	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	2.4	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	1.8	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	130	0.1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500	0.12	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	500	0.05	mg/kg	ND	0.015	ND	0.0066 J	ND	ND	ND	ND	ND	ND	ND	ND	0.01	0.017	0.009	0.013	0.0062 J	0.0099	0.0095 J	ND	ND	0.01
Acrylonitrile	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	44	0.06	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.76	22	0.76	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500	1.1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J	ND	ND	0.00058 J	0.00049 J	ND	ND	0.00056 J	ND	ND	0.0013 J	0.0012 J
Chloroform	0.37	350	0.37	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	500	0.25	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	0.03 J	ND	0.00022 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0053
cis-1,3-Dichloropropene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	390	1	mg/kg	0.00016 J	0.00013 J	ND	ND	0.00077 J	ND	ND	ND	ND	ND	0.00025 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	0.93	500	0.93	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500	0.05	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	500	12	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	500	3.9	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	500	12	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	NS	mg/kg	ND	ND	ND	ND	0.00095 J	ND	ND	ND	ND	ND	0.00027 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16	0.00053 J	ND	0.00012 J	ND	ND	ND	0.00015 J	ND
p/m-Xylene	NS	NS	NS	mg/kg	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	0.00082 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500	11	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	500	5.9	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	150	1.3	mg/kg	0.00031 J	0.0013	0.00067	ND	0.00039 J	**280**	0.0043	**7.8**	**19**	**17**	0.067	0.026	0.0012	0.00063	ND	ND	ND	ND	0.006	0.017	ND	0.072
Toluene	0.7	500	0.7	mg/kg	0.0034	0.0028	0.0039	0.0043	0.0024	ND	0.0029	ND	ND	ND	0.0044	0.0021	0.0038	0.0037	0.004	0.0027	0.0028	0.0022	0.0034	0.0026	0.003	0.0014
trans-1,2-Dichloroethene	0.19	500	0.19	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00045 J
trans-1,3-Dichloropropene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	200	0.47	mg/kg	ND	ND	ND	ND	0.00043 J	ND	0.0002 J	ND	0.43	0.088	0.0015	ND	ND	ND	ND	ND	ND	ND	0.00028 J	ND	ND	0.0067
Trichlorofluoromethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	13	0.02	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500	1.6	mg/kg	ND	ND	ND	ND	0.0036 J	ND	ND	ND	ND	ND	0.0011 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organics by GC/MS																										
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.028 J	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	1.1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280	2.4	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	1.8	mg/kg	ND	ND	ND	ND	ND	0.065 J	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	NS	mg/kg	ND	ND	ND	ND	0.039 J	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.06 J	ND
2-Methylphenol	0.33	500	0.33	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	500	0.33	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	500	98	mg/kg	0.027 J	ND	ND	ND	0.024 J	ND	ND	ND	-	-	-	-	ND	0.022 J	ND	ND	ND	ND	ND	ND	0.29	ND
Acenaphthylene	100	500	107	mg/kg	0.082 J	ND	0.033 J	ND	0.11 J	0.12 J	ND	ND	-	-	-	-	ND	0.17	ND	ND	ND	ND	ND	ND	0.1 J	ND
Acetophenone	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.042 J	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.029 J	ND
Anthracene	100	500	1000	mg/kg	0.085 J	ND	0.042 J	ND	0.12	0.14	ND	ND	-	-	-	-	ND	0.2	ND	ND	ND	ND	ND	ND	0.61	ND
Benzo(a)anthracene	1	5.6	1	mg/kg	0.45	0.026 J	0.2	ND	0.65	0.41	ND	0.02 J	-	-	-	-	ND	0.97	ND	0.062 J	ND	ND	ND	0.072 J	**1.5**	ND
Benzo(a)pyrene	1	1	22	mg/kg	0.49	ND	0.21	ND	0.66	0.35	ND	ND	-	-	-	-	ND	0.81	ND	0.057 J	ND	ND	ND	0.062 J	**1.1**	ND
Benzo(b)fluoranthene	1	5.6	1.7	mg/kg	0.67	ND	0.28	ND	0.88	**1.7**	ND	0.064 J	-	-	-	-	ND	**1.1**	ND	0.076 J	ND	ND	ND	0.081 J	**1.6**	ND
Benzo(ghi)perylene	100	500	1000	mg/kg	0.29	ND	0.12 J	ND	0.4	1	ND	0.043 J	-	-	-	-	ND	0.43	ND	0.036 J	ND	ND	ND	0.041 J	0.65	ND
Benzo(k)fluoranthene	0.8	56	1.7	mg/kg	0.21	ND	0.093 J	ND	0.32	0.49	ND	ND	-	-	-	-	ND	0.45	ND	0.029 J	ND	ND	ND	0.036 J	0.59	ND
Benzoic Acid	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
Benzyl Alcohol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	NS	mg/kg	ND	ND	ND	ND	0.066 J	6.6	ND	0.52	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.35	ND
Butyl benzyl phthalate	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	NS	mg/kg	0.04 J	ND	ND	ND	0.025 J	0.051 J	ND	ND	-	-	-	-	ND	0.045 J	ND	ND	ND	ND	ND	ND	0.25	ND
Chrysene	1	56	1	mg/kg	0.45	0.02 J	0.2	ND	0.63	0.64	ND	0.025 J	-	-	-	-	ND	0.88	ND	0.064 J	ND	ND	ND	0.066 J	**1.5**	ND
Di-n-butylphthalate	NS	NS	NS	mg/kg	0.039 J	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND
Di-n-octylphthalate	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.27	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.56	1000	mg/kg	0.088 J	ND	0.035 J	ND	0.11	0.26	ND	ND	-	-	-	-	ND	0.14	ND	ND	ND	ND	ND	ND	0.21	ND
Dibenzofuran	7	350	210	mg/kg	ND	ND	ND	ND	0.023 J	0.021 J	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND
Diethyl phthalate	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	500	1000	mg/kg	0.7	0.033 J	0.35	ND	1	0.95	ND	0.029 J	-	-	-	-	ND	1.6	ND	0.1 J	ND	ND	ND	0.16	2.6	ND
Fluorene	30	500	386	mg/kg	ND	ND	ND	ND	0.02 J	ND	ND	ND	-	-	-	-	ND	0.042 J	ND	ND	ND	ND	ND	ND	0.27	ND
Hexachlorobenzene	0.33	6	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	mg/kg	0.34	ND	0.14 J	ND	0.44	**1.1**	ND	0.039 J	-	-	-	-	ND	**0.54**	ND	0.041 J	ND	ND	ND	0.048 J	**0.76**	ND
Isophorone	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	500	12	mg/kg	ND	ND	ND	ND	0.053 J	0.037 J	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	0.026 J	ND	ND	0.071 J	ND
NDPA/DPA	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7	0.8	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500	1000	mg/kg	0.27	ND	0.15	ND	0.32	0.21	ND	ND	-	-	-	-	ND	0.54	ND	0.052 J	ND	ND	ND	0.088 J	2.6	ND
Phenol	0.33	500	0.33	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	500	1000	mg/kg	0.63	0.031 J	0.32	ND	0.95	0.74	ND	0.024 J	-	-	-	-	ND	1.4	ND	0.098 J	ND	ND	ND	0.13	2.3	ND
Polychlorinated Biphenyls by GC																										
Aroclor 1016	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	1	3.2	mg/kg	0.0314 J	0.0117 J	0.0344 J	ND	0.0201 J	**0.202**	ND	0.031 J	-	-	-	-	ND	ND	ND	ND	ND	0.0254 J	ND	ND	ND	ND
Aroclor 1260	0.1	1	3.2	mg/kg	0.0154 J	0.00454 J	0.00974 J	ND	0.00794 J	0.0767	ND	0.011 J	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	0.0549	ND
Aroclor 1262	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	1	3.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	1	3.2	mg/kg	0.0468 J	0.0162 J	0.0441 J	ND	0.028 J	**0.279**	ND	0.042 J	-	-	-	-	ND	ND	ND	ND	ND	0.0254 J	ND	ND	0.0549	ND
Organochlorine Pesticides by GC																										
4,4'-DDD	0.0033	92	14	mg/kg	**0.0402**	**0.0112** J	**0.062**	ND	**0.019**	**0.208**	ND	**0.0773**	-	-	-	-	ND	ND	ND	ND	ND	ND	0.000966 J	**0.0072**	0.00282	**0.0699**
4,4'-DDE	0.0033	62	17	mg/kg	**0.0126**	ND	**0.0664**	0.00101 J	**0.0164** J	**0.0697**	ND	**0.0262**	-	-	-	-	ND	ND	ND	0.000805 J	ND	0.00054 J	0.000818 J	**0.00685**	**0.00889**	**0.0169**
4,4'-DDT	0.0033	47	136	mg/kg	**0.0094**	ND	**0.0861**	ND	ND	**0.189**	ND	**0.0679**	-	-	-	-	ND	0.00214 J	ND	ND	ND	0.00221 J	ND	**0.0468**	**0.0274**	ND
Aldrin	0.005	0.68	0.19	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	3.4	0.02	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	3	0.09	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	NS	NS	NS	mg/kg	0.0863	ND	0.36	ND	ND	0.282	ND	0.0949 J	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	0.0348	ND	ND
cis-Chlordane	0.094	24	2.9	mg/kg	0.0162	ND	0.0561	ND	0.00883 J	0.0385	ND	0.0143 J	-	-	-	-	ND	ND	ND	0.00113 J	ND	ND	ND	0.00331	0.00487	0.00432 J
Delta-BHC	0.04	500	0.25	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	1.4	0.1	mg/kg	**0.00851**	ND	**0.00741**	ND	ND	**0.0295**	ND	**0.0111**	-	-	-	-	ND	ND	ND	0.000722 J	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	200	102	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	200	102	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	200	1000	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	89	0.06	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	15	0.38	mg/kg	ND	ND	0.00117	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	NS	NS	NS	mg/kg	0.00285 J	ND	0.0202	ND	ND	0.0167 J	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	0.00119 J	ND	0.00207 J	ND
Lindane	0.1	9.2	0.1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	NS	NS	mg/kg	0.0172	ND	0.0687	ND	0.00662 J	0.0249	ND	0.00902 J	-	-	-	-	ND	ND	ND	0.00189 J	ND	ND	ND	ND	0.00811	ND

Notes:
Bold and shaded green value indicates concentration exceeds 6NYCRR Part 375 Unrestricted SCOs
Bold and shaded blue value indicates concentration exceeds 6NYCRR Part 375 Restricted Protection of Groundwater SCOs
Bold and shaded gray value indicates concentration exceeds 6NYCRR Part 375 Restricted Commercial SCOs
J = Estimated value
ND = Not detected
\- = Not analyzed
NS = No standard
* = 6NYCRR Part 375 Unrestricted Soil Cleanup Objectives
** = 6NYCRR Part 375 Restricted Commercial Soil Cleanup Objectives
*** = 6NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

Table 2 - Groundwater Analytical Results
1500 Astor Avenue - Bronx, NY
BCP Site #C203105

CLIENT SAMPLE ID			MW-1D		MW-1S		MW-10		DUP_06212018		MW-04		MW-05		MW-11		TRIP BLANK		FIELD BLANK	
SAMPLING DATE			21-JUN-18		21-JUN-18		21-JUN-18		21-JUN-18		21-JUN-18		21-JUN-18		21-JUN-18		21-JUN-18		21-JUN-18	
LAB SAMPLE ID			L1823669-01		L1823669-02		L1823669-03		L1823669-04		L1823669-05		L1823669-06		L1823669-07		L1823669-08		L1823672-05	
	NY-AWQS*	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																				
Cyanide, Total	200	ug/l	ND		ND		ND		ND		ND		3	J	ND		-		-	
Chromium, Hexavalent	50	ug/l	ND		ND		ND		ND		4	J	ND		ND		-		-	
Volatile Organics by GC/MS																				
1,1,1,2-Tetrachloroethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,1,1-Trichloroethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,1,2,2-Tetrachloroethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,1,2-Trichloroethane	1	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,1-Dichloroethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,1-Dichloroethene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,1-Dichloropropene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2,3-Trichlorobenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2,3-Trichloropropane	0.04	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2,4,5-Tetramethylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2,4-Trichlorobenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2,4-Trimethylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2-Dibromoethane	0.0006	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2-Dichlorobenzene	3	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2-Dichloroethane	0.6	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,2-Dichloroethene, Total	NS	ug/l	ND		ND		ND		ND		ND		41		5.5		ND		-	
1,2-Dichloropropane	1	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,3,5-Trimethylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,3-Dichlorobenzene	3	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,3-Dichloropropane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,3-Dichloropropene, Total	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,4-Dichlorobenzene	3	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
1,4-Dioxane	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
2,2-Dichloropropane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
2-Butanone	50	ug/l	2.5	J	ND		ND		ND		ND		ND		ND		ND		-	
2-Hexanone	50	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
4-Methyl-2-pentanone	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Acetone	50	ug/l	49		1.6	J	2	J	ND		ND		ND		1.6	J	ND		-	
Acrylonitrile	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Benzene	1	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Bromobenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Bromochloromethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Bromodichloromethane	50	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Bromoform	50	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Bromomethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Carbon disulfide	60	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Carbon tetrachloride	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Chlorobenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Chloroethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Chloroform	7	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Chloromethane	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
cis-1,2-Dichloroethene	5	ug/l	ND		ND		ND		ND		ND		41		5.5		ND		-	
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Dibromochloromethane	50	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Dibromomethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Dichlorodifluoromethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Ethyl ether	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Ethylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Isopropylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Methyl tert butyl ether	10	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Methylene chloride	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
n-Butylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
n-Propylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Naphthalene	10	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
o-Chlorotoluene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
o-Xylene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
p-Chlorotoluene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
p-Diethylbenzene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
p-Ethyltoluene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
p-Isopropyltoluene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
p/m-Xylene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
sec-Butylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Styrene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
tert-Butylbenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Tetrachloroethene	5	ug/l	24		160		0.22	J	0.28	J	ND		62		69		ND		-	
Toluene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
trans-1,2-Dichloroethene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
trans-1,4-Dichloro-2-butene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Trichloroethene	5	ug/l	0.9		2.5		ND		ND		ND		10		2.9		ND		-	
Trichlorofluoromethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Vinyl acetate	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Vinyl chloride	2	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Xylenes, Total	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		ND		-	
Total Metals																				
Aluminum, Total	NS	ug/l	5280		462		72		22.7		49.5		3.6	J	6.99	J	-		-	
Antimony, Total	3	ug/l	0.82	J	ND		0.62	J	0.56	J	ND		ND		ND		-		-	
Arsenic, Total	25	ug/l	0.5		ND		0.21	J	0.19	J	ND		0.24	J	0.17	J	-		-	
Barium, Total	1000	ug/l	155.3		174.2		122.1		126.2		31.8		117.1		118.3		-		-	
Beryllium, Total	3	ug/l	0.12	J	ND		ND		ND		ND		ND		ND		-		-	
Cadmium, Total	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Calcium, Total	NS	ug/l	73100		49600		50100		51400		43900		128000		78900		-		-	
Chromium, Total	50	ug/l	12.91		2.67		1.88		4.57		6.75		1.19		1.02		-		-	
Cobalt, Total	NS	ug/l	4.8		0.47	J	0.17	J	ND		ND		0.21	J	0.5		-		-	
Copper, Total	200	ug/l	8.97		1.53		1.66		2.15		0.84	J	2.3		0.53	J	-		-	
Iron, Total	300	ug/l	8960		744		137		72		53.5		26.5	J	ND		-		-	
Lead, Total	25	ug/l	2.43		ND		ND		ND		ND		ND		ND		-		-	
Magnesium, Total	35000	ug/l	15800		8450		7570		8320		12900		28700		12600		-		-	
Manganese, Total	300	ug/l	298.5		6.27		1.35		2.59		1.41		0.6	J	2.15		-		-	
Mercury, Total	0.7	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Nickel, Total	100	ug/l	11.37		1.09	J	ND		1.19	J	1.81	J	1.65	J	ND		-		-	
Potassium, Total	NS	ug/l	10800		3330		4800		4400		3130		5000		5680		-		-	
Selenium, Total	10	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Silver, Total	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Sodium, Total	20000	ug/l	134000		142000		132000		131000		15000		190000		141000		-		-	
Thallium, Total	0.5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Vanadium, Total	NS	ug/l	14.73		2.4	J	3.12	J	2.9	J	ND		ND		2.11	J	-		-	
Zinc, Total	2000	ug/l	36.8		3.92	J	ND		ND		ND		ND		ND		-		-	
Chlorinated Herbicides by GC																				
2,4,5-T	35	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4,5-TP (Silvex)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4-D	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Semivolatile Organics by GC/MS																				
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
1,2,4-Trichlorobenzene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
1,2-Dichlorobenzene	3	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
1,3-Dichlorobenzene	3	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
1,4-Dichlorobenzene	3	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4,5-Trichlorophenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4,6-Trichlorophenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4-Dichlorophenol	1	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4-Dimethylphenol	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4-Dinitrophenol	10	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,4-Dinitrotoluene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2,6-Dinitrotoluene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2-Chlorophenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2-Methylphenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2-Nitroaniline	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2-Nitrophenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
3,3'-Dichlorobenzidine	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
3-Methylphenol/4-Methylphenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
3-Nitroaniline	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4,6-Dinitro-o-cresol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4-Bromophenyl phenyl ether	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4-Chloroaniline	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4-Chlorophenyl phenyl ether	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4-Nitroaniline	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4-Nitrophenol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Acetophenone	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzoic Acid	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzyl Alcohol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Biphenyl	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Bis(2-chloroethoxy)methane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Bis(2-chloroethyl)ether	1	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Bis(2-chloroisopropyl)ether	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Bis(2-ethylhexyl)phthalate	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Butyl benzyl phthalate	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Carbazole	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Di-n-butylphthalate	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Di-n-octylphthalate	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Dibenzofuran	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Diethyl phthalate	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Dimethyl phthalate	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Hexachlorocyclopentadiene	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Isophorone	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
n-Nitrosodi-n-propylamine	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
NDPA/DPA	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Nitrobenzene	0.4	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
p-Chloro-m-cresol	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Phenol	1	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Semivolatile Organics by GC/MS-SIM																				
2-Chloronaphthalene	10	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
2-Methylnaphthalene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Acenaphthene	20	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Acenaphthylene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Anthracene	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzo(a)anthracene	0.002	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzo(a)pyrene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzo(b)fluoranthene	0.002	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzo(ghi)perylene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Benzo(k)fluoranthene	0.002	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Chrysene	0.002	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Dibenzo(a,h)anthracene	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Fluoranthene	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Fluorene	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Hexachlorobenzene	0.04	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Hexachloroethane	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Indeno(1,2,3-cd)pyrene	0.002	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Naphthalene	10	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Pentachlorophenol	1	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Phenanthrene	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Pyrene	50	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
1,4 Dioxane by 8270D-SIM																				
1,4-Dioxane	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Perfluorinated Alkyl Acids by Isotope Dilution																				
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	ug/l	0.161		0.00053	J	0.000522	J	0.00112	J	0.00241		0.000344	J	ND		-		0.000468	J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
Perfluorobutanesulfonic Acid (PFBS)	NS	ug/l	0.00167	J	0.00286		0.00342		0.00343		0.0156		0.0105		0.00658		-		ND	
Perfluorobutanoic Acid (PFBA)	NS	ug/l	0.00894		0.00383		0.00558		0.00558		0.00536		0.0185		0.00616		-		ND	
Perfluorodecanesulfonic Acid (PFDS)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
Perfluorodecanoic Acid (PFDA)	NS	ug/l	0.00128	J	0.00108	J	0.00114	J	0.000993	J	ND		0.00213		0.00128	J	-		ND	
Perfluorododecanoic Acid (PFDoA)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
Perfluoroheptanesulfonic Acid (PFHpS)	NS	ug/l	ND		ND		ND		ND		ND		0.003		0.000996	J	-		ND	
Perfluoroheptanoic Acid (PFHpA)	NS	ug/l	0.00916		0.00429		0.00781		0.00766		0.00717		0.0183		0.0075		-		ND	
Perfluorohexanesulfonic Acid (PFHxS)	NS	ug/l	0.000659	J	0.00164	J	0.00252		0.00228		0.0051		0.0151		0.00495		-		ND	
Perfluorohexanoic Acid (PFHxA)	NS	ug/l	0.0247		0.00305		0.00487		0.00478		0.00916		0.0233		0.00615		-		ND	
Perfluorononanoic Acid (PFNA)	NS	ug/l	0.0015	J	0.00119	J	0.000896	J	0.000832	J	0.00777		0.0062		0.00413		-		ND	
Perfluorooctanesulfonamide (FOSA)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
Perfluorooctanesulfonic Acid (PFOS)	NS	ug/l	0.0189		0.014		0.0106		0.0109		0.0176		0.103		0.0596		-		0.000321	J
Perfluorooctanoic Acid (PFOA)	NS	ug/l	0.00876		0.015		0.0232		0.0239		0.0452		0.0867		0.0323		-		0.000275	J
Perfluoropentanoic Acid (PFPeA)	NS	ug/l	0.0357		0.0025		0.00367		0.00364		0.00566		0.0211		0.00563		-		ND	
Perfluorotetradecanoic Acid (PFTA)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
Perfluorotridecanoic Acid (PFTrDA)	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		ND	
Perfluoroundecanoic Acid (PFUnA)	NS	ug/l	0.00037	J	ND		ND		ND		ND		ND		ND		-		ND	
Polychlorinated Biphenyls by GC																				
Aroclor 1016	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1221	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1232	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1242	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1248	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1254	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1260	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1262	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Aroclor 1268	0.09	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
PCBs, Total	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Organochlorine Pesticides by GC																				
4,4'-DDD	0.3	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4,4'-DDE	0.2	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
4,4'-DDT	0.2	ug/l	ND		0.039		ND		ND		ND		0.039		ND		-		-	
Aldrin	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Alpha-BHC	0.01	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Beta-BHC	0.04	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Chlordane	0.05	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
cis-Chlordane	NS	ug/l	ND		ND		0.035		0.017		0.966		0.04		ND		-		-	
Delta-BHC	0.04	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Dieldrin	0.004	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Endosulfan I	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Endosulfan II	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Endosulfan sulfate	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Endrin	NS	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Endrin aldehyde	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Endrin ketone	5	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Heptachlor	0.04	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Heptachlor epoxide	0.03	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Lindane	0.05	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Methoxychlor	35	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
Toxaphene	0.06	ug/l	ND		ND		ND		ND		ND		ND		ND		-		-	
trans-Chlordane	NS	ug/l	ND		ND		ND		ND		0.356		ND		ND		-		-	

Notes:
Bold and shaded value indicates concentration exceeds TOGS AWQS*
J = Estimated value
ND = Not detected
- = Not Analyzed
NS = No Standard
* = NYSDEC TOGS 1.1.1. Ambient Water Quality Standards (AWQS)

Table 3 - VOCs in Sub-slab Soil Vapor and Co-located Indoor Air
1500 Astor Avenue - Bronx, NY
BCP Site #C203105

SAMPLE ID:	Matrix	NYSDOH AGV	EPA BASE*	Units	TSV-1		TIA-1		TSV-2		TIA-2		Matrix Action**
LAB ID:					L1811080-01		L1811080-02		L1811080-03		L1811080-04		
COLLECTION DATE:					3/29/2018		3/29/2018		3/29/2018		3/29/2018		
					Conc	Q	Conc	Q	Conc	Q	Conc	Q	
Volatile Organic Compounds													
Dichlorodifluoromethane	--	--	13.8	ug/m3	ND		2.09		2.03		2.06		
Chloromethane	--	--	2.9	ug/m3	1.55		1.51		0.582		1.13		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	--	--	--	ug/m3	ND		ND		ND		ND		
Vinyl chloride	C	--	0.5	ug/m3	ND		ND		ND		ND		No further action
1,3-Butadiene	--	--	1.4	ug/m3	ND		ND		ND		ND		
Bromomethane	--	--	0.6	ug/m3	ND		ND		ND		ND		
Chloroethane	--	--	1.1	ug/m3	ND		ND		ND		ND		
Ethyl Alcohol	--	--	39	ug/m3	398		**1750**	**E**	112		**79.9**		
Vinyl bromide	--	--	--	ug/m3	ND		ND		ND		ND		
Acetone	--	--	54	ug/m3	83.4		**171**		46.3		**65.1**		
Trichlorofluoromethane	--	--	19.4	ug/m3	ND		1.58		ND		ND		
iso-Propyl Alcohol	--	--	--	ug/m3	124		1960	E	55.1		197		
1,1-Dichloroethene	A	--	0.5	ug/m3	ND		ND		ND		ND		No further action
tert-Butyl Alcohol	--	--	--	ug/m3	ND		ND		2.06		ND		
Methylene chloride	B	60	21.2	ug/m3	ND		ND		ND		ND		No further action
3-Chloropropene	--	--	--	ug/m3	ND		ND		ND		ND		
Carbon disulfide	--	--	1.9	ug/m3	ND		ND		ND		ND		
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	ug/m3	ND		2.66		ND		ND		
trans-1,2-Dichloroethene	--	--	--	ug/m3	ND		ND		ND		ND		
1,1-Dichloroethane	--	--	0.2	ug/m3	ND		ND		ND		ND		
Methyl tert butyl ether	--	--	3.3	ug/m3	ND		ND		ND		ND		
2-Butanone	--	--	6.2	ug/m3	ND		1.47		1.55		ND		
cis-1,2-Dichloroethene	A	--	0.6	ug/m3	2.43		ND		ND		ND		No further action
Ethyl Acetate	--	--	3	ug/m3	ND		2.57		ND		ND		
Chloroform	--	--	0.5	ug/m3	ND		ND		ND		ND		
Tetrahydrofuran	--	--	--	ug/m3	5.07		ND		2.47		ND		
1,2-Dichloroethane	--	--	0.9	ug/m3	ND		ND		ND		ND		
n-Hexane	--	--	6.3	ug/m3	3.18		1.06		4.79		1.83		
1,1,1-Trichloroethane	B	--	16.2	ug/m3	ND		ND		ND		ND		No further action
Benzene	--	--	4.5	ug/m3	2.39		1.27		2.97		1.68		
Carbon tetrachloride	A	--	0.5	ug/m3	ND		**0.598**		ND		0.453		No further action
Cyclohexane	--	--	--	ug/m3	ND		ND		2.01		ND		
1,2-Dichloropropane	--	--	0.6	ug/m3	ND		ND		ND		ND		
Bromodichloromethane	--	--	--	ug/m3	ND		ND		ND		ND		
1,4-Dioxane	--	--	--	ug/m3	ND		ND		ND		ND		
Trichloroethene	A	2	2.6	ug/m3	14.7		0.156		ND		ND		No further action
2,2,4-Trimethylpentane	--	--	--	ug/m3	ND		1.29		3.59		1.42		
Heptane	--	--	--	ug/m3	4.07		2.64		6.76		0.963		
cis-1,3-Dichloropropene	--	--	0.9	ug/m3	ND		ND		ND		ND		
4-Methyl-2-pentanone	--	--	3.1	ug/m3	ND		ND		ND		ND		
trans-1,3-Dichloropropene	--	--	0.5	ug/m3	ND		ND		ND		ND		
1,1,2-Trichloroethane	--	--	0.6	ug/m3	ND		ND		ND		ND		
Toluene	--	--	25.1	ug/m3	4.67		6.26		7.61		4.64		
2-Hexanone	--	--	--	ug/m3	ND		ND		ND		ND		
Dibromochloromethane	--	--	--	ug/m3	ND		ND		ND		ND		
1,2-Dibromoethane	--	--	0.6	ug/m3	ND		ND		ND		ND		
Tetrachloroethene	B	30	6	ug/m3	**154**		**5.74**		33.4		2.15		Monitor
Chlorobenzene	--	--	0.4	ug/m3	ND		ND		ND		ND		
Ethylbenzene	--	--	2.8	ug/m3	ND		**17.9**		0.999		ND		
p/m-Xylene	--	--	10.8	ug/m3	ND		**65.2**		3.21		2.78		
Bromoform	--	--	--	ug/m3	ND		ND		ND		ND		
Styrene	--	--	1.5	ug/m3	ND		ND		2.47		ND		
1,1,2,2-Tetrachloroethane	--	--	--	ug/m3	ND		ND		ND		ND		
o-Xylene	--	--	3.8	ug/m3	ND		**23.2**		1.25		1.04		
4-Ethyltoluene	--	--	1.7	ug/m3	ND		ND		ND		ND		
1,3,5-Trimethylbenzene	--	--	1.6	ug/m3	ND		ND		ND		ND		
1,2,4-Trimethylbenzene	--	--	4.8	ug/m3	4.91		1.95		ND		1.4		
Benzyl chloride	--	--	1.2	ug/m3	ND		ND		ND		ND		
1,3-Dichlorobenzene	--	--	0.6	ug/m3	ND		ND		ND		ND		
1,4-Dichlorobenzene	--	--	3.1	ug/m3	ND		ND		ND		ND		
1,2-Dichlorobenzene	--	--	0.6	ug/m3	ND		ND		ND		ND		
1,2,4-Trichlorobenzene	--	--	1.1	ug/m3	ND		ND		ND		ND		
Hexachlorobutadiene	--	--	--	ug/m3	ND		ND		ND		ND		

Notes:
NYSDOH AGV = New York State Department of Health Air Guidance Values, Table 3.1 in NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates
EPA BASE = EPA 2001: Building Assessment and Survey Evaluation Database, Table C2 in NYSDOH Soil Vapor Guidance, October 2006 with May 2017 updates
* = Indoor air values are compared to EPA BASE values when NYSDOH Air Guidance Values are not available
** = Matrix actions are described in the report narrative and the NYSDOH Soil Vapor Guidance, with May 2017 updates
Bold and blue shaded values indicate Monitor matrix decision
Bold and gray shaded value indicates indoor air concentration exceeds NYSDOH Air Guidance Values
Bold and yellow shaded value indicates indoor air concentration exceeds EPA BASE Indoor Air Mean Values
Q = Laboratory Data Qualifier
ND = Not Detected
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 4 - VOCs in Exterior Soil Vapor and Ambient Air
1500 Astor Avenue - Bronx, NY
BCP Site #C203105

SAMPLE ID:	Units	TAA		AMBIENT		TSV-3		TSV-4	
LAB ID:		L1811080-05		L1823655-01		L1823655-02		L1823655-03	
COLLECTION DATE:		3/29/2018		6/21/2018		6/21/2018		6/21/2018	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds									
Dichlorodifluoromethane	ug/m^3	1.99		3.41		54.9		3.66	
Chloromethane	ug/m^3	1.09		1.42		0.7		0.931	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	ND		ND		ND		ND	
Vinyl chloride	ug/m^3	ND		ND		ND		ND	
1,3-Butadiene	ug/m^3	ND		ND		2.7		ND	
Bromomethane	ug/m^3	ND		ND		ND		ND	
Chloroethane	ug/m^3	ND		ND		ND		ND	
Ethyl Alcohol	ug/m^3	12.5		10.1		279		407	
Vinyl bromide	ug/m^3	ND		ND		ND		ND	
Acetone	ug/m^3	9.19		10.2		124		170	
Trichlorofluoromethane	ug/m^3	ND		1.85		3.14		2.11	
iso-Propyl Alcohol	ug/m^3	11.9		1.84		11.3		17	
1,1-Dichloroethene	ug/m^3	ND		ND		ND		ND	
tert-Butyl Alcohol	ug/m^3	ND		ND		8		12.5	
Methylene chloride	ug/m^3	ND		ND		ND		ND	
3-Chloropropene	ug/m^3	ND		ND		ND		ND	
Carbon disulfide	ug/m^3	ND		ND		28.1		3.52	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m^3	ND		ND		ND		ND	
trans-1,2-Dichloroethene	ug/m^3	ND		ND		ND		ND	
1,1-Dichloroethane	ug/m^3	ND		ND		ND		ND	
Methyl tert butyl ether	ug/m^3	ND		ND		ND		ND	
2-Butanone	ug/m^3	ND		ND		28.3		53.4	
cis-1,2-Dichloroethene	ug/m^3	ND		ND		ND		ND	
Ethyl Acetate	ug/m^3	ND		ND		2.92		2.44	
Chloroform	ug/m^3	ND		ND		1.44		5.18	
Tetrahydrofuran	ug/m^3	ND		ND		1.95		ND	
1,2-Dichloroethane	ug/m^3	ND		ND		ND		ND	
n-Hexane	ug/m^3	ND		0.895		6.13		2.5	
1,1,1-Trichloroethane	ug/m^3	ND		ND		ND		ND	
Benzene	ug/m^3	0.962		ND		19.4		9.33	
Carbon tetrachloride	ug/m^3	0.44		ND		ND		ND	
Cyclohexane	ug/m^3	ND		ND		2.51		1.12	
1,2-Dichloropropane	ug/m^3	ND		ND		ND		ND	
Bromodichloromethane	ug/m^3	ND		ND		ND		ND	
1,4-Dioxane	ug/m^3	ND		ND		ND		ND	
Trichloroethene	ug/m^3	ND		ND		4.19		ND	
2,2,4-Trimethylpentane	ug/m^3	ND		ND		4.56		1.75	
Heptane	ug/m^3	ND		ND		2.26		1.06	
cis-1,3-Dichloropropene	ug/m^3	ND		ND		ND		ND	
4-Methyl-2-pentanone	ug/m^3	ND		ND		5.41		3.29	
trans-1,3-Dichloropropene	ug/m^3	ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/m^3	ND		ND		ND		ND	
Toluene	ug/m^3	2.14		1.18		14.9		4.26	
2-Hexanone	ug/m^3	ND		ND		ND		3.61	
Dibromochloromethane	ug/m^3	ND		ND		ND		ND	
1,2-Dibromoethane	ug/m^3	ND		ND		ND		ND	
Tetrachloroethene	ug/m^3	0.875		ND		26.3		42.7	
Chlorobenzene	ug/m^3	ND		ND		ND		ND	
Ethylbenzene	ug/m^3	ND		ND		4.39		ND	
p/m-Xylene	ug/m^3	ND		ND		13.7		2.15	
Bromoform	ug/m^3	ND		ND		ND		ND	
Styrene	ug/m^3	ND		ND		6.3		4.68	
1,1,2,2-Tetrachloroethane	ug/m^3	ND		ND		ND		ND	
o-Xylene	ug/m^3	ND		ND		4.95		ND	
4-Ethyltoluene	ug/m^3	ND		ND		ND		ND	
1,3,5-Trimethylbenzene	ug/m^3	ND		ND		ND		ND	
1,2,4-Trimethylbenzene	ug/m^3	ND		ND		1.09		ND	
Benzyl chloride	ug/m^3	ND		ND		ND		ND	
1,3-Dichlorobenzene	ug/m^3	ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/m^3	ND		ND		ND		ND	
1,2-Dichlorobenzene	ug/m^3	ND		ND		ND		ND	
1,2,4-Trichlorobenzene	ug/m^3	ND		ND		ND		ND	
Hexachlorobutadiene	ug/m^3	ND		ND		ND		ND	

Notes:
Q = Laboratory Data Qualifier
ND = Not Detected