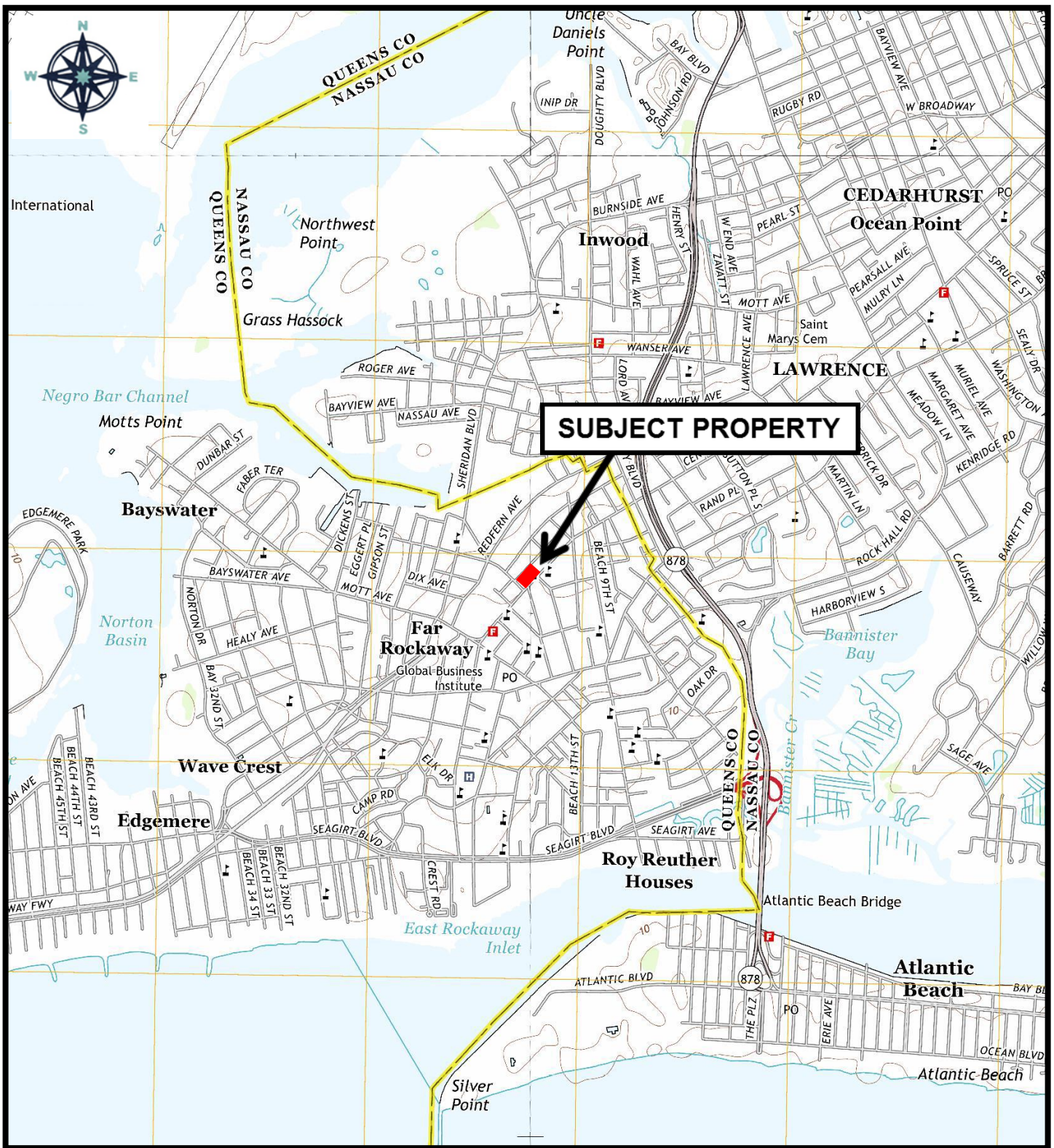


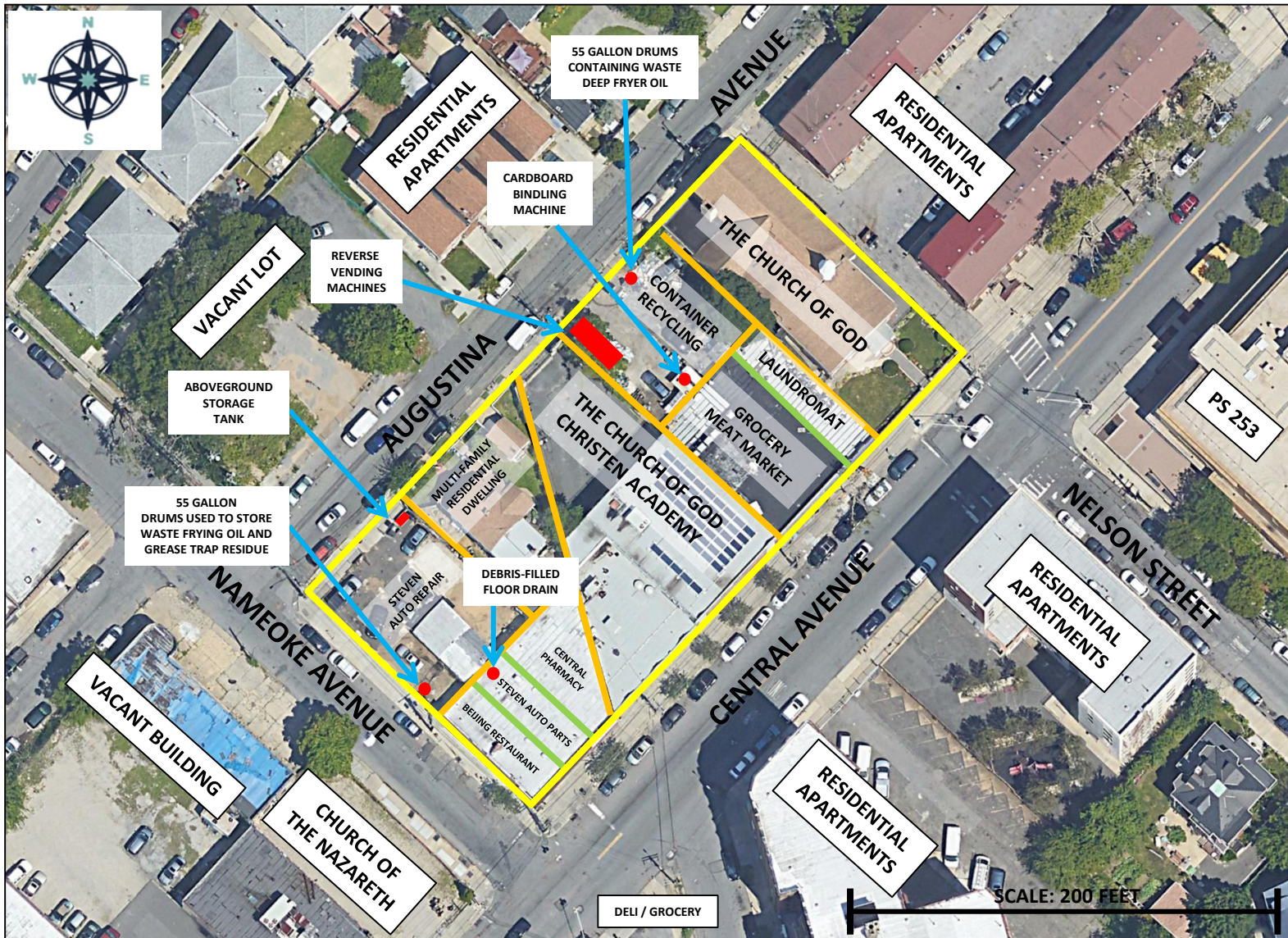


Scale 1:24,000

FAR ROCKAWAY, LYNBROOK, LAWRENCE, JAMAICA, NY
7.5 Minute U.S.G.S. Quadrangles – 2013



Figure 1
Site Location Map
MPB Community Square
1316, 1320-1328, and 1338-1342 Central Avenue /
1325 – 1327, and 1337 Augustina Avenue,
Far Rockaway, New York



Yellow line indicates the boundary of the subject site proposed for redevelopment.



Figure 2
Site Plan
MPB Community Square
1316, 1320-1328, and 1338-1342 Central Avenue /
1325 – 1327, and 1337 Augustina Avenue
Far Rockaway, New York



- MPB-SB-1 ● ● LOCATION OF PROPOSED SOIL BORINGS
- MPB-SB-2 ● ● LOCATION OF PROPOSED SOIL BORINGS AND GRAB GROUNDWATER SAMPLES
- MPB-MW-1 ● LOCATION OF EXISTING MONITORING WELL
- MPB-SV-1 ▲ ▲ LOCATION OF PROPOSED SOIL VAPOR AND AMBIENT AIR SAMPLING POINTS

— INDICATES DIAGONAL BORING UNDER BUILDING

AECOM

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— TAX LOT NUMBER AND BOUNDARY

Figure 3
Location of Environmental Samples
MPB Community Square
1316, 1320-1328, and 1338-1342 Central Avenue /
1325 – 1327, and 1337 Augustina Avenue
Far Rockaway, New York

Location ID	MPB-SB-2A	MPB-SB-2B	MPB-SB-2B	MPB-SB-2C
Sample Depth	0 - 2 ft	2 - 4 ft	2 - 4 ft	4 - 6 ft
Sample Date	11/26/2018	11/26/2018	11/26/2018	11/26/2018
VOCs - BTEX (mg/Kg)	ND	ND	ND	ND
Other VOCs (mg/Kg)				
2-Butanone (MEK)	ND	0.626	0.325	ND
Acetone	ND	0.672	0.468	ND
Toluene	ND	0.777	ND	ND
SVOCs - PAHs (mg/Kg)	ND	ND	ND	ND
Other SVOC (mg/Kg)	ND	ND	ND	ND
Pesticides (mg/Kg)				
4-4'-DDD	ND	ND	0.022	ND
PCBs (mg/Kg)	ND	ND	ND	ND
Metals (mg/Kg)				
Copper	73.9	ND	ND	ND
Lead	121	ND	ND	ND
Cyanide (mg/Kg)	ND	ND	ND	ND

Location ID	MPB-SB-3A	MPB-SB-3B	MPB-SB-3C
Sample Depth	0 - 2 ft	2 - 4 ft	4 - 6 ft
Sample Date	11/26/2018	11/26/2018	11/26/2018
VOCs - BTEX (mg/Kg)	ND	ND	ND
Other VOCs (mg/Kg)	ND	ND	ND
SVOCs - PAHs (mg/Kg)	ND	ND	ND
Other SVOC (mg/Kg)	ND	ND	ND
Pesticides (mg/Kg)	ND	ND	ND
PCBs (mg/Kg)	ND	ND	ND
Metals (mg/Kg)			
Chromium (Total)	ND	ND	33.4
Cyanide (mg/Kg)	ND	ND	ND

Location ID	MPB-SB-1A	MPB-SB-1B	MPB-SB-1C
Sample Depth	0 - 2 ft	2 - 4 ft	4 - 6 ft
Sample Date	11/20/2018	11/20/2018	11/20/2018
VOCs - BTEX (mg/Kg)	ND	ND	ND
Other VOCs (mg/Kg)	ND	ND	ND
SVOCs - PAHs (mg/Kg)	ND	ND	ND
Other SVOC (mg/Kg)	ND	ND	ND
Pesticides (mg/Kg)	ND	ND	ND
PCBs (mg/Kg)	ND	ND	ND
Metals (mg/Kg)	ND	ND	ND
Cyanide (mg/Kg)	ND	ND	ND

Location ID	MPB-SB-6A	MPB-SB-6B	MPB-SB-6C
Sample Depth	0 - 2 ft	2 - 4 ft	4 - 6 ft
Sample Date	11/27/2018	11/27/2018	11/27/2018
VOCs - BTEX (mg/Kg)	ND	ND	ND
Other VOCs (mg/Kg)	ND	ND	ND
SVOCs - PAHs (mg/Kg)			
Benzo(a)anthracene	4.64	ND	ND
Benzo(a)pyrene	3.49	ND	ND
Benzo(b)fluoranthene	3.44	ND	ND
Benzo(k)fluoranthene	2.8	ND	ND
Chrysene	4.35	ND	ND
Dibenzo(a,h)anthracene	0.58	ND	ND
Indeno(1,2,3-c,d)pyrene	2.48	ND	ND
Other SVOC (mg/Kg)	ND	ND	ND
Pesticides (mg/Kg)			
4-4'-DDT	0.0071	ND	ND
PCBs (mg/Kg)	ND	ND	ND
Metals (mg/Kg)			
Lead	107	0.835	1.33
Zinc	194	4.61	3.51
Cyanide (mg/Kg)	ND	ND	ND

Location ID	MPB-SB-4A	MPB-SB-4B	MPB-SB-4C
Sample Depth	0 - 2 ft	2 - 4 ft	4 - 6 ft
Sample Date	11/27/2018	11/27/2018	11/27/2018
VOCs - BTEX (mg/Kg)	ND	ND	ND
Other VOCs (mg/Kg)	ND	ND	ND
SVOCs - PAHs (mg/Kg)	ND	ND	ND
Other SVOC (mg/Kg)	ND	ND	ND
Pesticides (mg/Kg)	ND	ND	ND
PCBs (mg/Kg)	ND	ND	ND
Metals (mg/Kg)	ND	ND	ND
Cyanide (mg/Kg)	ND	ND	ND

Location ID	MPB-SB-5A	MPB-SB-5B	MPB-SB-5C
Sample Depth	0 - 2 ft	2 - 4 ft	4 - 6 ft
Sample Date	11/27/2018	11/27/2018	11/27/2018
VOCs - BTEX (mg/Kg)	ND	ND	ND
Other VOCs (mg/Kg)	ND	ND	ND
SVOCs - PAHs (mg/Kg)	ND	ND	ND
Other SVOC (mg/Kg)	ND	ND	ND
Pesticides (mg/Kg)	ND	ND	ND
PCBs (mg/Kg)	ND	ND	ND
Metals (mg/Kg)	ND	ND	ND
Cyanide (mg/Kg)	ND	ND	ND

Figure 4
Soil Sample Results
MPB Community Square
1316, 1320-1328, and 1338-1342 Central Avenue /
1325 – 1327, and 1337 Augustina Avenue
Far Rockaway, New York



Notes:

mg/Kg - milligrams per kilogram

ND - Not Detected above NYSDEC Part 375-6 Unrestricted Use SCOs

Blue highlighted cells exceed NYSDEC Part 375-6 Unrestricted Use SCOs

Green highlighted cells exceed NYSDEC Part 375-6 Residential SCOs

Orange highlighted cells exceed NYSDEC Part 375-6 Commercial SCOs

Location ID	MPB-GW-4
Sample Date	11/20/2018
VOCs - BTEX (ug/L)	ND
Other VOCs (ug/L)	
Chloroform	0.58
Tetrachloroethylene	1.75
SVOCs - PAHs (ug/L)	ND
Other SVOC (ug/L)	ND
1,4-Dioxane (ug/L)	ND
Per- and Polyfluoroalkyl Substances (ug/L)	
Perfluorobutanesulfonic acid	0.0051
Perfluorobutanoic acid	0.016
Perfluoroheptanoic acid	0.013
Perfluorohexanesulfonic acid	0.0052
Perfluorohexanoic acid	0.029
Perfluorooctanesulfonic acid	0.1
Perfluorooctanoic acid	0.037
Perfluoropentanoic acid	0.037
Pesticides (ug/L)	
Dieldrin	1.2
PCBs (ug/L)	
Total Metals (ug/L)	
Aluminum	25.2
Arsenic	1.40
Barium	41.7
Calcium	26700
Chromium (Total)	0.9
Cobalt	2.2
Copper	2.8
Iron	3200
Magnesium	3910
Manganese	95.4
Nickel	8.2
Potassium	3750
Sodium	115000
Zinc	10.1
Dissolved Metals (ug/L)	
Barium	45.3
Calcium	29200
Cobalt	2.6
Copper	4.2
Iron	3210
Magnesium	3910
Manganese	112
Nickel	10.0
Potassium	4100
Sodium	121000
Zinc	7.4
Cyanide (ug/L)	ND

Location ID	MPB-MW-1
Sample Date	11/20/2018
VOCs - BTEX (ug/L)	ND
Other VOCs (ug/L)	
Chloroform	3.41
Tetrachloroethylene	4.87
SVOCs - PAHs (ug/L)	ND
Other SVOC (ug/L)	ND
1,4-Dioxane (ug/L)	ND
Per- and Polyfluoroalkyl Substances (ug/L)	
Perfluorobutanesulfonic acid	0.0059
Perfluoroheptanoic acid	0.0056
Perfluorohexanoic acid	0.0061
Perfluorooctanesulfonic acid	0.025
Perfluorooctanoic acid	0.031
Pesticides (ug/L)	
Chlordane	0.092
PCBs (ug/L)	ND
Total Metals (ug/L)	
Aluminum	998
Barium	54.2
Calcium	33600
Chromium (Total)	2.2
Copper	7.0
Iron	956
Magnesium	5340
Manganese	84.7
Nickel	2.7
Potassium	4740
Sodium	64800
Vanadium	2.0
Zinc	60.4
Dissolved Metals (ug/L)	
Aluminum	10.4
Barium	55.6
Calcium	40000
Copper	3.0
Iron	63.0
Magnesium	5150
Manganese	143
Nickel	2.2
Potassium	4660
Sodium	69300
Zinc	38.8
Cyanide (ug/L)	ND

Location ID	MPB-GW-5
Sample Date	11/20/2018
VOCs - BTEX (ug/L)	ND
Other VOCs (ug/L)	
Tetrachloroethylene	0.48
SVOCs - PAHs (ug/L)	NA
Other SVOC (ug/L)	NA
1,4-Dioxane (ug/L)	ND
Per- and Polyfluoroalkyl Substances (ug/L)	
Perfluorobutanesulfonic acid	0.0040
Perfluoroheptanoic acid	0.0064
Perfluorohexanoic acid	0.0093
Perfluorooctanesulfonic acid	0.053
Perfluorooctanoic acid	0.031
Pesticides (ug/L)	ND
PCBs (ug/L)	ND
Total Metals (ug/L)	
Aluminum	698
Arsenic	2.70
Barium	40.4
Calcium	44800
Chromium (Total)	6.0
Cobalt	3.8
Copper	4.6
Iron	4380
Magnesium	8510
Manganese	339
Nickel	7.0
Potassium	3460
Sodium	71600
Vanadium	3.0
Zinc	16.6
Dissolved Metals (ug/L)	
Barium	35.8
Calcium	48500
Cobalt	3.7
Copper	4.8
Iron	1280
Magnesium	8280
Manganese	344
Nickel	5.8
Potassium	3310
Sodium	72500
Zinc	12.8
Cyanide (ug/L)	ND

Location ID	MPB-GW-3
Sample Date	11/27/2018
VOCs - BTEX (ug/L)	
m,p-xylenes	0.99
Other VOCs (ug/L)	
1,2,4-Trimethylbenzene	0.89
SVOCs - PAHs (ug/L)	NA
Other SVOC (ug/L)	NA
1,4-Dioxane (ug/L)	ND
Per- and Polyfluoroalkyl Substances (ug/L)	
Perfluorobutanesulfonic acid	0.01
Perfluorobutanoic acid	0.019
Perfluoroheptanoic acid	0.011
Perfluorohexanesulfonic acid	0.0083
Perfluorohexanoic acid	0.025
Perfluorooctanesulfonic acid	0.046
Perfluorooctanoic acid	0.032
Perfluoropentanoic acid	0.032
Pesticides (ug/L)	
Dieldrin	0.088
PCBs (ug/L)	ND
Total Metals (ug/L)	
Aluminum	966
Arsenic	2.35
Barium	32.4
Calcium	31900
Chromium (Total)	15.8
Cobalt	8.2
Copper	5.6
Iron	10200
Magnesium	5740
Manganese	459
Nickel	12.0
Potassium	5080
Sodium	114000
Vanadium	4.0
Zinc	8.4
Dissolved Metals (ug/L)	
Barium	28.0
Calcium	33900
Cobalt	7.7
Iron	7060
Magnesium	5800
Manganese	476
Nickel	11.1
Potassium	4460
Silver	1.4
Sodium	112000
Zinc	19.0
Cyanide (ug/L)	ND

Location ID	MPB-GW-1
Sample Date	11/26/2018
VOCs - BTEX (ug/L)	
Toluene	0.69
Other VOCs (ug/L)	
Chloroform	0.31
p-Isopropyl toluene (p-Cymene)	0.59
Tetrachloroethylene	13.5
SVOCs - PAHs (ug/L)	NA
Other SVOC (ug/L)	NA
1,4-Dioxane (ug/L)	ND
Per- and Polyfluoroalkyl Substances (ug/L)	
Perfluorobutanesulfonic acid	0.01
Perfluoroheptanoic acid	0.011
Perfluorohexanesulfonic acid	0.0058
Perfluorohexanoic acid	0.018
Perfluorooctanesulfonic acid	0.052
Perfluorooctanoic acid	0.044
Perfluoropentanoic acid	0.019
Pesticides (ug/L)	
Dieldrin	0.074
PCBs (ug/L)	ND
Total Metals (ug/L)	
Aluminum	220
Barium	39.4
Calcium	30600
Chromium (Total)	3.6
Cobalt	14.9
Copper	4.2
Iron	11300
Magnesium	5610
Manganese	763
Nickel	18.0
Potassium	6140
Sodium	77600
Zinc	21.2
Dissolved Metals (ug/L)	
Antimony	1.8
Barium	41.0
Calcium	33400
Cobalt	14.0
Iron	10800
Magnesium	5790
Manganese	822
Nickel	18.4
Potassium	6280
Sodium	86400
Zinc	22.0
Cyanide (ug/L)	ND

Location ID	MPB-GW-2	MPB-GW-2 (DUP)
Sample Date	11/27/2018	11/26/2018
VOCs - BTEX (ug/L)		
m,p-xylenes	0.64	0.63
Toluene	ND	1.55
Other VOCs (ug/L)		
1,2,4-Trimethylbenzene	ND	1.15
1,3,5-Trimethylbenzene	ND	0.54
Naphthalene	ND	1.61
p-Isopropyl toluene (p-Cymene)	ND	1.51
Tetrachloroethylene	ND	11.0
SVOCs - PAHs (ug/L)	NA	NA
Other SVOC (ug/L)	NA	NA
1,4-Dioxane (ug/L)	ND	ND
Per- and Polyfluoroalkyl Substances (ug/L)		
Perfluorobutanesulfonic acid	0.011	0.011
Perfluorobutanoic acid	0.015	ND
Perfluoroheptanoic acid	0.0096	0.01
Perfluorohexanesulfonic acid	0.0058	0.0057
Perfluorohexanoic acid	0.018	0.018
Perfluorooctanesulfonic acid	0.038	0.053
Perfluorooctanoic acid	0.039	0.04
Perfluoropentanoic acid	0.021	0.019
Pesticides (ug/L)		
Chlordane	0.30	ND
Dieldrin	0.084	ND
PCBs (ug/L)	ND	ND
Total Metals (ug/L)		
Aluminum	270	4600
Arsenic	1.65	6.80
Barium	25.7	81.2
Cadmium	ND	1.3
Calcium	45900	47800
Chromium (Total)	3.0	76.4
Cobalt	ND	14.2
Copper	ND	68.4
Iron	899	24600
Lead	ND	116
Magnesium	5330	6640
Manganese	12.6	756
Mercury	ND	0.35
Nickel	1.6	33.4
Potassium	5660	7020
Sodium	86800	85600
Vanadium	1.1	13.7
Zinc	5.1	193
Dissolved Metals (ug/L)		
Barium	23.8	40.9
Calcium	43700	37600
Cobalt	ND	9.6
Iron	30.2	9760
Magnesium	5430	5690
Manganese	18.8	560
Nickel	1.6	19.0
Potassium	5340	5860
Sodium	89400	87400
Zinc	6.8	29.3
Cyanide (ug/L)	ND	ND



Figure 5
Ground Water Grab Sample Results
MPB Community Square
1316, 1320-1328, and 1338-1342 Central Avenue /
1325 – 1327, and 1337 Augustina Avenue
Far Rockaway, New York

Notes:
 ug/L - micrograms per kilogram
 ND = Not Detected above Laboratory's Minimum Detection Limit.
 NA = Not Analyzed
 Yellow Highlighted values exceed NYSDEC Groundwater Guidance or Standard Value.

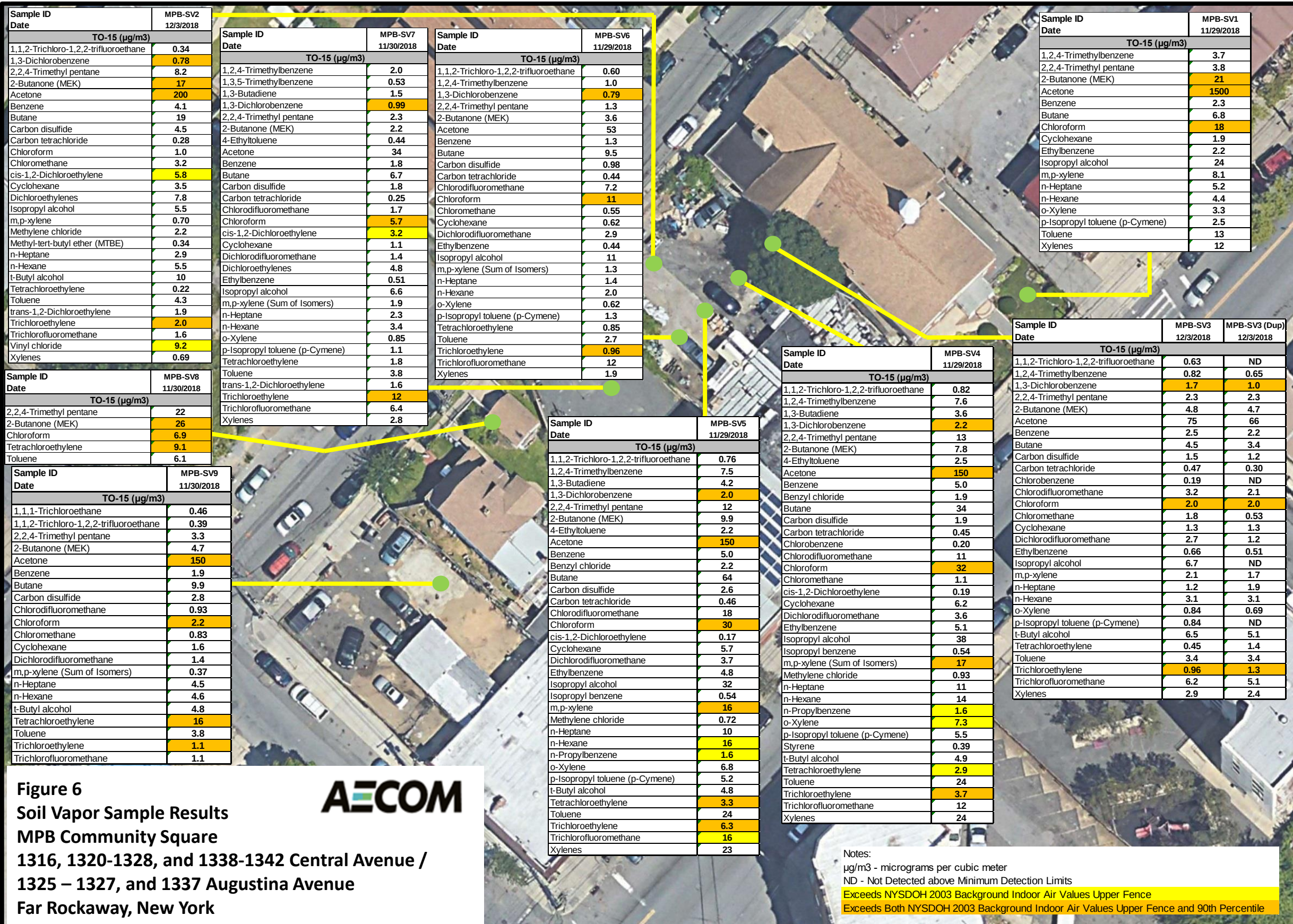


TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-1A 0 - 2 ft 11/20/2018	MPB-SB-1B 2 - 4 ft 11/20/2018	MPB-SB-1C 4 - 6 ft 11/20/2018	MPB-SB-2A 0 - 2 ft 11/26/2018	MPB-SB-2B 2 - 4 ft 11/26/2018	MPB-SB-2B RE 2 - 4 ft 11/26/2018	MPB-SB-2B (DUP) 2 - 4 ft 11/26/2018	MPB-SB-2B (DUP) RE 2 - 4 ft 11/26/2018	MPB-SB-2C 4 - 6 ft 11/26/2018	MPB-SB-3A 0 - 2 ft 11/26/2018	MPB-SB-3B 2 - 4 ft 11/26/2018	MPB-SB-3C 4 - 6 ft 11/26/2018
Volatile Organic Compounds (VOCs) - BTEX (mg/Kg)															
Benzene	0.06	2.9	44	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	0.00014 J	<0.0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
Toluene	0.7	100	500	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	0.777 D	NA	0.0724	0.557 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
Ethylbenzene	1	30	390	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	0.1 D	NA	0.00683	0.076 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
m,p-xylene	NL	NL	NL	< 0.003	< 0.00405	< 0.00354	0.00933	0.533 D	NA	0.0298	0.411 D	< 0.00329	< 0.0882 D	< 0.00242	< 0.00306
o-Xylene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	0.395 D	NA	0.0236	0.297 D	< 0.00164	< 0.0441	< 0.00121	< 0.00153
Total Xylene	0.26	100	500	ND	ND	ND	0.00933	0.928	NA	0.0534	0.708 D	ND	ND	ND	ND
Other Volatile Organic Compounds (VOCs) (mg/Kg)															
1,1,1,2-Tetrachloroethane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1,1-Trichloroethane	0.68	100	500	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1,2,2-Tetrachloroethane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1,2-Trichloroethane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1-Dichloroethane	0.27	19	240	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1-Dichloroethylene	0.33	100	500	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,1-Dichloropropene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2,3-Trichlorobenzene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2,3-Trichloropropane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2,4-Trichlorobenzene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2,4-Trimethylbenzene	3.6	47	190	< 0.0015	< 0.00202	< 0.00177	0.0167 J, D	0.742 D	NA	0.0213	0.594 D	< 0.00164	0.0172 J, D	< 0.00121	< 0.00153
1,2-Dibromo-3-Chloropropane	NL	NL	NL	< 0.003	< 0.00405	< 0.00354	< 0.0643 D	< 0.0882 D	NA	< 0.00108	<0.103 D	< 0.00164	< 0.0882 D	< 0.00242	< 0.00306
1,2-Dibromoethane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2-Dichlorobenzene	1.1	100	500	< 0.0015	< 0.00202	< 0.00177	0.00900 J,D	0.0238 J, D	NA	0.00127	0.0169 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2-Dichloroethane	0.02	2.3	30	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,2-Dichloropropane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,3,5-Trichlorobenzene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,3,5-Trimethylbenzene	8.4	47	190	< 0.0015	< 0.00202	< 0.00177	0.0132 J, D	0.373 D	NA	0.0102	0.285 D	0.00031 J	0.0119 J, D	< 0.00121	< 0.00153
1,3-Dichlorobenzene	2.4	17	280	< 0.0015	< 0.00202	< 0.00177	0.0109 J, D	0.0432 J, D	NA	0.00099	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,3-Dichloropropane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,4-Dichlorobenzene	1.8	9.8	130	< 0.0015	< 0.00202	< 0.00177	0.0183 J, D	0.107 D	NA	0.00698	0.102 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
1,4-Dioxane	0.1	9.8	130	< 0.03	< 0.405	< 0.0354	< 0.643 D	< 0.882 D	NA	< 0.0108	<1.030 D	< 0.0329	< 0.0882 D	< 0.00121	< 0.0306
2,2-Dichloropropane	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
2-Butanone (MEK)	0.12	100	500	< 0.003	< 0.00405	< 0.00354	< 0.0643 D	0.626 D	NA	0.325 E	0.456 D	< 0.00164	< 0.0882 D	< 0.00242	0.00957
2-Chlorotoluene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
2-Hexanone	NL	NL	NL	< 0.003	< 0.00405	< 0.00354	< 0.0643 D	< 0.882 D	NA	0.0899	<0.103 D	< 0.00329	< 0.0882 D	< 0.00242	< 0.00306
4-Chlorotoluene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	< 0.0322 D	< 0.0441 D	NA	< 0.00054	<0.0513 D	< 0.00164	< 0.0441 D	< 0.00121	< 0.00153
4-Isopropyl toluene	NL	NL	NL	< 0.0015	< 0.00202	< 0.00177	0.0212 J, D	0.542 D	NA	0.0211	0.644 D	< 0.00164	0.0198 J, D	< 0.00121	< 0.00153
4-Methyl-2-pentanone (MIBK)	NL	NL	NL	< 0.003	< 0.00405	< 0.00354	< 0.0643 D	< 0.882 D	NA	0.0193	<0.103 D	< 0.00164	< 0.0882 D	< 0.00242	< 0.00306
Acetone	0.05	100	500	< 0.015	< 0.0202	< 0.0177	< 0.322 D	0.672 D	NA	0.468 E	0.371 J, D	< 0.0164	< 0.0441 D	< 0.0121	&

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-1A 0 - 2 ft 11/20/2018	MPB-SB-1B 2 - 4 ft 11/20/2018	MPB-SB-1C 4 - 6 ft 11/20/2018	MPB-SB-2A 0 - 2 ft 11/26/2018	MPB-SB-2B 2 - 4 ft 11/26/2018	MPB-SB-2B RE 2 - 4 ft 11/26/2018	MPB-SB-2B (DUP) 2 - 4 ft 11/26/2018	MPB-SB-2B (DUP) RE 2 - 4 ft 11/26/2018	MPB-SB-2C 4 - 6 ft 11/26/2018	MPB-SB-3A 0 - 2 ft 11/26/2018	MPB-SB-3B 2 - 4 ft 11/26/2018	MPB-SB-3C 4 - 6 ft 11/26/2018
SVOCs - Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)															
2-Methylnaphthalene	NL	0.41	NL	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Acenaphthene	20	100	500	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Acenaphthylene	100	100	500	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Anthracene	100	100	500	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Benzo(a)anthracene	1	1	5.6	< 0.0707	< 0.676	< 0.0693	0.585 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Benzo(a)pyrene	1	1	1	< 0.0707	< 0.676	< 0.0693	0.455 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Benzo(b)fluoranthene	1	1	5.6	< 0.0707	< 0.676	< 0.0693	0.481 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Benzo(g,h,i)perylene	100	100	500	< 0.0707	< 0.676	< 0.0693	0.317 J, D	0.375 J, D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Benzo(k)fluoranthene	0.8	1	56	< 0.0707	< 0.676	< 0.0693	0.399 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Chrysene	1	1	56	< 0.0707	< 0.676	< 0.0693	0.619 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Dibenzo(a,h)anthracene	0.33	0.33	0.56	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Fluoranthene	100	100	500	< 0.0707	< 0.676	< 0.0693	0.909 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Fluorene	30	100	500	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Indeno(1,2,3-c,d)pyrene	0.5	0.5	5.6	< 0.0707	< 0.676	< 0.0693	0.354 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Naphthalene	12	100	500	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Phenanthrene	100	100	500	< 0.0707	< 0.676	< 0.0693	0.462 J, D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Pyrene	100	100	500	< 0.0707	< 0.676	< 0.0693	0.917 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
Other Semivolatile Organic Compounds (SVOC) (mg/Kg)															
1,2,4,5-Tetrachlorobenzene	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
1,2,4-Trichlorobenzene	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
1,2-Dichlorobenzene	1.1	100	500	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
1,2-Diphenylhydrazine (Azobenzene)	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
1,3-Dichlorobenzene	2.4	17	280	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
1,4-Dichlorobenzene	1.8	9.8	130	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
1-Methylnaphthalene	NL	NL	NL	< 0.0707	< 0.676	< 0.0693	< 0.746 D	< 0.708 D	< 3.54 D	< 1.41 D	NA	< 0.0681	< 0.0678	< 0.0676	< 0.0676
2,4,5-Trichlorophenol	NL	100	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
2,4,6-Trichlorophenol	NL	NL	NL	< 0.177	< 0.169	< 0.173	< 1.87 D	< 1.77 D	< 8.86 D	< 3.52 D	NA	< 0.171	< 0.170	< 0.169	< 0.169
2,4-Dichlorophenol	NL	100	NL	< 0.177	< 0.169	< 0.173	< 1.87 D	< 1.77 D	< 8.86 D	< 3.52 D	NA	< 0.171	< 0.170	< 0.169	< 0.169
2,4-Dimethylphenol	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
2,4-Dinitrophenol	NL	100	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
2,4-Dinitrotoluene	NL	NL	NL	< 0.177	< 0.169	< 0.173	< 1.87 D	< 1.77 D	< 8.86 D	< 3.52 D	NA	< 0.171	< 0.170	< 0.169	< 0.169
2,6-Dinitrotoluene	NL	1.03	NL	< 0.177	< 0.169	< 0.173	< 1.87 D	< 1.77 D	< 8.86 D	< 3.52 D	NA	< 0.171	< 0.170	< 0.169	< 0.169
2-Chloronaphthalene	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
2-Chlorophenol	NL	100	NL	< 0.177	< 0.169	< 0.173	< 1.87 D	< 1.77 D	< 8.86 D	< 3.52 D	NA	< 0.171	< 0.170	< 0.169	< 0.169
2-Methylphenol	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.169
2-Nitroaniline	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
2-Nitrophenol	NL	NL	NL	< 0.177	< 0.169	< 0.173	< 1.87 D	< 1.77 D	< 8.86 D	< 3.52 D	NA	< 0.171	< 0.170	< 0.169	< 0.169
3,3'-Dichlorobenzidine	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
3-Nitroaniline	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
4,6-Dinitro-2-Methylphenol	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
4-Bromophenyl phenylether	NL	NL	NL	< 0.350	< 0.335	< 0.343	< 3.69 D	< 3.51 D	< 17.5 D	< 6.96 D	NA	< 0.337	< 0.335	< 0.334	< 0.335
4-Chloro-3-methylphenol	NL	NL	NL	< 0.350	< 0.335	< 0.34									

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-1A 0 - 2 ft 11/20/2018	MPB-SB-1B 2 - 4 ft 11/20/2018	MPB-SB-1C 4 - 6 ft 11/20/2018	MPB-SB-2A 0 - 2 ft 11/26/2018	MPB-SB-2B 2 - 4 ft 11/26/2018	MPB-SB-2B RE 2 - 4 ft 11/26/2018	MPB-SB-2B (DUP) 2 - 4 ft 11/26/2018	MPB-SB-2B (DUP) RE 2 - 4 ft 11/26/2018	MPB-SB-2C 4 - 6 ft 11/26/2018	MPB-SB-3A 0 - 2 ft 11/26/2018	MPB-SB-3B 2 - 4 ft 11/26/2018	MPB-SB-3C 4 - 6 ft 11/26/2018
Pesticides (mg/Kg)															
4-4'-DDD	0.0033	2.6	92	< 0.0022	< 0.0021	< 0.0021	< 0.0021	< 0.021	NA	0.022	NA	< 0.0020	< 0.0020	< 0.0020	< 0.0021
4-4'-DDE	0.0033	1.8	62	< 0.0022	< 0.0021	< 0.0021	< 0.0021	< 0.021	NA	< 0.021	NA	< 0.0020	< 0.0020	< 0.0020	< 0.0021
4-4'-DDT	0.0033	1.7	47	< 0.0022	< 0.0021	< 0.0021	< 0.0021	< 0.021	NA	< 0.021	NA	< 0.0020	< 0.0020	< 0.0020	0.0028
Aldrin	0.005	0.019	0.68	< 0.0036	< 0.0035	< 0.0035	< 0.0034	< 0.034	NA	< 0.035	NA	< 0.0033	< 0.0033	< 0.0033	< 0.0035
alpha-Hexachlorocyclohexane (BHC)	0.02	0.097	3.4	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
beta-Hexachlorocyclohexane	0.036	0.072	3	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Chlordane	NL	NL	NL	< 0.036	< 0.035	< 0.035	< 0.034	< 0.34	NA	< 0.35	NA	< 0.033	< 0.033	< 0.033	< 0.035
cis-Chlordane	0.094	0.91	24	< 0.0036	< 0.0035	< 0.0035	< 0.0034	< 0.034	NA	< 0.035	NA	< 0.0033	< 0.0033	< 0.0033	< 0.0035
delta-Hexachlorocyclohexane (BHC)	0.04	100	500	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Dieldrin	0.005	0.039	1.4	< 0.0036	< 0.0035	< 0.0035	< 0.0034	< 0.034	NA	< 0.035	NA	< 0.0033	< 0.0033	< 0.0033	< 0.0035
Endosulfan I	2.4	4.8	200	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Endosulfan II	2.4	4.8	200	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Endosulfan sulfate	2.4	4.8	200	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Endrin	0.014	2.2	89	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Endrin aldehyde	NL	NL	NL	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Endrin ketone	NL	NL	NL	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Heptachlor	0.042	0.42	15	< 0.0073	< 0.0069	< 0.0069	< 0.01	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Heptachlor epoxide	NL	0.077	NL	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.068	NA	< 0.071	NA	< 0.0066	< 0.0067	< 0.0066	< 0.0069
Lindane (gamma BHC)	0.1	0.28	9.2	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.014	NA	< 0.014	NA	< 0.0013	< 0.0013	< 0.0013	< 0.0014
Methoxychlor	NL	100	NL	< 0.036	< 0.035	< 0.035	< 0.034	< 0.34	NA	< 0.35	NA	< 0.033	< 0.033	< 0.033	< 0.035
Toxaphene	NL	NL	NL	< 0.15	< 0.14	< 0.14	< 0.14	< 1.4	NA	< 1.4	NA	< 0.13	< 0.13	< 0.13	< 0.14
trans-Chlordane	NL	NL	NL	< 0.0036	< 0.0035	< 0.0035	< 0.0034	< 0.034	NA	< 0.035	NA	< 0.0033	< 0.0033	< 0.0033	< 0.0035
PCBs (mg/Kg)															
Aroclor 1016	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1221	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1232	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1242	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1248	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1254	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1260	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1262	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Aroclor 1268	NL	NL	NL	< 0.0204	< 0.0204	< 0.0203	< 0.0219	< 0.0206	NA	< 0.0209	NA	< 0.0201	< 0.0197	< 0.0199	< 0.0203
Total PCBs	0.1	1	1	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND
Metals (mg/Kg)															
Aluminum	NL	NL	NL	8280	1040	676	6600	1300	NA	1490	NA	398	2140	1330	2270
Antimony	NL	NL	NL	< 5.01	< 4.72	< 5.03	< 5.49	< 5.28	NA	< 4.97	NA	< 4.97	< 4.95	< 4.79	< 5.13
Arsenic	13	16	16	2.92	3.46	0.990 J	4.10	1.80	NA	1.94	NA	1.15 J	1.03 J	1.23 J	1.91
Barium	350	350	400	17.7	2.96	1.89	75.8	6.38	NA	7.14	NA	1.08	6.15	5.71	11.0
Beryllium	7.2	14	590	0.238 J	0.0929 J	0.0377 J	0.186 J	0.0755 J	NA	0.0980 J	NA	0.0298 J	0.0628 J	0.0819 J	0.0933 J
Cadmium	2.5	2.5	9.3	0.635	0.409 J	0.108 J	1.10	0.144 J	NA	0.120 J	NA	< 0.497	< 0.495	< 0.497	0.0400 J
Calcium	NL	NL	NL	371	31.4	22.9 J	17400	2060	NA	1190	NA	20.9 J	105	43.0	593
Chromium (Total)	30	36	1500	10.5	7.39	2.21 J	7.72	3.26	NA	4.52	NA	2.50	3.47	4.48	33.4
Cobalt	NL	30	NL	3.04	0.538 J	0.668	1.52	0.396 J	NA	0.477 J	NA	0.378 J	0.771 J	0.708 J	1.21
Copper	50	270	270	8.21	2.16	1.12	73.9	16.1	NA	21.5	NA	0.975 J	1.99	1.57	6.91
Iron	NL	2000	NL	9070	5560	1440	8570 R06	2420 R06	NA	3790 R06	NA	1660 R06	2310 R06	3810 R06	6350 R06
Lead	63	400	1000	7.39	1.19 J	0.744 J	121	9.97	NA	17.6	NA	1.00 J	1.93	1.10 J	6.29
Magnesium	NL	NL	NL	817	83.4	53.3	10100	568	NA	320	NA	33.1	185	127	463
Manganese	1600	2000	10000	113	30.4	51.0	70.9	8.68	NA	10.5	NA	15.9	15.4	21.9	53.2
Mercury	0.18	0.81	2.8	0.0324	< 0.0268	< 0.0295	0.134	0.0606	NA	0.0720	NA	< 0.0296	< 0.0298	< 0.0293	0.0089 J
Nickel	30	140	310	7.61	1.22	0.915 J	15.3	2.11	NA	2.14	NA	0.637 J	2.63	2.18	4.77
Potassium	NL	NL	NL	294	90.6	74.9	272	151	NA	163	NA	40.4 J	128	124	184
Selenium	3.9	36	1500	< 1.50	< 1.42	< 1.51	< 1.65	< 1.58	NA	< 1.49	NA	< 1.49	< 1.48	< 1.44	< 1.54
Silver	2	36	1500	< 1.50	< 1.42	< 1.51	< 1.65	< 1.58	NA	< 1.49	NA	< 1.49	< 1.48	< 1.44	< 1.54
Sodium	NL	NL	NL	34.4 J	10.9 J	11.7 J	81.9 J	407	NA	439	NA	87.9	28.1 J	13.3 J	31.3 J
Thallium	NL	NL	NL	< 3.01	< 2.83	< 3.02	< 3.30	< 3.17	NA	< 2.98	NA	< 2.98	< 2.97	< 2.87	< 3.08
Vanadium	NL	100	NL	14.5	4.25	2.13	17.0	3.99	NA	5.12	NA	1.74	3.12	2.61	6.59
Zinc	109	2200	10000	15.7	3.07	4.24	68.3	24.2	NA	27.3	NA	2.21 J	4.23	4.26	8.85
Cyanide (mg/Kg)															
Cyanide	NL	NL	NL	< 0.49	< 0.52	< 0.53	< 0.47	< 0.52	NA	< 0.53	NA	< 0.51	< 0.46	< 0.46	< 0.53

Notes:
mg/Kg = milligrams per kilogram
NA = Not Analyzed
NL = Not Listed
ND = Not Detected
< = The material was analyzed for but not detected at, or above, the reporting limit.
J = Detected above the Method Detection Limit but below the Reporting Limit;
therefore, result is an estimated concentration
R06 = MRL raised to correlate to batch QC reporting limits.
D = Data reported from a dilution
E = This flag indicates the concentration for this analyte is an estimated value due to
exceeding the calibration range or interference resulting in a biased final
concentration.

Blue highlighted cells exceed NYSDEC Part 375-6 Unrestricted Use Soil Cleanup Objectives
Green highlighted cells exceed NYSDEC Part 375-6 Residential Use Soil Cleanup Objectives
Orange highlighted cells exceed NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-4A 0 - 2 ft 11/27/2018	MPB-SB-4A RE 0 - 2 ft 11/27/2018	MPB-SB-4B 2 - 4 ft 11/27/2018	MPB-SB-4C 4 - 6 ft 11/27/2018	MPB-SB-4C RE 4 - 6 ft 11/27/2018	MPB-SB-5A 0 - 2 ft 11/27/2018	MPB-SB-5B 2 - 4 ft 11/27/2018	MPB-SB-5C 4 - 6 ft 11/27/2018	MPB-SB-6A 0 - 2 ft 11/27/2018	MPB-SB-6B 2 - 4 ft 11/27/2018	MPB-SB-6C 4 - 6 ft 11/27/2018	MPB-SB-7A 0 - 2 ft 11/19/2018
Volatile Organic Compounds (VOCs) - BTEX (mg/Kg)															
Benzene	0.06	2.9	44	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
Toluene	0.7	100	500	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
Ethylbenzene	1	30	390	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
m,p-xylene	NL	NL	NL	< 0.00347	<0.0945 D	< 0.108	< 0.00239	< 0.0581	< 0.00364	< 0.00213	< 0.00282	< 0.0699	< 0.00316	< 0.00279	< 0.0736 D
o-Xylene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
Total Xylene	0.26	100	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Volatile Organic Compounds (VOCs) (mg/Kg)															
1,1,1,2-Tetrachloroethane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1,1-Trichloroethane	0.68	100	500	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1,2,2-Tetrachloroethane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	< 0.00174	<0.0945 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1,2-Trichloroethane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1-Dichloroethane	0.27	19	240	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1-Dichloroethylene	0.33	100	500	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,1-Dichloropropene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2,3-Trichlorobenzene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2,3-Trichloropropane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00282	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2,4-Trichlorobenzene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2,4-Trimethylbenzene	3.6	47	190	< 0.00174	0.0161 J, D	0.0168 J, D	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	0.0129 J, D	< 0.00158	< 0.0014	< 0.0368 D
1,2-Dibromo-3-Chloropropane	NL	NL	NL	< 0.00347	<0.0945 D	< 0.108	< 0.00239	< 0.0581	< 0.00364	< 0.00213	< 0.00141	< 0.0699	< 0.00316	< 0.00279	< 0.0736 D
1,2-Dibromoethane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2-Dichlorobenzene	1.1	100	500	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2-Dichloroethane	0.02	2.3	30	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,2-Dichloropropane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,3,5-Trichlorobenzene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,3,5-Trimethylbenzene	8.4	47	190	< 0.00174	0.0118 J, D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	0.00909 J, D	< 0.00158	< 0.0014	< 0.0368 D
1,3-Dichlorobenzene	2.4	17	280	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,3-Dichloropropane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,4-Dichlorobenzene	1.8	9.8	130	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
1,4-Dioxane	0.1	9.8	130	< 0.0347	<0.945 D	< 1.08	< 0.0239	< 0.581	< 0.0364	< 0.0213	< 0.0282	< 0.699	< 0.0316	< 0.279	< 0.736 D
2,2-Dichloropropane	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
2-Butanone (MEK)	0.12	100	500	< 0.00347	<0.0945 D	< 0.108	< 0.00239	< 0.0581	< 0.00364	0.00237	< 0.00282	< 0.0699	< 0.00316	< 0.00279	< 0.0736 D
2-Chlorotoluene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
2-Hexanone	NL	NL	NL	< 0.00347	<0.0945 D	< 0.108	< 0.00239	< 0.0581	< 0.00364	< 0.00213	< 0.00282	< 0.0699	< 0.00316	< 0.00279	< 0.0736 D
4-Chlorotoluene	NL	NL	NL	< 0.00174	<0.0473 D	< 0.0541	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	< 0.035	< 0.00158	< 0.0014	< 0.0368 D
4-Isopropyl toluene	NL	NL	NL	< 0.00174	0.0165 J, D	0.0178 J, D	< 0.00119	< 0.029	< 0.00182	< 0.00107	< 0.00141	0.0129 J, D	< 0.00158	< 0.0014	< 0.0368 D
4-Methyl-2-pentanone (MIBK)	NL	NL	NL	< 0.00347	<0.0945 D	< 0.108	< 0.00239	< 0.0581	< 0.00364						

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-4A 0 - 2 ft 11/27/2018	MPB-SB-4A RE 0 - 2 ft 11/27/2018	MPB-SB-4B 2 - 4 ft 11/27/2018	MPB-SB-4C 4 - 6 ft 11/27/2018	MPB-SB-4C RE 4 - 6 ft 11/27/2018	MPB-SB-5A 0 - 2 ft 11/27/2018	MPB-SB-5B 2 - 4 ft 11/27/2018	MPB-SB-5C 4 - 6 ft 11/27/2018	MPB-SB-6A 0 - 2 ft 11/27/2018	MPB-SB-6B 2 - 4 ft 11/27/2018	MPB-SB-6C 4 - 6 ft 11/27/2018	MPB-SB-7A 0 - 2 ft 11/19/2018
SVOCs - Polynuclear Aromatic Hydrocarbons (PAHs) (mg/kg)															
2-Methylnaphthalene	NL	0.41	NL	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.365 J, D	< 0.0689	< 0.0695	< 0.0751
Acenaphthene	20	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.529 D	< 0.0689	< 0.0695	< 0.0751
Acenaphthylene	100	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.289 J, D	< 0.0689	< 0.0695	< 0.0751
Anthracene	100	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	1.76 D	< 0.0689	< 0.0695	< 0.0751
Benzo(a)anthracene	1	1	5.6	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	4.64 D	< 0.0689	< 0.0695	< 0.0751
Benzo(a)pyrene	1	1	1	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	3.49 D	< 0.0689	< 0.0695	< 0.0751
Benzo(b)fluoranthene	1	1	5.6	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	3.44 D	< 0.0689	< 0.0695	< 0.0751
Benzo(g,h,i)perylene	100	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	2.07 D	< 0.0689	< 0.0695	< 0.0751
Benzo(k)fluoranthene	0.8	1	56	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	2.8 D	< 0.0689	< 0.0695	< 0.0751
Chrysene	1	1	56	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	4.35 D	< 0.0689	< 0.0695	< 0.0751
Dibenzo(a,h)anthracene	0.33	0.33	0.56	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.58 D	< 0.0689	< 0.0695	< 0.0751
Fluoranthene	100	100	500	0.0473 J	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	9.45 D	< 0.0689	< 0.0695	< 0.0751
Fluorene	30	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.776 D	< 0.0689	< 0.0695	< 0.0751
Indeno(1,2,3-c,d)pyrene	0.5	0.5	5.6	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	2.48 D	< 0.0689	< 0.0695	< 0.0751
Naphthalene	12	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.52 D	< 0.0689	< 0.0695	< 0.0751
Phenanthrene	100	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	7.02 D	< 0.0689	< 0.0695	< 0.0751
Pyrene	100	100	500	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	6.94 D	< 0.0689	< 0.0695	< 0.0751
Other Semivolatile Organic Compounds (SVOC) (mg/Kg)															
1,2,4,5-Tetrachlorobenzene	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
1,2,4-Trichlorobenzene	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
1,2-Dichlorobenzene	1.1	100	500	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
1,2-Diphenylhydrazine (Azobenzene)	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
1,3-Dichlorobenzene	2.4	17	280	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
1,4-Dichlorobenzene	1.8	9.8	130	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
1-Methylnaphthalene	NL	NL	NL	< 0.077	NA	< 0.0689	< 0.0672	NA	< 0.0736	< 0.0684	< 0.0696	0.252 J, D	< 0.0689	< 0.0695	< 0.0751
2,4,5-Trichlorophenol	NL	100	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
2,4,6-Trichlorophenol	NL	NL	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.344	< 0.934 D	< 0.341	< 0.174	< 0.188
2,4-Dichlorophenol	NL	100	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.174	< 0.934 D	< 0.172	< 0.174	< 0.188
2,4-Dimethylphenol	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
2,4-Dinitrophenol	NL	100	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
2,4-Dinitrotoluene	NL	NL	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.174	< 0.934 D	< 0.172	< 0.174	< 0.188
2,6-Dinitrotoluene	NL	1.03	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.174	< 0.934 D	< 0.172	< 0.174	< 0.188
2-Chloronaphthalene	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
2-Chlorophenol	NL	100	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.174	< 0.934 D	< 0.172	< 0.174	< 0.188
2-Methylphenol	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
2-Nitroaniline	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
2-Nitrophenol	NL	NL	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.174	< 0.934 D	< 0.172	< 0.174	< 0.188
3,3'-Dichlorobenzidine	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.184	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
3-Nitroaniline	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
4,6-Dinitro-2-Methylphenol	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
4-Bromophenyl phenylether	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
4-Chloro-3-methylphenol	NL	NL	NL	< 0.381	NA	< 0.341	< 0.333	NA	< 0.364	< 0.339	< 0.344	< 1.85 D	< 0.341	< 0.344	< 0.372
4-Chloroaniline	NL	100	NL	< 0.193	NA	< 0.173	< 0.168	NA	< 0.184	< 0.171	< 0.174	< 0.934 D	< 0.172	< 0.174	< 0.188
4-Chlorophenyl phenylether	NL	NL	NL	&											

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MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-4A 0 - 2 ft 11/27/2018	MPB-SB-4A RE 0 - 2 ft 11/27/2018	MPB-SB-4B 2 - 4 ft 11/27/2018	MPB-SB-4C 4 - 6 ft 11/27/2018	MPB-SB-4C RE 4 - 6 ft 11/27/2018	MPB-SB-5A 0 - 2 ft 11/27/2018	MPB-SB-5B 2 - 4 ft 11/27/2018	MPB-SB-5C 4 - 6 ft 11/27/2018	MPB-SB-6A 0 - 2 ft 11/27/2018	MPB-SB-6B 2 - 4 ft 11/27/2018	MPB-SB-6C 4 - 6 ft 11/27/2018	MPB-SB-7A 0 - 2 ft 11/19/2018
Pesticides (mg/Kg)															
4-4'-DDD	0.0033	2.6	92	< 0.0022	NA	< 0.0020	< 0.0020	NA	< 0.0022	< 0.0020	< 0.0021	< 0.0021	< 0.0020	< 0.0021	< 0.0022
4-4'-DDE	0.0033	1.8	62	< 0.0022	NA	< 0.0020	< 0.0020	NA	< 0.0022	< 0.0020	< 0.0021	< 0.0021	< 0.0020	< 0.0021	< 0.0022
4-4'-DDT	0.0033	1.7	47	< 0.0022	NA	< 0.0020	< 0.0020	NA	< 0.0022	< 0.0020	< 0.0021	0.0071	< 0.0020	< 0.0021	< 0.0022
Aldrin	0.005	0.019	0.68	< 0.0037	NA	< 0.0034	< 0.0034	NA	< 0.0037	< 0.0034	< 0.0035	< 0.0035	< 0.0033	< 0.0035	< 0.0037
alpha-Hexachlorocyclohexane (BHC)	0.02	0.097	3.4	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
beta-Hexachlorocyclohexane	0.036	0.072	3	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Chlordane	NL	NL	NL	< 0.037	NA	< 0.034	< 0.034	NA	< 0.037	< 0.034	< 0.035	< 0.035	< 0.033	< 0.035	< 0.037
cis-Chlordane	0.094	0.91	24	< 0.0037	NA	< 0.0034	< 0.0034	NA	< 0.0037	< 0.0034	< 0.0035	< 0.0035	< 0.0033	< 0.0035	< 0.0037
delta-Hexachlorocyclohexane (BHC)	0.04	100	500	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Dieldrin	0.005	0.039	1.4	< 0.0037	NA	< 0.0034	< 0.0034	NA	< 0.0037	< 0.0034	< 0.0035	< 0.0035	< 0.0033	< 0.0035	< 0.0037
Endosulfan I	2.4	4.8	200	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Endosulfan II	2.4	4.8	200	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Endosulfan sulfate	2.4	4.8	200	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Endrin	0.014	2.2	89	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Endrin aldehyde	NL	NL	NL	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Endrin ketone	NL	NL	NL	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Heptachlor	0.042	0.42	15	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Heptachlor epoxide	NL	0.077	NL	< 0.0074	NA	< 0.0068	< 0.0068	NA	< 0.0075	< 0.0068	< 0.0069	< 0.0070	< 0.0067	< 0.0070	< 0.0073
Lindane (gamma BHC)	0.1	0.28	9.2	< 0.0015	NA	< 0.0014	< 0.0014	NA	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0013	< 0.0014	< 0.0015
Methoxychlor	NL	100	NL	< 0.037	NA	< 0.034	< 0.034	NA	< 0.037	< 0.034	< 0.035	< 0.035	< 0.033	< 0.035	< 0.037
Toxaphene	NL	NL	NL	< 0.15	NA	< 0.14	< 0.14	NA	< 0.15	< 0.14	< 0.14	< 0.14	< 0.13	< 0.14	< 0.15
trans-Chlordane	NL	NL	NL	< 0.0037	NA	< 0.0034	< 0.0034	NA	< 0.0037	< 0.0034	< 0.0035	< 0.0035	< 0.0033	< 0.0035	< 0.0037
PCBs (mg/Kg)															
Aroclor 1016	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1221	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1232	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1242	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1248	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1254	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1260	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1262	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Aroclor 1268	NL	NL	NL	< 0.0223	NA	< 0.0203	< 0.0197	NA	< 0.022	< 0.02	< 0.0203	< 0.0219	< 0.0198	< 0.0203	< 0.022
Total PCBs	0.1	1	1	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Metals (mg/Kg)															
Aluminum	NL	NL	NL	10600	NA	767	1020	NA	12400	1280	604	9130	1090	1050	14600
Antimony	NL	NL	NL	< 5.74	NA	< 4.76	< 5.00	NA	< 5.31	< 4.78	< 4.94	< 5.48	< 5.03	< 4.82	< 5.38
Arsenic	13	16	16	3.88	NA	2.08	10.1	NA	4.35	0.880 J	0.830 J	4.04	3.17	1.05 J	3.00
Barium	350	350	400	41.5	NA	2.41	2.10	NA	25.7	4.52	2.15	133	4.38	3.39	25.0
Beryllium	7.2	14	590	0.277 J	NA	0.0666 J	0.166 J	NA	0.330 J	0.0540 J	0.0361 J	0.417 J	0.0659 J	0.0679 J	0.413 J
Cadmium	2.5	2.5	9.3	0.0929 J	NA	< 0.476	0.0370 J	NA	< 0.531	< 0.478	< 0.494	0.791	< 0.503	< 0.482	1.09
Calcium	NL	NL	NL	1150	NA	19.7 J	26.6	NA	662	47.6	29.8	4590	66.1	69.2	724
Chromium (Total)	30	36	1500	12.1	NA	2.08	13.8	NA	14.2	2.51	2.06	11.6	8.24	3.39	17.6
Cobalt	NL	30	NL	2.17	NA	0.285 J	1.68	NA	1.89	0.913 J	0.366 J	2.41	0.755 J	0.472 J	2.68
Copper	50	270	270	23.8	NA	1.90	2.19	NA	11.8	1.59	1.02	35.8	1.90	1.43	6.00
Iron	NL	2000	NL	11700 R06	NA	4610 R06	11100 R06	NA	15900 R06	1980 R06	1580 R06	13300 R06	4390 R06	2620 R06	15800
Lead	63	400	1000	30.7	NA	0.628 J	1.42 J	NA	16.5	0.937 J	0.554 J	107	0.835 J	1.33 J	6.35
Magnesium	NL	NL	NL	858	NA	47.4	48.5	NA	957	137	52.7	1660	89.8	118	1030
Manganese	1600	2000	10000	62.0	NA	15.8	87.8	NA	56.6	34.9	17.7	361	38.7	14.1	94.1
Mercury	0.18	0.81	2.8	0.0866	NA	< 0304	< 0.0299	NA	0.0963	< 0.0304	< 0.0305	0.158	< 0.0295	< 0.0301	0.0346
Nickel	30	140	310	9.08	NA	0.908 J	1.81	NA	8.45	1.82	1.17	7.07	1.59	1.70	9.07
Potassium	NL	NL	NL	383	NA	48.2	50.3	NA	648	93.6	50.7	412	83.8	124	363
Selenium	3.9	36	1500	< 1.72	NA	0.366 J	< 1.50	NA	< 1.59	< 1.43	< 1.48	< 1.64	0.312 J	< 1.44	< 1.61
Silver	2	36	1500	< 1.72	NA	< 1.43	< 1.50	NA	< 1.59	< 1.43	< 1.48	< 1.64	< 1.51	< 1.44	< 1.61
Sodium	NL	NL	NL	147	NA	< 71.3	11.3 J	NA	144	26.2 J	23.3 J	152	17.2 J	12.1 J	108
Thallium	NL	NL	NL	< 3.44	NA	< 2.85	< 3.00	NA	< 3.18	< 2.87	< 2.97	< 3.29	< 3.02	< 2.89	< 3.23
Vanadium	NL	100	NL	18.6	NA	2.35	8.93	NA	23.2	2.50	2.00	17.1	2.58	3.26	26.6
Zinc	109	2200	10000	51.0	NA	3.47	6.98	NA	20.7	5.36	2.53 J	194	4.61	3.51	42.9
Cyanide (mg/Kg)															
Cyanide	NL	NL	NL	< 0.56	NA	< 0.52	< 0.46	NA	< 0.52	< 0.51	< 0.53	< 0.49	< 0.47	< 0.53	< 0.56

Notes:
mg/Kg = milligrams per kilogram
NA = Not Analyzed
NL = Not Listed
ND = Not Detected
< = The material was analyzed for but not detected at, or above, the reporting limit.
J = Detected above the Method Detection Limit but below the Reporting Limit;
therefore, result is an estimated concentration
R06 = MRL raised to correlate to batch QC reporting limits.
D = Data reported from a dilution
E = This flag indicates the concentration for this analyte is an estimated value due to
exceeding the calibration range or interference resulting in a biased final
concentration.

Blue highlighted cells exceed NYSDEC Part 375-6 Unrestricted Use Soil Cleanup Objectives
Green highlighted cells exceed NYSDEC Part 375-6 Residential Use Soil Cleanup Objectives
Orange highlighted cells exceed NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-7B 2 - 4 ft 11/19/2018	MPB-SB-7C 4 - 6 ft 11/19/2018	MPB-SB-8A 0 - 2 ft 11/20/2018	MPB-SB-8B 2 - 4 ft 11/20/2018	MPB-SB-8B DUP 2 - 4 ft 11/20/2018	MPB-SB-8C 4 - 6 ft 11/20/2018	MPB-SB-9A 0 - 2 ft 11/19/2018	MPB-SB-9B 2 - 4 ft 11/19/2018	MPB-SB-9C 4 - 6 ft 11/19/2018
Volatile Organic Compounds (VOCs) - BTEX (mg/Kg)												
Benzene	0.06	2.9	44	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Toluene	0.7	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Ethylbenzene	1	30	390	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
m,p-xylene	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
o-Xylene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Total Xylene	0.26	100	500	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Volatile Organic Compounds (VOCs) (mg/Kg)												
1,1,1,2-Tetrachloroethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1,1-Trichloroethane	0.68	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1,2,2-Tetrachloroethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1,2-Trichloroethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1-Dichloroethane	0.27	19	240	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1-Dichloroethylene	0.33	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,1-Dichloropropene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2,3-Trichlorobenzene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2,3-Trichloropropane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2,4-Trichlorobenzene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2,4-Trimethylbenzene	3.6	47	190	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2-Dibromo-3-Chloropropane	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
1,2-Dibromoethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2-Dichlorobenzene	1.1	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2-Dichloroethane	0.02	2.3	30	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,2-Dichloropropane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,3,5-Trichlorobenzene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,3,5-Trimethylbenzene	8.4	47	190	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,3-Dichlorobenzene	2.4	17	280	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,3-Dichloropropane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,4-Dichlorobenzene	1.8	9.8	130	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
1,4-Dioxane	0.1	9.8	130	< 0.335 D	< 0.452 D	< 0.0184	< 1.07 D	0.622 D	< 0.0284 D	< 0.534 D	< 0.493 D	< 0.29 D
2,2-Dichloropropane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
2-Butanone (MEK)	0.12	100	500	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
2-Chlorotoluene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
2-Hexanone	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
4-Chlorotoluene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
4-Isopropyl toluene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
4-Methyl-2-pentanone (MIBK)	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
Acetone	0.05	100	500	< 0.168 D	< 0.226 D	< 0.0092	< 0.535 D	0.311 D	< 0.284 D	< 0.267 D	< 0.247 D	< 0.145 D
Acrylonitrile	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Bromobenzene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Bromochloromethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Bromodichloromethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Bromoform	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Bromomethane	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
Carbon disulfide	NL	100	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
Carbon tetrachloride	0.76	1.4	22	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Chlorobenzene	1.1	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Chlorodibromomethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Chloroethane	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
Chloroform	0.37	10	350	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Chloromethane	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
cis-1,2-Dichloroethylene	0.25	59	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
cis-1,3-Dichloropropene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Dibromomethane	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Dichlorodifluoromethane	NL	NL	NL	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
Diethyl ether	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Di-isopropyl ether (DIPE)	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Ethanol	NL	NL	NL	< 3.35 D	< 4.52 D	< 0.184	< 10.7 D	6.22 D	< 5.68 D	< 5.34 D	< 4.93 D	< 2.9 D
Ethyl-tert-butyl ether (ETBE)	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Hexachlorobutadiene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Isopropyl benzene	NL	100	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Methylene chloride	0.05	51	500	< 0.0335 D	< 0.0452 D	< 0.00184	< 0.107 D	0.0622 D	< 0.0568 D	< 0.0534 D	< 0.0493 D	< 0.029 D
Methyl-tert-butyl ether (MTBE)	0.93	62	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Naphthalene	12	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
n-Butylbenzene	12	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
n-Propylbenzene	3.9	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
sec-Butylbenzene	11	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Styrene	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
t-Amyl methyl ether (TAME)	NL	NL	NL	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
t-Butyl alcohol	NL	NL	NL	< 0.168 D	< 0.226 D	< 0.0092	< 0.535 D	0.311 D	< 0.284 D	< 0.267 D	< 0.247 D	< 0.145 D
Tert-Butylbenzene	5.9	100	500	< 0.0168 D	< 0.0226 D	< 0.00092	< 0.0535 D	0.0311 D	< 0.0284 D	< 0.0267 D	< 0.0247 D	< 0.0145 D
Tetrachloroethylene	1.3	5.5	150	&								

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-7B 2 - 4 ft 11/19/2018	MPB-SB-7C 4 - 6 ft 11/19/2018	MPB-SB-8A 0 - 2 ft 11/20/2018	MPB-SB-8B 2 - 4 ft 11/20/2018	MPB-SB-8B DUP 2 - 4 ft 11/20/2018	MPB-SB-8C 4 - 6 ft 11/20/2018	MPB-SB-9A 0 - 2 ft 11/19/2018	MPB-SB-9B 2 - 4 ft 11/19/2018	MPB-SB-9C 4 - 6 ft 11/19/2018
SVOCs - Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)												
2-Methylnaphthalene	NL	0.41	NL	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Acenaphthene	20	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Acenaphthylene	100	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Anthracene	100	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Benzo(a)anthracene	1	1	5.6	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Benzo(a)pyrene	1	1	1	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Benzo(b)fluoranthene	1	1	5.6	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Benzo(g,h,i)perylene	100	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Benzo(k)fluoranthene	0.8	1	56	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Chrysene	1	1	56	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Dibenzo(a,h)anthracene	0.33	0.33	0.56	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Fluoranthene	100	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Fluorene	30	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Indeno(1,2,3-c,d)pyrene	0.5	0.5	5.6	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Naphthalene	12	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Phenanthrene	100	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Pyrene	100	100	500	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
Other Semivolatile Organic Compounds (SVOC) (mg/Kg)												
1,2,4,5-Tetrachlorobenzene	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
1,2,4-Trichlorobenzene	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
1,2-Dichlorobenzene	1.1	100	500	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
1,2-Diphenylhydrazine (Azobenzene)	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
1,3-Dichlorobenzene	2.4	17	280	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
1,4-Dichlorobenzene	1.8	9.8	130	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
1-Methylnaphthalene	NL	NL	NL	< 0.0685	< 0.068	< 0.685	< 0.0683	< 0.0703	< 0.0697	< 0.0762	< 0.0685	< 0.0676
2,4,5-Trichlorophenol	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
2,4,6-Trichlorophenol	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.345	< 0.191	< 0.172	< 0.169
2,4-Dichlorophenol	NL	100	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
2,4-Dimethylphenol	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
2,4-Dinitrophenol	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
2,4-Dinitrotoluene	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
2,6-Dinitrotoluene	NL	1.03	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
2-Chloronaphthalene	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
2-Chlorophenol	NL	100	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
2-Methylphenol	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
2-Nitroaniline	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
2-Nitrophenol	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
3,3'-Dichlorobenzidine	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
3-Nitroaniline	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
4,6-Dinitro-2-Methylphenol	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
4-Bromophenyl phenylether	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
4-Chloro-3-methylphenol	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
4-Chloroaniline	NL	100	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
4-Chlorophenyl phenylether	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
4-Methylphenol	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
4-Nitroaniline	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
4-Nitrophenol	NL	NL	NL	< 1.36	< 1.35	< 1.36	< 1.35	< 1.39	< 1.38	< 1.50	< 1.36	< 1.34
Aniline	NL	48	500	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Benzdine	NL	NL	NL	< 0.678	< 0.673	< 0.678	< 0.676	< 0.696	< 0.690	< 0.754	< 0.678	< 0.669
Benzoic acid	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Benzyl alcohol	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Bis(2-chloroethoxy) methane	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Bis(2-chloroethyl)ether	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Bis(2-chloroisopropyl) ether	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Bis(2-ethylhexyl)phthalate	NL	50	NL	< 0.171	< 0.170	0.0705 J	0.0605 J	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Butyl benzyl phthalate	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Carbazole	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Dibenzofuran	7	14	350	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Diethyl phthalate	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Dimethyl phthalate	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Di-n-butyl phthalate	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Di-n-octyl phthalate	NL	100	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Hexachlorobenzene	0.33	0.41	6	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Hexachlorobutadiene	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Hexachlorocyclopentadiene	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Hexachloroethane	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Isophorone	NL	100	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
Nitrobenzene	NL	3.7	69	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
N-Nitrosodimethylamine	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
n-Nitroso-di-n-propylamine	NL	NL	NL	< 0.171	< 0.170	< 0.172	< 0.171	< 0.176	< 0.175	< 0.191	< 0.172	< 0.169
N-Nitrosodiphenylamine	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Pentachloronitrobenzene	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Pentachlorophenol	0.8	2.4	6.7	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Phenol	0.33	100	500	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335
Pyridine	NL	NL	NL	< 0.339	< 0.336	< 0.339	< 0.338	< 0.348	< 0.345	< 0.377	< 0.339	< 0.335

TABLE 1
SOIL ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Depth Sample Date	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Residential	NYSDEC Part 375-6 Commercial	MPB-SB-7B 2 - 4 ft 11/19/2018	MPB-SB-7C 4 - 6 ft 11/19/2018	MPB-SB-8A 0 - 2 ft 11/20/2018	MPB-SB-8B 2 - 4 ft 11/20/2018	MPB-SB-8B DUP 2 - 4 ft 11/20/2018	MPB-SB-8C 4 - 6 ft 11/20/2018	MPB-SB-9A 0 - 2 ft 11/19/2018	MPB-SB-9B 2 - 4 ft 11/19/2018	MPB-SB-9C 4 - 6 ft 11/19/2018
Pesticides (mg/Kg)												
4'-4'-DDD	0.0033	2.6	92	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0022	< 0.0020	< 0.0020
4'-4'-DDE		1.8	62	< 0.0021	< 0.0021	< 0.0030	0.0025	< 0.0021	< 0.0021	< 0.0022	< 0.0020	< 0.0020
4'-4'-DDT	0.0033	1.7	47	< 0.0021	< 0.0021	< 0.0021	0.0050	< 0.0021	< 0.0021	< 0.0022	< 0.0020	< 0.0020
Aldrin	0.005	0.019	0.68	< 0.0034	< 0.0035	< 0.0035	< 0.0035	< 0.0034	< 0.0035	< 0.0037	< 0.0034	< 0.0033
alpha-Hexachlorocyclohexane (BHC)	0.02	0.097	3.4	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
beta-Hexachlorocyclohexane	0.036	0.072	3	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Chlordane	NL	NL	NL	< 0.034	< 0.035	< 0.035	< 0.035	< 0.034	< 0.035	< 0.037	< 0.034	< 0.033
cis-Chlordane	0.094	0.91	24	< 0.0034	< 0.0035	< 0.0035	< 0.0035	< 0.0034	< 0.0035	< 0.0037	< 0.0034	< 0.0033
delta-Hexachlorocyclohexane (BHC)	0.04	100	500	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Dieldrin	0.005	0.039	1.4	< 0.0034	< 0.0035	< 0.0035	0.032	< 0.0034	< 0.0035	< 0.0037	< 0.0034	< 0.0033
Endosulfan I	2.4	4.8	200	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Endosulfan II	2.4	4.8	200	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Endosulfan sulfate	2.4	4.8	200	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Endrin	0.014	2.2	89	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Endrin aldehyde	NL	NL	NL	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Endrin ketone	NL	NL	NL	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Heptachlor	0.042	0.42	15	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Heptachlor epoxide	NL	0.077	NL	< 0.0069	< 0.0069	< 0.0070	< 0.0070	< 0.0069	< 0.0070	< 0.0073	< 0.0068	< 0.0067
Lindane (gamma BHC)	0.1	0.28	9.2	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0015	< 0.0014	< 0.0013
Methoxychlor	NL	100	NL	< 0.034	< 0.035	< 0.035	< 0.035	< 0.034	< 0.035	< 0.037	< 0.034	< 0.033
Toxaphene	NL	NL	NL	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.13
trans-Chlordane	NL	NL	NL	< 0.0034	< 0.0035	< 0.0035	< 0.0035	< 0.0034	< 0.0035	< 0.0037	< 0.0034	< 0.0033
PCBs (mg/Kg)												
Aroclor 1016	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1221	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1232	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1242	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1248	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1254	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1260	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1262	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Aroclor 1268	NL	NL	NL	< 0.0203	< 0.0198	< 0.02	< 0.0198	< 0.0203	< 0.0208	< 0.0223	< 0.0201	< 0.0198
Total PCBs	0.1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/Kg)												
Aluminum	NL	NL	NL	1050	446	2710	1210	1530	674	10600	588	432
Antimony	NL	NL	NL	< 4.99	< 4.95	< 4.72	< 5.09	< 4.99	< 5.14	< 5.67	< 5.04	< 5.03
Arsenic	13	16	16	1.28 J	0.396 J	1.79	1.32 J	0.912 J	0.801 J	3.55	0.484 J	3.78
Barium	350	350	400	2.62	1.31	7.26	4.73	5.88	2.10	48.6	1.94	1.12
Beryllium	7.2	14	590	0.0573 J	0.0357 J	0.118 J	0.0652 J	0.0813 J	0.0575 J	0.325 J	0.0383 J	0.0483 J
Cadmium	2.5	2.5	9.3	0.163 J	0.0975 J	0.340 J	0.272 J	0.224 J	0.153 J	0.856	0.0792 J	0.202 J
Calcium	NL	NL	NL	67.4	24.8	266	370	105	28.4	778	15.7 J	16.6 J
Chromium (Total)	30	36	1500	2.70	1.76	6.02	13.6	4.95	2.80	12.8	1.50	12.4
Cobalt	NL	30	NL	0.533 J	0.203 J	0.689 J	0.840 J	0.573 J	0.298 J	2.31	0.338 J	0.252 J
Copper	50	270	270	1.25	0.763 J	2.32	4.03	2.15	1.31	15.4	1.00 J	1.79
Iron	NL	2000	NL	2270	1260	4730	3710	2920	1950	10200	1090	2740
Lead	63	400	1000	0.863 J	0.599 J	2.22	1.50 J	1.30 J	0.966 J	46.1	0.403 J	1.36 J
Magnesium	NL	NL	NL	128	51.6	218	111	159	60.0	892	46.6	21.8
Manganese	1600	2000	10000	26.2	6.35	12.8	29.5	24.6	26.1	83.9	13.1	15.7
Mercury	0.18	0.81	2.8	< 0.0280	< 0.0277	< 0.0279	< 0.0273	< 0.0312	< 0.0295	0.154	< 0.0274	< 0.0305
Nickel	30	140	310	1.50	0.772 J	2.76	2.88	2.30	0.935 J	7.50	1.17	0.805 J
Potassium	NL	NL	NL	122	73.3	137	92.1	215	103	414	63.7	32.2 J
Selenium	3.9	36	1500	< 1.50	< 1.49	< 1.42	< 1.53	< 1.50	< 1.54	0.482 J	< 1.51	< 1.51
Silver	2	36	1500	< 1.50	< 1.49	< 1.42	< 1.53	< 1.50	< 1.54	< 1.70	< 1.51	< 1.51
Sodium	NL	NL	NL	19.6 J	15.7 J	16.3 J	13.8 J	21.6 J	11.3 J	71.4 J	12.3 J	13.3 J
Thallium	NL	NL	NL	< 2.99	< 2.97	< 2.83	< 3.06	< 2.99	< 3.08	< 3.40	< 3.03	< 3.02
Vanadium	NL	100	NL	3.36	1.84	6.72	3.03	4.20	2.85	18.3	1.41 J	4.27
Zinc	109	2200	10000	6.32	5.12	6.78	6.24	12.5	4.06	66.3	1.88 J	3.47
Cyanide (mg/Kg)												
Cyanide	NL	NL	NL	< 0.53	< 0.52	< 0.54	< 0.47	< 0.47	< 0.53	< 0.51	< 0.52	< 0.51

Notes:
mg/Kg = milligrams per kilogram
NA = Not Analyzed
NL = Not Listed
ND = Not Detected
< = The material was analyzed for but not detected at, or above, the reporting limit.
J = Detected above the Method Detection Limit but below the Reporting Limit;
therefore, result is an estimated concentration
R06 = MRL raised to correlate to batch QC reporting limits.
D = Data reported from a dilution
E = This flag indicates the concentration for this analyte is an estimated value due to
exceeding the calibration range or interference resulting in a biased final
concentration.

Blue highlighted cells exceed NYSDEC Part 375-6 Unrestricted Use Soil Cleanup Objectives

Green highlighted cells exceed NYSDEC Part 375-6 Residential Use Soil Cleanup Objectives

Orange highlighted cells exceed NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives

TABLE 2
GROUND WATER ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID	NYSDEC	MPB-GW-1	MPB-GW-1 (DUP)	MPB-GW-2	MPB-GW-3	MPB-GW-4	MPB-GW-4	MPB-GW-5	MPB-GW-5	MPB-MW-1	MPB-MW-1
Sample Date	AWQSGV	11/26/2018	11/26/2018	11/27/2018	11/27/2018	11/20/2018	11/26/2018	11/20/2018	11/26/2018	11/20/2018	11/20/2018
Volatile Organic Compounds (VOCs) - BTEX (ug/L)											
Benzene	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Toluene	5	0.69 J	1.55	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Ethylbenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
m,p-xylenes (Sum of Isomers)	NL	< 2.00	0.63 J	0.64 J	0.99 J	< 2.00	NA	< 2.00	NA	< 2.00	NA
o-Xylene	NL	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Total Xylenes	5	ND	0.63	0.64	0.99	ND	NA	ND	NA	ND	NA
Other Volatile Organic Compounds (VOCs) (ug/L)											
1,1,1,2-Tetrachloroethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,1,1-Trichloroethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,1,2-Trichloroethane	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,1-Dichloroethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,1-Dichloroethylene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,1-Dichloropropene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2,3-Trichlorobenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2,3-Trichloropropane	0.04	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2,4-Trichlorobenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2,4-Trimethylbenzene	5	< 1.00	1.15	< 1.00	0.89 J	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2-Dibromo-3-Chloropropane	0.04	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
1,2-Dibromoethane	0.0006	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
1,2-Dichlorobenzene	3	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2-Dichloroethane	0.6	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,2-Dichloropropane	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,3,5-Trichlorobenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,3,5-Trimethylbenzene	5	< 1.00	0.54 J	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,3-Dichlorobenzene	3	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,3-Dichloropropane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,4-Dichlorobenzene	3	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
1,4-Dioxane	NL	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	NA	< 20.0	NA	< 20.0	NA
2,2-Dichloropropane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
2-Butanone (MEK)	50	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
2-Chlorotoluene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
2-Hexanone	50	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
4-Chlorotoluene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
4-Methyl-2-pentanone (MIBK)	NL	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
Acetone	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	NA	< 10.0	NA	< 10.0	NA
Acrylonitrile	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
Bromobenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Bromochloromethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
Bromoform	50	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Bromomethane	5	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
Carbon disulfide	NL	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
Carbon tetrachloride	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Chlorobenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Chlorodibromomethane	50	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Chloroethane	5	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
Chloroform	7	0.31 J	< 1.00	< 1.00	0.31 J	0.58 J	NA	< 1.00	NA	3.41	NA
Chloromethane	5	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
cis-1,2-Dichloroethylene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
cis-1,3-Dichloropropene	0.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
Dibromomethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Dibromochloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
Dichlorodifluoromethane	5	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
Diethyl ether	NL	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Di-isopropyl ether (DIPE)	NL	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Ethanol	NL	< 200	< 200	< 200	< 200	< 200	NA	< 200	NA	< 200	NA
Ethyl-tert-butyl ether (ETBE)	NL	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Hexachlorobutadiene	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
Isopropyl benzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Methylene chloride	5	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
Methyl-tert-butyl ether (MTBE)	NL	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Naphthalene	10	< 2.00	1.61 J	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
n-Butylbenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
n-Propylbenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
p-Isopropyl toluene (p-Cymene)	5	0.59 J	1.51	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
sec-Butylbenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Styrene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
t-Amyl methyl ether (TAME)	NL	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
t-Butyl alcohol	NL	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	NA	< 10.0	NA	< 10.0	NA
Tert-Butylbenzene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Tetrachloroethylene	5	13.5	11.0	< 1.00	< 1.00	1.75 J	NA	< 1.00	NA	4.87	NA
Tetrahydrofuran	NL	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	< 2.00	NA	< 2.00	NA
trans-1,2-Dichloroethylene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
trans-1,3-Dichloropropene	0.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	< 0.50	NA
trans-1,4-Dichloro-2-Butene	5	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	NA	< 5.00	NA	< 5.00	NA
Trichloroethylene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Trichlorofluoromethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA
Vinyl chloride	2	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	< 1.00	NA	< 1.00	NA

TABLE 2
GROUND WATER ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Date	NYSDEC AWQSGV	MPB-GW-1 11/26/2018	MPB-GW-1 (DUP) 11/26/2018	MPB-GW-2 11/27/2018	MPB-GW-3 11/27/2018	MPB-GW-4 11/20/2018	MPB-GW-4 11/26/2018	MPB-GW-5 11/20/2018	MPB-GW-5 11/26/2018	MPB-MW-1 11/20/2018	MPB-MW-1 11/20/2018
SVOCs - Polynuclear Aromatic Hydrocarbons (PAHs) (ug/L)											
2-Methylnaphthalene	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Acenaphthene	20	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Acenaphthylene	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Anthracene	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Benzo(a)anthracene	0.002	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Benzo(a)pyrene	0	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Benzo(b)fluoranthene	0.002	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Benzo(g,h,i)perylene	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Benzo(k)fluoranthene	0.002	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Chrysene	0.002	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Dibenzo(a,h)anthracene	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Fluoranthene	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Fluorene	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Indeno(1,2,3-c,d)pyrene	0.002	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Naphthalene	10	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Phenanthrene	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Pyrene	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Other Semivolatile Organic Compounds (SVOC) (ug/L)											
1,2,4,5-Tetrachlorobenzene	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
1,2-Diphenylhydrazine	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2,4,5-Trichlorophenol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2,4,6-Trichlorophenol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2,4-Dichlorophenol	1	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2,4-Dimethylphenol	1	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2,4-Dinitrophenol	1	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
2,4-Dinitrotoluene	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2,6-Dinitrotoluene	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2-Chlorophenol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
2-Nitroaniline	5	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
2-Nitrophenol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	< 12	NA	NA	NA	< 12	NA
3-Nitroaniline	5	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
4,6-Dinitro-2-Methylphenol	NL	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
4-Bromophenyl phenylether	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
4-Chloro-3-methylphenol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
4-Chloroaniline	5	NA	NA	NA	NA	< 12	NA	NA	NA	< 12	NA
4-Chlorophenyl phenylether	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
4-Methylphenol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
4-Nitroaniline	5	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
4-Nitrophenol	NL	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
Acetophenone	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Aniline	5	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
Benzidine	0.02	NA	NA	NA	NA	< 12	NA	NA	NA	< 12	NA
Benzoic acid	NL	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
Bis(2-chloroethoxy) methane	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Bis(2-chloroethyl)ether	1	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Bis(2-chloroisopropyl) ether	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Bis(2-ethylhexyl)phthalate	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Butyl benzyl phthalate	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Carbazole	NL	NA	NA	NA	NA	< 29	NA	NA	NA	< 29	NA
Dibenzofuran	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Diethyl phthalate	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Dimethyl phthalate	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Di-n-butyl phthalate	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Di-n-octyl phthalate	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Hexachlorobenzene	0.04	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Hexachlorobutadiene	0.5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Hexachlorocyclopentadiene	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Hexachloroethane	5	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Isophorone	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Nitrobenzene	0.4	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
N-Nitrosodimethylamine	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
n-Nitroso-di-n-propylamine	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
N-Nitrosodiphenylamine	50	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
O-Cresol	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Pentachloronitrobenzene	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Pentachlorophenol	1	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Phenol	1	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA
Pyridine	NL	NA	NA	NA	NA	< 5.8	NA	NA	NA	< 5.8	NA

TABLE 2
GROUND WATER ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Date	NYSDEC AWQSGV	MPB-GW-1 11/26/2018	MPB-GW-1 (DUP) 11/26/2018	MPB-GW-2 11/27/2018	MPB-GW-3 11/27/2018	MPB-GW-4 11/20/2018	MPB-GW-4 11/26/2018	MPB-GW-5 11/20/2018	MPB-GW-5 11/26/2018	MPB-MW-1 11/20/2018	MPB-MW-1 11/20/2018
Per- and Polyfluoroalkyl Substances (ug/L)											
6:2 fluorotelomersulfonate	NL	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	< 0.0050	NA	< 0.0050	NA	< 0.0050
8:2 fluorotelomersulfonate	NL	< 0.015	< 0.015	< 0.015	< 0.015	NA	< 0.015	NA	< 0.015	NA	< 0.015
NETFOSAA	NL	0.0033 J	0.0036 J	< 0.0074	< 0.0075	NA	< 0.0075	NA	< 0.0075	NA	< 0.0075
NMEFOSAA	NL	< 0.0075	< 0.0075	< 0.0074	< 0.0075	NA	< 0.0075	NA	< 0.0075	NA	< 0.0075
Perfluorobutanesulfonate acid	NL	0.01	0.011	0.011	0.01	NA	0.0051	NA	0.0040	NA	0.0059
Perfluorobutanoic acid	NL	0.012 J	0.014 J	0.015	0.019	NA	0.016	NA	0.0079 J	NA	0.0086 J
Perfluorodecanesulfonate acid	NL	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	< 0.0050	NA	< 0.0050	NA	< 0.0050
Perfluorodecanoic acid	NL	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	< 0.0050	NA	< 0.0050	NA	< 0.0050
Perfluorododecanoic acid	NL	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	< 0.0050	NA	< 0.0050	NA	< 0.0050
Perfluoroheptanesulfonic acid	NL	0.0011 J	0.0011 J	< 0.0050	< 0.0050	NA	0.001 J	NA	< 0.0050	NA	< 0.0050
Perfluoroheptanoic acid	NL	0.011	0.01	0.0096	0.011	NA	0.013	NA	0.0064	NA	0.0056
Perfluorohexanesulfonic acid	NL	0.0058	0.0057	0.0058	0.0083	NA	0.0052	NA	0.0033 J	NA	0.0030 J
Perfluorohexanoic acid	NL	0.018	0.018	0.018	0.025	NA	0.029	NA	0.0093	NA	0.0061
Perfluorononanoic acid	NL	0.0028 J	0.0031 J	0.0021 J	0.0029 J	NA	0.0027 J	NA	0.0014 J	NA	0.0020 J
Perfluorooctane sulfonamide	NL	0.0016 J	0.0016 J	< 0.0074	< 0.0075	NA	< 0.0075	NA	0.0022 J	NA	< 0.0075
Perfluorooctanesulfonic acid	NL	0.052	0.053	0.038	0.046	NA	0.1	NA	0.053	NA	0.025
Perfluorooctanoic acid	NL	0.044	0.04	0.039	0.032	NA	0.037	NA	0.031	NA	0.031
Perfluoropentanoic acid	NL	0.019	0.019	0.021	0.032	NA	0.037	NA	0.0097 J	NA	0.0057 J
Perfluorotetradecanoic acid	NL	< 0.0025	< 0.0025	< 0.0025	< 0.0025	NA	< 0.0025	NA	< 0.0025	NA	< 0.0025
Perfluorotridecanoic acid	NL	< 0.0025	< 0.0025	< 0.0025	< 0.0025	NA	< 0.0025	NA	< 0.0025	NA	< 0.0025
Perfluoroundecanoic acid	NL	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	< 0.0050	NA	< 0.0050	NA	< 0.0050
Pesticides (ug/L)											
4'-4'-DDD	0.3	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
4'-4'-DDE	0.2	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
4'-4'-DDT	0.2	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Alachlor	0.5	< 0.083	< 0.090	< 0.082	< 0.086	< 4.8	NA	< 0.074	NA	< 0.080	NA
Aldrin	NL	< 0.002	< 0.002	< 0.002	< 0.002	< 0.097	NA	< 0.002	NA	< 0.005	NA
alpha-Hexachlorocyclohexane (BHC)	NL	< 0.028	< 0.030	< 0.027	< 0.029	< 1.6	NA	< 0.025	NA	< 0.027	NA
beta-Hexachlorocyclohexane	0.05	< 0.006	< 0.006	< 0.006	< 0.006	< 0.32	NA	< 0.005	NA	< 0.005	NA
Chlordane	0.05	< 0.33	< 0.36	0.30	< 0.34	< 19	NA	< 0.29	NA	0.092	NA
delta-Hexachlorocyclohexane (BHC)	NL	< 0.028	< 0.030	< 0.027	< 0.029	< 1.6	NA	< 0.025	NA	< 0.027	NA
Dieldrin	0.004	0.074	< 0.002	0.084	0.088	1.2	NA	< 0.003	NA	< 0.002	NA
Endosulfan I	NL	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Endosulfan II	NL	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Endosulfan sulfate	NL	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Endrin	NL	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Endrin aldehyde	NL	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Endrin ketone	NL	< 0.055	< 0.060	< 0.055	< 0.057	< 3.2	NA	< 0.049	NA	< 0.054	NA
Heptachlor	0.4	< 0.028	< 0.030	< 0.027	< 0.029	< 1.6	NA	< 0.025	NA	< 0.027	NA
Heptachlor epoxide	0.03	< 0.028	< 0.030	< 0.027	< 0.029	< 1.6	NA	< 0.025	NA	< 0.027	NA
Lindane (gamma BHC)	NL	< 0.028	< 0.030	< 0.027	< 0.029	< 1.6	NA	< 0.025	NA	< 0.027	NA
Methoxychlor	35	< 0.11	< 0.12	< 0.11	< 0.11	< 6.5	NA	< 0.098	NA	< 0.11	NA
Toxaphene	0.06	< 1.1	< 1.2	< 1.1	< 1.1	< 65	NA	< 0.98	NA	< 1.1	NA
PCBs (ug/L)											
Aroclor 1016	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1221	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1232	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1242	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1248	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1254	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1260	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1262	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Aroclor 1268	NL	< 0.213	< 0.222	< 0.220	< 0.220	< 0.192	NA	< 0.202	NA	< 0.208	NA
Total PCBs	0.09	ND	ND	ND	ND	ND	NA	ND	NA	ND	NA

TABLE 2
GROUND WATER ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Location ID Sample Date	NYSDEC AWQSGV	MPB-GW-1 11/26/2018	MPB-GW-1 (DUP) 11/26/2018	MPB-GW-2 11/27/2018	MPB-GW-3 11/27/2018	MPB-GW-4 11/20/2018	MPB-GW-4 11/26/2018	MPB-GW-5 11/20/2018	MPB-GW-5 11/26/2018	MPB-MW-1 11/20/2018	MPB-MW-1 11/20/2018
Total Metals (ug/L)											
Aluminum	100	220	4600	270	966	25.2	NA	698	NA	998	NA
Antimony	3	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	NA	< 6.0	NA	< 6.0	NA
Arsenic	50	< 4.0	6.80	1.65 J	2.35 J	1.40 J	NA	2.70 J	NA	< 4.0	NA
Barium	100	39.4	81.2	25.7	32.4	41.7	NA	40.4	NA	54.2	NA
Beryllium	11	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	NA
Cadmium	5	< 2.5	1.3 J	< 2.5	< 2.5	< 2.5	NA	< 2.5	NA	< 2.5	NA
Calcium	NL	30600	47800	45900	31900	26700	NA	44800	NA	33600	NA
Chromium (Total)	50	3.6 J	76.4	3.0 J	15.8	0.9 J	NA	6.0	NA	2.2 J	NA
Cobalt	5	14.9	14.2	< 5.0	8.2	2.2 J	NA	3.8 J	NA	< 5.0	NA
Copper	200	4.2 J	68.4	< 5.0	5.6	2.8 R06, J	NA	4.6 R06, J	NA	7.0 R06, J	NA
Iron	300	11300	24600	899	10200	3200	NA	4380	NA	956	NA
Lead	50	< 7.5	116	< 7.5	< 7.5	< 7.5	NA	< 7.5	NA	< 7.5	NA
Magnesium	35000	5610	6640	5330	5740	3910	NA	8510	NA	5340	NA
Manganese	300	763	756	12.6	459	95.4	NA	339	NA	84.7	NA
Mercury	0.7	< 0.3 R06	0.35	< 0.3 R06	< 0.3 R06	< 0.3 R06	NA	< 0.3 R06	NA	< 0.3 R06	NA
Nickel	100	18.0	33.4	1.6 J	12.0	8.2	NA	7.0	NA	2.7 J	NA
Potassium	NL	6140	7020	5660	5080	3750	NA	3460	NA	4740	NA
Selenium	10	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	NA	< 15.0	NA	< 15.0	NA
Silver	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	NA
Sodium	20000	77600	85600	86800	114000	115000 R06	NA	71600 R06	NA	64800	NA
Thallium	8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	NA
Vanadium	14	< 5.0	13.7	1.1 J	4.0 J	< 5.0	NA	3.0 J	NA	2.0 J	NA
Zinc	NL	21.2 J	193	5.1 J	8.4 J	10.1 J	NA	16.6 J	NA	60.4	NA
Dissolved Metals (ug/L)											
Aluminum	100	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	NA	< 25.0	NA	10.4 J	NA
Antimony	3	1.8 J	< 6.0	< 6.0	< 6.0	< 6.0	NA	< 6.0	NA	< 6.0	NA
Arsenic	50	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4.0	NA	< 4.0	NA
Barium	100	41.0	40.9	23.8	28.0	45.3	NA	35.8	NA	55.6	NA
Beryllium	11	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	NA	< 2.0	NA
Cadmium	5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	NA	< 2.5	NA	< 2.5	NA
Calcium	NL	33400	37600	43700	33900	29200	NA	48500	NA	40000	NA
Chromium (Total)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	NA
Cobalt	5	14.0	9.6	< 5.0	7.7	2.6 J	NA	3.7 J	NA	< 5.0	NA
Copper	200	< 5.0	< 5.0	< 5.0	< 5.0	4.2	NA	4.8 R06, J	NA	3.0 R06, J	NA
Iron	300	10800	9760	30.2	7060	3210	NA	1280	NA	63.0 J	NA
Lead	25	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	NA	< 7.5	NA	< 7.5	NA
Magnesium	35000	5790	5690	5430	5800	3910	NA	8280	NA	5150	NA
Manganese	300	822	560	18.8	476	112	NA	344	NA	143 V11	NA
Mercury	0.7	< 0.3 R06	< 0.3 R06	< 0.3 R06	< 0.3 R06	< 0.3 R06	NA	< 0.3 R06	NA	< 0.3 R06	NA
Nickel	100	18.4	19.0	1.6	11.1	10.0	NA	5.8	NA	2.2 J	NA
Potassium	NL	6280	5860	5340	4460	4100	NA	3310	NA	4660	NA
Selenium	10	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	NA	< 15.0	NA	< 15.0	NA
Silver	50	< 5.0	< 5.0	< 5.0	1.4 J	< 0.6	NA	< 5.0	NA	< 5.0	NA
Sodium	20000	86400	87400	89400	112000	121000	NA	72500	NA	69300	NA
Thallium	8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	NA
Vanadium	14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	NA	< 5.0	NA
Zinc	NL	22.0 J	29.3	6.8	19.0 J	7.4 J	NA	12.8 J	NA	38.8	NA
Cyanide (ug/L)											
Cyanide	NL	< 10	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	NA

Notes:
ug/L - micrograms per kilogram
NA = Not Analyzed
NL = Not Listed
ND = Not Detected
< = The material was analyzed for but not detected at, or above, the reporting limit.
J = Detected above the Method Detection Limit but below the Reporting Limit;
therefore, result is an estimated concentration.
R06 = MRL raised to correlate to batch QC reporting limits.
D = Data reported from a dilution.
V11 = Data confirmed with duplicate analysis.
Bold indicates compound detected at a concentration greater than the reporting limit.
Yellow Highlighted values exceed NYSDEC Groundwater Guidance or Standard Value

TABLE 3
SUBSURFACE SOIL VAPOR ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Sample ID	NYSDOH Background Indoor Air Values		MPB-SV1 11/29/2018	MPB-SV1 (Ambient) 11/29/2018	MPB-SV2 12/3/2018	MPB-SV2 (Ambient) 12/3/2018	MPB-SV3 12/3/2018	MPB-SV3 (Duplicate) 12/3/2018	MPB-SV3 (Ambient) 12/3/2018	MPB-SV4 11/29/2018	MPB-SV4 (Ambient) 11/29/2018	MPB-SV5 11/29/2018	MPB-SV5 (Ambient) 11/29/2018	MPB-SV6 11/29/2018	MPB-SV6 (Ambient) 11/29/2018	MPB-SV7 11/30/2018
Date																
Sample ID	90th Percentile	Upper Fence	MPB-SV1 (UG/M3)-112918	MPB-SV1-AMB (UG/M3)-112918	MPB-SV2 (UG/M3)-120318	MPB-SV2-AMB (UG/M3)-120318	MPB-SV3 (UG/M3)-120318	DUP120318 (UG/M3)-120318	MPB-SV3-AMB (UG/M3)-120318	MPB-SV4-AMB (UG/M3)-112918	MPB-SV4-AMB (UG/M3)-112918	MPB-SV5 (UG/M3)-112918	MPB-SV5-AMB (UG/M3)-112918	MPB-SV6-AMB (UG/M3)-112918	MPB-SV6-AMB (UG/M3)-112918	MPB-SV7 (UG/M3)-113018
SDG			200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1	200-46486-1
TO-15 (µg/m3)																
1,1,1-Trichloroethane	3.1	2.5	< 5.5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
1,1,2,2-Tetrachloroethane	0.25	0.38	< 6.9	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	< 7.7	0.56	0.34	0.48	0.63	< 1.5	0.33	0.82	0.69	0.76	0.58	0.60	0.71	< 1.5
1,1,2-Trichloroethane	0.25	0.38	< 5.5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
1,1-Dichloroethane	0.25	0.38	< 4.0	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
1,1-Dichloroethylene	0.25	0.4	< 4.0	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79
1,2,4-Trichlorobenzene	3.4	0.47	< 19	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
1,2,4-Trimethylbenzene	9.5	9.8	3.7	0.59	< 0.98	< 0.98	0.82	0.65	< 0.98	7.6	< 0.98	7.5	< 0.98	1.0	< 0.98	2.0
1,2-Dibromomethane	0.25	0.38	< 7.7	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
1,2-Dichlorobenzene	0.72	0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
1,2-Dichloroethane	0.25	0.37	< 4.0	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
1,2-Dichloropropane	0.25	0.39	< 4.6	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
1,2-Dichlorotetrafluoroethane	0.52	0.42	< 7.0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
1,3,5-Trimethylbenzene	3.6	3.9	< 4.9	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	0.53
1,3-Butadiene	NL	NL	< 2.2	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	3.6	< 0.44	4.2	< 0.44	< 0.44	< 0.44	1.5
1,3-Dichlorobenzene	0.6	0.46	< 6.0	< 1.2	0.78	< 1.2	1.7	1.0	< 1.2	2.2	< 1.2	2.0	< 1.2	0.79	< 1.2	0.99
1,4-Dichlorobenzene	1.3	1.2	< 6.0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
1,4-Dioxane	NL	NL	< 90	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18
2,2,4-Trimethyl pentane	NL	NL	3.8	0.41	8.2	0.42	2.3	2.3	< 0.93	13	< 0.93	12	< 0.93	1.3	< 0.93	2.3
2-Butanone (MEK)	16	16	21	1.4	17	1.4	4.8	4.7	2.3	7.8	1.5	9.9	0.66	3.6	1.2	2.2
2-Chlorotoluene	NL	NL	< 5.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Hexanone	NL	NL	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Ethyltoluene	NL	NL	< 4.9	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	2.5	< 0.98	2.2	< 0.98	< 0.98	< 0.98	0.44
4-Methyl-2-pentanone (MIBK)	2.2	1.9	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	110	115	1500	12	200	8.0	75	66	11	150	7.2	150	< 12	53	7.7	34
Allyl Chloride (3-chloropropene)	NL	NL	< 7.8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Benzene	15	13	2.3	0.86	4.1	0.77	2.5	2.2	0.48	5.0	0.56	5.0	0.54	1.3	0.58	1.8
Benzyl chloride	NL	NL	< 5.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	NL	NL	< 6.7	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Bromoform	NL	NL	< 10	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Bromomethane	0.6	0.48	< 3.9	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78
Butane	NL	NL	6.8	6.0	19	4.9	4.5	3.4	3.2	34	2.2	64	2.1	9.5	2.5	6.7
Carbon disulfide	NL	NL	< 7.8	0.66	4.5	< 1.6	1.5	1.2	< 1.6	1.9	0.68	2.6	< 1.6	0.98	< 1.6	1.8
Carbon tetrachloride	0.81	1.3	< 1.3	0.47	0.28	0.32	0.47	0.30	0.23	0.45	0.56	0.46	0.48	0.44	0.35	0.25
Chlorobenzene	0.25	0.41	< 4.6	< 0.92	< 0.92	< 0.92	0.19	< 0.92	< 0.92	0.20	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Chlorodibromomethane	NL	NL	< 8.5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Chlorodifluoromethane	NL	NL	< 8.8	1.6	< 1.8	1.3	3.2	2.1	0.97	11	1.5	18	1.7	7.2	1.6	1.7
Chloroethane	0.25	0.39	< 6.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	1.4	1.2	18	< 0.98	1.0	< 0.98	2.0	2.0	< 0.98	32	< 0.98	30	< 0.98	11	< 0.98	5.7
Chloromethane	3.3	4.2	< 5.2	1.2	3.2	1.1	1.8	0.53	0.72	1.1	1.3	< 1.0	1.4	0.55	1.4	< 1.0
cis-1,2-Dichloroethylene	0.25	0.41	< 4.0	< 0.79	5.8	< 0.79	< 0.79	< 0.79	< 0.79	0.19	< 0.79	0.17	< 0.79	< 0.79	< 0.79	3.2
cis-1,3-Dichloropropene	0.25	0.38	< 4.5	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91
Cyclohexane	8.1	6.3	1.9	< 0.69	3.5	< 0.69	1.3	1.3	< 0.69	6.2	< 0.69	5.7	< 0.69	0.62	< 0.69	1.1
Dichlorodifluoromethane	15	10	< 12	2.9	< 2.5	1.4	2.7	0.99	3.6	3.1	3.7	3.1	3.7	3.1	3.1	1.4
Dichloroethylenes	NL	NL	< 7.9	< 1.6	7.8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	4.8
Ethylbenzene	7.4	6.4	2.2	0.77	< 0.87	0.34	0.66	0.51	< 0.87	5.1	< 0.87	4.8	< 0.87	0.44	< 0.87	0.51
Hexachlorobutadiene	4.6	0.49	< 11	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl alcohol	NL	NL	24	< 12	5.5	< 12	6.7	< 12	< 12	38	< 12	32	< 12	11	< 12	6.6
Isopropyl benzene	NL	NL	< 4.9	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	0.54	< 0.98	0.54	< 0.98	< 0.98	< 0.98	< 0.98
m,p-xylene (Sum of Isomers)	12	11	< 8.1	2.9	0.70	1.1	2.1	1.7	0.92	17	0.66	16	0.58	1.3	0.54	1.9
Methylene chloride	22	16	< 8.7	0.99	2.2	< 1.7	< 1.7	< 1.7	0.93	< 1.7	0.93	0.72	0.75	< 1.7	0.69	< 1.7
methyl-Methacrylate	0.45	0.43	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methyl-tert-butyl ether (MTBE)	27	14	< 3.6	< 0.72	0.34	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Naphthalene	NL	NL	< 13	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
n-Butylbenzene	1.2	1.1	< 5.5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
n-Heptane	19	18	5.2	< 0.82	2.9	0.66	1.2	1.9	< 0.82	11	< 0.82	10	< 0.82	1.4	< 0.82	2.3
n-Hexane	18	14	4.4	0.98	5.5	0.81	3.1	3.1	< 0.70	14	< 0.70	16	< 0.70	2.0	0.56	3.4
n-Propylbenzene	1.7	1.5	< 4.9	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	1.6	< 0.98	1.6	< 0.98	< 0.98	< 0.98	< 0.98
o-Xylene	7.6	7.1	3.3	0.91	< 0.87	0.36	0.84	0.69	< 0.87	7.3	< 0.87	6.8	< 0.87	0.62	< 0.87	0.85
p-Isopropyl toluene (p-Cymene)	NL	NL	2.5	< 1.1	< 1.1	< 1.1	0.84	< 1.1	< 1.1	5.5	< 1.1	5.2	< 1.1	1.3	< 1.1	1.1
sec-Butylbenzene	1.2	1.2	< 5.5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Styrene	1.3	1.4	< 4.3	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	0.39	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
t-Butyl alcohol	NL	NL	< 7.6	< 15	10	< 15	6.5	5.1	< 15	4.9	< 15	4.8	< 15	< 15	< 15	< 15
Tert-Butylbenzene	1.6	1.3	< 5.5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1

Notes:
 NL = Not Listed
 NA - Not Analyzed

Exceeds USEPA 2001 Background Indoor Air Values 90th Percentile
Exceeds NYSDOH 2003 Background Indoor Air Values Upper Fence
Exceeds Both NYSDOH 2003 Background Indoor Air Values Upper Fence and 90th Percentile

TABLE 3
SUBSURFACE SOIL VAPOR ANALYTICAL RESULTS
MPB COMMUNITY SQUARE
FAR ROCKAWAY, QUEENS, NEW YORK

Sample ID Date Sample ID SDG	NYSDOH Background Indoor Air Values		MPB-SV7 (Ambient) 11/30/2018	MPB-SV8 11/30/2018	MPB-SV8 (Ambient) 11/30/2018	MPB-SV9 11/30/2018	MPB-SV9 (Ambient) 11/30/2018
	90th Percentile	Upper Fence	MPB-SV7-AMB (UG/M3)-113018 200-46486-1	MPB-SV8 (UG/M3)-113018 200-46486-1	MPB-SV8-AMB (UG/M3)-113018 200-46486-1	MPB-SV9 (UG/M3)-113018 200-46486-1	MPB-SV9-AMB (UG/M3)-113018 200-46486-1
TO-15 (µg/m3)							
1,1,1-Trichloroethane	3.1	2.5	< 1.1	< 22	< 1.1	0.46	< 1.1
1,1,2,2-Tetrachloroethane	0.25	0.38	< 1.4	< 27	< 1.4	< 1.4	< 1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	0.47	< 31	0.36	0.39	0.42
1,1,2-Trichloroethane	0.25	0.38	< 1.1	< 22	< 1.1	< 1.1	< 1.1
1,1-Dichloroethane	0.25	0.38	< 0.81	< 16	< 0.81	< 0.81	< 0.81
1,1-Dichloroethylene	0.25	0.4	< 0.79	< 16	< 0.79	< 0.79	< 0.79
1,2,4-Trichlorobenzene	3.4	0.47	< 3.7	< 74	< 3.7	< 3.7	< 3.7
1,2,4-Trimethylbenzene	9.5	9.8	< 0.98	< 20	0.44	< 0.98	0.43
1,2-Dibromoethane	0.25	0.38	< 1.5	< 31	< 1.5	< 1.5	< 1.5
1,2-Dichlorobenzene	0.72	0.48	< 1.2	< 24	< 1.2	< 1.2	< 1.2
1,2-Dichloroethane	0.25	0.37	< 0.81	< 16	< 0.81	< 0.81	< 0.81
1,2-Dichloropropane	0.25	0.39	< 0.92	< 18	< 0.92	< 0.92	< 0.92
1,2-Dichlorotetrafluoroethane	0.52	0.42	< 1.4	< 28	< 1.4	< 1.4	< 1.4
1,3,5-Trimethylbenzene	3.6	3.9	< 0.98	< 20	< 0.98	< 0.98	< 0.98
1,3-Butadiene	NL	NL	< 0.44	< 8.8	0.17	< 0.44	< 0.44
1,3-Dichlorobenzene	0.6	0.46	< 1.2	< 24	< 1.2	< 1.2	< 1.2
1,4-Dichlorobenzene	1.3	1.2	< 1.2	< 24	< 1.2	< 1.2	< 1.2
1,4-Dioxane	NL	NL	< 18	< 360	< 18	< 18	< 18
2,2,4-Trimethyl pentane	NL	NL	< 0.93	22	0.79	3.3	0.73
2-Butanone (MEK)	16	16	0.84	26	0.64	4.7	1.3
2-Chlorotoluene	NL	NL	< 1.0	< 21	< 1.0	< 1.0	< 1.0
2-Hexanone	NL	NL	< 2.0	< 41	< 2.0	< 2.0	< 2.0
4-Ethyltoluene	NL	NL	< 0.98	< 20	< 0.98	< 0.98	< 0.98
4-Methyl-2-pentanone (MIBK)	2.2	1.9	< 2.0	< 41	< 2.0	< 2.0	< 2.0
Acetone	110	115	6.3	NA	< 12	150	8.0
Allyl Chloride (3-chloropropene)	NL	NL	< 1.6	< 31	< 1.6	< 1.6	< 1.6
Benzene	15	13	0.72	< 13	1.0	1.9	0.92
Benzyl chloride	NL	NL	< 1.0	< 21	< 1.0	< 1.0	< 1.0
Bromodichloromethane	NL	NL	< 1.3	< 27	< 1.3	< 1.3	< 1.3
Bromoform	NL	NL	< 2.1	< 41	< 2.1	< 2.1	< 2.1
Bromomethane	0.6	0.48	< 0.78	< 16	< 0.78	< 0.78	< 0.78
Butane	NL	NL	4.8	< 24	4.9	9.9	6.0
Carbon disulfide	NL	NL	< 1.6	< 31	< 1.6	2.8	< 1.6
Carbon tetrachloride	0.81	1.3	0.31	< 5.0	0.37	< 0.25	0.38
Chlorobenzene	0.25	0.41	< 0.92	< 18	< 0.92	< 0.92	< 0.92
Chlorodibromomethane	NL	NL	< 1.7	< 34	< 1.7	< 1.7	< 1.7
Chlorodifluoromethane	NL	NL	< 1.8	< 35	< 1.8	0.93	< 1.8
Chloroethane	0.25	0.39	< 1.3	< 26	< 1.3	< 1.3	< 1.3
Chloroform	1.4	1.2	< 0.98	6.9	< 0.98	2.2	< 0.98
Chloromethane	3.3	4.2	0.97	< 21	0.93	0.83	1.0
cis-1,2-Dichloroethylene	0.25	0.41	< 0.79	< 16	< 0.79	< 0.79	< 0.79
cis-1,3-Dichloropropene	0.25	0.38	< 0.91	< 18	< 0.91	< 0.91	< 0.91
Cyclohexane	8.1	6.3	< 0.69	< 14	0.27	1.6	0.22
Dichlorodifluoromethane	15	10	1.5	< 49	1.6	1.4	1.4
Dichloroethylenes	NL	NL	< 1.6	< 32	< 1.6	< 1.6	< 1.6
Ethylbenzene	7.4	6.4	< 0.87	< 17	0.38	< 0.87	0.44
Hexachlorobutadiene	4.6	0.49	< 2.1	< 43	< 2.1	< 2.1	< 2.1
Isopropyl alcohol	NL	NL	< 12	< 250	< 12	< 12	< 12
Isopropyl benzene	NL	NL	< 0.98	< 20	< 0.98	< 0.98	< 0.98
m,p-xylene (Sum of Isomers)	12	11	< 2.2	< 43	1.3	0.37	1.6
Methylene chloride	22	16	< 1.7	< 35	< 1.7	< 1.7	< 1.7
methyl-Methacrylate	0.45	0.43	< 2.0	< 41	< 2.0	< 2.0	< 2.0
Methyl-tert-butyl ether (MTBE)	27	14	< 0.72	< 14	< 0.72	< 0.72	< 0.72
Naphthalene	NL	NL	< 2.6	< 52	< 2.6	< 2.6	< 2.6
n-Butylbenzene	1.2	1.1	< 1.1	< 22	< 1.1	< 1.1	< 1.1
n-Heptane	19	18	< 0.82	< 16	< 0.82	4.5	0.59
n-Hexane	18	14	< 0.70	< 14	0.86	4.6	0.83
n-Propylbenzene	1.7	1.5	< 0.98	< 20	< 0.98	< 0.98	< 0.98
o-Xylene	7.6	7.1	< 0.87	< 17	0.43	< 0.87	0.50
p-Isopropyl toluene (p-Cymene)	NL	NL	< 1.1	< 22	< 1.1	< 1.1	< 1.1
sec-Butylbenzene	1.2	1.2	< 1.1	< 22	< 1.1	< 1.1	< 1.1
Styrene	1.3	1.4	< 0.85	< 17	< 0.85	< 0.85	< 0.85
t-Butyl alcohol	NL	NL	< 15	< 300	< 15	4.8	< 15
Tert-Butylbenzene	1.6	1.3	< 1.1	< 22	< 1.1	< 1.1	< 1.1
Tetrachloroethylene	2.9	2.5	< 1.4	9.1	0.27	16	1.2
Tetrahydrofuran	3.3	0.78	< 15	< 290	< 15	< 15	< 15
Toluene	58	57	0.76	6.1	2.2	3.8	2.7
trans-1,2-Dichloroethylene	NL	NL	< 0.79	< 16	< 0.79	< 0.79	< 0.79
Trans-1,3-Dichloropropene	0.25	0.4	< 0.91	< 18	< 0.91	< 0.91	< 0.91
Trichloroethylene	0.48	0.46	< 0.21	< 4.3	< 0.21	1.1	< 0.21
Trichlorofluoromethane	17	12	1.2	< 22	1.1	1.1	1.1
Vinyl bromide	NL	NL	< 0.87	< 17	< 0.87	< 0.87	< 0.87
Vinyl chloride	0.25	0.37	< 0.10	< 2.0	< 0.10	< 0.10	< 0.10
Xylenes	NL	NL	< 3.0	< 61	1.8	< 3.0	2.1

Notes:
NL = Not Listed
NA - Not Analyzed
Exceeds USEPA 2001 Background Indoor Air Values 90th Percentile
Exceeds NYSDOH 2003 Background Indoor Air Values Upper Fence
Exceeds Both NYSDOH 2003 Background Indoor Air Values Upper Fence and 90th Percentile