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Table 5-4
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-01 4/5/2010 4-5	SB-01 4/5/2010 40-45	SB-01 4/5/2010 71-72	SB-01 4/8/2010 5-7	SB-02 4/8/2010 1-2	SB-02 4/9/2010 40-45	SB-02 4/9/2010 71-72	SB-03 4/13/2010 4-5	SB-03 4/13/2010 30-35	SB-03 4/13/2010 59-60	SB-04 DUP 4/27/2010 32-34	SB-04 4/27/2010 4-5	SB-04 4/27/2010 32-34	SB-04 4/27/2010 58-60	SB-05 4/21/2010 4-5	SB-05 4/22/2010 39-40	SB-05 4/22/2010 70-72	SB-06 4/20/2010 4-5	SB-06 4/20/2010 26-28	SB-06 4/21/2010 49-50	SB-07 4/28/2010 4-5	SB-07 4/28/2010 10-12
BTEX (mg/Kg)																											
Benzene	71-43-2	0.06	44	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	**0.409 J**	< 0.0033 U	< 0.0041 U	< 0.0040 U	< 1.21 U	**20.7 J**	**0.0031 J**	< 6.62 U	< 0.0077 U	**0.809**	< 0.0060 U	< 0.0702 U	**0.0429**	< 0.0054 U	**1.38**	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
Ethylbenzene	100-41-4	1	390	NL	**4.74**	< 0.0073 U	< 0.0060 U	**4.43**	< 0.0052 U	< 0.0065 U	< 0.0063 U	**32.5**	**255**	< 0.0049 U	**6.62 J**	< 0.0077 U	**6.24 J**	< 0.0060 U	< 0.0702 U	**0.0075**	< 0.0054 U	**0.958**	< 0.0716 U	< 0.0066 U	**0.159 J**	**47.9**
m+p-Xylene	1330-20-7-M,P	NL	NL	NL	**17.4 J**	< 0.0145 U	< 0.0120 U	**15.9 J**	< 0.0091 U	< 0.0112 U	< 0.0109 U	**23.7 J**	**189 J**	< 0.0097 U	< 13.2 UJ	< 0.0155 U	**5.07 J**	< 0.0119 U	< 0.14 UJ	< 0.0147 U	< 0.0109 U	**0.374 J**	< 0.143 UJ	< 0.0131 U	**0.292 J**	< 17.1 U
o-Xylene	95-47-6	NL	NL	NL	**6.75 J**	< 0.0073 U	< 0.0060 U	**4.91 J**	< 0.0036 U	< 0.0044 U	< 0.0043 U	**9.71 J**	**75 J**	< 0.0049 U	**5.03 J**	< 0.0077 U	**3.93 J**	< 0.0060 U	< 0.0702 UJ	< 0.0074 U	< 0.0054 U	**0.3 J**	< 0.0716 UJ	< 0.0066 U	**0.131 J**	**8.79**
Toluene	108-88-3	0.7	500	NL	**2.16**	< 0.0073 U	< 0.0060 U	**1.4**	< 0.0051 U	< 0.0063 U	< 0.0061 U	< 1.21 U	**160**	**0.0045 J**	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	< 0.0702 U	< 0.0074 U	< 0.0054 U	**0.333**	< 0.0716 U	< 0.0066 U	< 0.139 UJ	< 8.54 U
Total Xylenes	Calc-Xylenes	NL	500	NL	**24.15**	< 0.0073	< 0.0060	**20.81**	< 0.0091	< 0.0044	< 0.0043	**33.41**	**264**	< 0.0097	**5.03**	< 0.0077	**9**	< 0.0060	< 0.0702	< 0.0074	< 0.0054	**0.674**	< 0.0716	< 0.0066	**0.423**	**8.79**
Total BTEX	*CALC-BTEX*	*NL*	*NL*	*NL*	***31.05***	*ND*	*ND*	***27.049***	*ND*	*ND*	*ND*	***65.91***	***699.7***	***0.0076***	***11.65***	*ND*	***16.049***	*ND*	*ND*	***0.0504***	*ND*	***3.345***	*ND*	*ND*	***0.582***	***56.69***
Volatile Organic Compounds (VOCs)(mg/Kg)																											
1,1,1-Trichloroethane	71-55-6	0.68	500	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.634 U	< 0.0053 U	< 0.0065 U	< 0.0063 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	**0.249**	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 UJ
1,1-Dichloroethane	75-34-3	0.27	240	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.504 U	< 0.0042 U	< 0.0052 U	< 0.0050 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	**0.0582 J**	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	NL	NS	NS	NS	NS	NS	NS	NS	**36.1**	**89.3**	< 0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	500	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.6 U	< 0.0050 U	< 0.0062 U	< 0.0060 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	**0.996**	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
1,2-Dichloroethane	107-06-2	0.02	30	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.654 U	< 0.0055 U	< 0.0067 U	< 0.0065 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	< 0.0702 U	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	NL	NS	NS	NS	NS	NS	NS	NS	**11.2**	**37.5**	< 0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	130	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.552 U	< 0.0046 U	< 0.0057 U	< 0.0055 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	**0.0610 J**	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	**0.21 J**	< 8.54 U
Acetone	67-64-1	0.05	500	NL	R	**0.0786 J**	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Carbon disulfide	75-15-0	NL	NL	NL	< 2.54 UJ	< 0.0145 U	< 0.0120 U	< 1.36 UJ	< 0.0114 U	< 0.0140 U	< 0.0136 U	< 2.41 UJ	< 53.2 UJ	< 0.0097 U	< 13.2 UJ	< 0.0155 U	< 1.37 UJ	< 0.0119 U	< 0.14 UJ	< 0.0147 U	< 0.0109 U	< 0.193 UJ	< 0.143 UJ	< 0.0131 U	< 0.278 UJ	< 17.1 U
cis-1,2-Dichloroethene	156-59-2	0.25	500	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.579 U	< 0.0048 U	< 0.0060 U	< 0.0058 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	< 0.0702 U	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
Cyclohexane	110-82-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NL	**1.37**	< 0.0073 U	< 0.0060 U	**1.02**	< 0.0036 U	< 0.0045 U	< 0.0044 U	**7.04 J**	**22.9 J**	< 0.0049 U	< 6.62 UJ	< 0.0077 U	**2.28 J**	< 0.0060 U	< 0.0702 UJ	< 0.0074 U	< 0.0054 U	**2.28 J**	< 0.0716 UJ	< 0.0066 U	**0.271 J**	**10.8**
Methylcyclohexane	108-87-2	NL	NL	NL	**20**	NS	NS	**21.3**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	0.05	500	NL	< 2.54 U	< 0.0145 U	< 0.0120 U	< 1.36 UJ	< 0.0114 U	< 0.0140 U	**0.0168**	< 2.41 U	< 53.2 U	< 0.0097 U	< 13.2 U	< 0.0155 U	< 1.37 U	< 0.0119 U	< 0.14 U	< 0.0147 U	< 0.0109 U	< 0.193 U	< 0.143 U	< 0.0131 U	< 0.278 U	< 17.1 U
n-Butylbenzene	104-51-8	12	500	NL	NS	NS	NS	NS	NS	NS	NS	**2.29**	< 26.6	< 0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	103-65-1	3.9	500	NL	NS	NS	NS	NS	NS	NS	NS	**3.41**	**21.5**	< 0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	99-87-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	**3.7**	< 26.6	< 0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	135-98-8	11	500	NL	NS	NS	NS	NS	NS	NS	NS	**1.15**	< 26.6	< 0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	< 1.27 UJ	< 0.0073 U	< 0.0060 U	< 0.341 UJ	< 0.0028 U	< 0.0035 U	< 0.0034 U	**0.941 J**	< 26.6 UJ	**0.0025 J**	< 6.62 UJ	< 0.0077 U	< 0.685 UJ	< 0.0060 U	< 0.0702 UJ	< 0.0074 U	< 0.0054 U	**0.0790 J**	< 0.0716 UJ	< 0.0066 U	< 0.139 UJ	< 8.54 U
Tentatively Identified Compounds	TICS	NL	NL	NL	NS	**0**	**0**	NS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tetrachloroethene	127-18-4	1.3	150	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.593 U	< 0.0050 U	< 0.0061 U	< 0.0059 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 UJ	< 0.0077 U	< 0.685 UJ	< 0.0060 U	**1.08**	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	**0.159 J**	< 8.54 U
trans-1,2-Dichloroethene	156-60-5	0.19	500	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.641 U	< 0.0054 U	< 0.0066 U	< 0.0064 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	< 0.0702 U	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
Trichloroethene	79-01-6	0.47	200	NL	< 1.27 U	< 0.0073 U	< 0.0060 U	< 0.668 U	< 0.0056 U	< 0.0069 U	< 0.0067 U	< 1.21 U	< 26.6 U	< 0.0049 U	< 6.62 U	< 0.0077 U	< 0.685 U	< 0.0060 U	**0.267**	< 0.0074 U	< 0.0054 U	< 0.0963 U	< 0.0716 U	< 0.0066 U	< 0.139 U	< 8.54 U
Total VOCs	*CALC-VOC*	*NL*	*NL*	*NL*	***52.42***	***0.0786***	*ND*	***49.369***	*ND*	*ND*	***0.0168***	***131.741***	***870.9***	***0.0101***	***11.65***	*ND*	***18.329***	*ND*	***2.7112***	***0.0504***	*ND*	***5.704***	*ND*	*ND*	***1.222***	***67.49***
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																											
2-Methylnaphthalene	91-57-6	NL	NL	NL	**1.03 J**	< 0.104 UJ	< 0.0918 U	**0.511 J**	< 0.931 UJ	< 0.197 UJ	< 0.197 U	**6.61**	**909**	**0.0273 J**	**32.7**	< 0.215 U	**36.1**	**0.0211 J**	< 7.86 U	< 0.205 U	< 0.192 U	**2.54 J**	**0.197 J**	**0.0238 J**	< 0.706 U	**495**
Acenaphthene	83-32-9	20	500	NL	**0.111 J**	< 0.104 U	< 0.0918 U	**0.0323 J**	< 0.931 U	< 0.197 U	< 0.197 U	**0.905 J**	**410**	< 0.26 U	**23.6**	**0.0478 J**	**27.4**	**0.0190 J**	< 7.86 U	**0.0568 J**	< 0.192 U	**22.7 J**	**0.0569 J**	< 0.193 U	**12.5 J**	**238**
Acenaphthylene	208-96-8	100	500	NL	< 0.128 U	< 0.104 U	< 0.0918 U	< 0.291 U	< 0.931 U	< 0.197 U	< 0.197 U	< 2.95 U	**53 J**	< 0.26 U	**4.01 J**	< 0.215 U	**4.7 J**	< 0.18 U	< 7.86 U	< 0.205 U	< 0.192 U	**23.7 J**	< 0.202 U	< 0.193 U	**11.7 J**	**58.5**
Anthracene	120-12-7	100	500	NL	**0.122 J**	< 0.104 U	< 0.0918 U	**0.0323 J**	< 0.931 U	< 0.197 U	< 0.197 U	**0.536 J**	**181**	< 0.26 U	**10.7**	**0.102 J**	**12.5**	< 0.18 U	**1.65 J**	< 0.205 U	< 0.192 U	**42.3 J**	< 0.202 U	< 0.193 U	**34**	**189**
Benzo(a)anthracene	56-55-3	1	5.6	NL	**0.153**	< 0.104 U	< 0.0918 U	**0.0511 J**	**0.5 J**	< 0.197 U	< 0.197 U	**0.733 J**	**100 J**	< 0.26 U	**5.56 J**	**0.192 J**	**6.67 J**	< 0.18 U	**3.57 J**	< 0.205 U	< 0.192 U	**37.4 J**	< 0.202 U	< 0.193 U	**22.5**	**96.7**
Benzo(a)pyrene	50-32-8	1	1	NL	**0.132**	< 0.104 U	< 0.0918 U	**0.0446 J**	**0.564 J**	< 0.197 U	< 0.197 U	**0.661 J**	**74.1 J**	< 0.26 U	**3.84 J**	**0.16 J**	**4.7 J**	< 0.18 U	**3.7 J**	< 0.205 U	< 0.192 U	**49.1 J**	< 0.202 U	< 0.193 U	**22.3**	**81.2**
Benzo(b)fluoranthene	205-99-2	1	5.6	NL	**0.126 J**	< 0.104 U	< 0.0918 U	< 0.291 U	**0.455 J**	< 0.197 U	< 0.197 U	< 2.95 U	**38.3 J**	< 0.26 U	< 9.69 U	**0.113 J**	< 9.74 U	< 0.18 U	< 7.86 U	< 0.205 U	< 0.192 U	**27.3 J**	< 0.202 U	< 0.193 U	**10.8 J**	**35.6 J**
Benzo(ghi)perylene	191-24-2	100	500	NL	**0.0548 J**	< 0.104 U	< 0.0918 U	< 0.291 U	**0.308 J**	< 0.197 U	< 0.197 U	**0.435 J**	**24.3 J**	< 0.26 U	**1.31 J**	**0.0839 J**	**1.67 J**	< 0.18 U	**1.65 J**	< 0.205 UJ	< 0.192 UJ	**22.3 J**	< 0.202 UJ	< 0.193 UJ	**9.96 J**	**31.8 J**
Benzo(k)fluoranthene	207-08-9	0.8	56	NL	**0.106 J**	< 0.104 U	< 0.0918 U	**0.0411 J**	**0.459 J**	< 0.197 U	< 0.197 U	**0.441 J**	**36.3 J**	< 0.26 U	**2.8 J**	**0.165 J**	**3.3 J**	< 0.18 U	**4.14 J**	< 0.205 U	< 0.192 U	**26.6 J**	< 0.202 U	< 0.193 U	**8.32 J**	**37.9 J**
Chrysene	218-01-9	1	56	NL	**0.13**	< 0.104 U	< 0.0918 U	**0.0429 J**	**0.525 J**	< 0.197 U	< 0.197 U	**0.762 J**	**97.5 J**	< 0.26 U	**5.38 J**	**0.19 J**	**6.57 J**	< 0.18 U	**3.83 J**	< 0.205 U	< 0.192 U	**37.5 J**	< 0.202 U	< 0.193 U	**20.1**	**96.5**
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	NL	< 0.128 U	< 0.104 U	< 0.0918 U	< 0.291 U	< 0.931 U	< 0.197 U	< 0.197 U	< 2.95 U	< 122 U	< 0.26 U	< 9.69 U	**0.0239 J**	< 9.74 U	< 0.18 U	< 7.86 U	< 0.205 U	< 0.192 U	**3.33 J**	< 0.202 U	< 0.193 U	< 0.513 U	< 1.55 U
Fluoranthene	206-44-0	100	500	NL	**0.479**	< 0.104 U	< 0.0918 U	**0.146 J**	**0.916 J**	< 0.197 U	< 0.197 U	**1.45 J**	**210**	< 0.26 U	**11.2**	**0.443**	**13**	< 0.18 U	**7.69 J**	< 0.205 U	< 0.192 U	**50.5 J**	< 0.202 U	< 0.193 U	**46.1**	**206**
Fluorene	86-73-7	30	500	NL	**0.121 J**	< 0.104 U	< 0.0918 U	**0.0405 J**	< 0.931 U	< 0.197 U	< 0.197 U	**0.661 J**	**290**	< 0.26 U	**15.6**	**0.0543 J**	**18**	< 0.18 U	< 7.86 U	< 0.205 U	< 0.192 U	**35.8 J**	< 0.202 U	< 0.193 U	**41.3**	**234**
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	NL	**0.0698 J**	< 0.104 U	< 0.0918 U	< 0.291 U	**0.325 J**	< 0.197 U	< 0.197 U	**0.381 J**	**22.3 J**	< 0.26 U	**1.23 J**	**0.0882 J**	**1.49 J**	< 0.18 U	**1.46 J**	< 0.205 U	< 0.192 U	**16.4 J**	< 0.202 U	< 0.193 U	**7.77 J**	**24.1 J**
Naphthalene	91-20-3	12	500	NL	**2.59**	< 0.104 U	< 0.0918 U	**0.723**	< 0.931 U	< 0.197 U	< 0.197 U	**30.1**	**1720**	**0.0951 J**	**54.1**	**0.0443 J**	**56.6**	**0.0525 J**	< 7.86 U	**0.227**	< 0.192 U	**6.06 J**	**1.14**	**0.0639 J**	< 1.23 U	**949**
Phenanthrene	85-01-8	100	500	NL	**0.512**	< 0.104 U	< 0.0918 U	**0.146 J**	**0.414 J**	< 0.197 U	< 0.197 U	**2.18 J**	**690**	< 0.26 U	**37.6**	**0.385**	**42.5**	**0.0200 J**	**5.57 J**	< 0.205 U	< 0.192 U	**90.9 J**	< 0.202 U	< 0.193 U	**4.09 J**	**518**
Pyrene	129-00-0	100	500	NL	**0.355**	< 0.104 U	< 0.0918 U	**0.107 J**	**0.892 J**	< 0.197 U	< 0.197 U	**1.9 J**	**287**	< 0.26 U	**15.8**	**0.37**	**18.7**	< 0.18 U	**8.21**	< 0.205 U	< 0.192 U	**116 J**	< 0.202 U	< 0.193 U	**77.4**	**330**
Total PAHs	*CALC-PAH*	*NL*	*NL*	*500*	***6.0916***	*ND*	*ND*	***1.9178***	***5.358***	*ND*	*ND*	***47.755***	***5142.8***	***0.1224***	***225.43***	***2.4624***	***253.9***	***0.1126***	***41.47***	***0.2838***	*ND*	***610.43***	***1.3939***	***0.0877***	***328.84***	***3621.3***
Other Semivolatile Organic Compounds (SVOCs) (mg/Kg)																											
1,1'-Biphenyl	92-52-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	90-12-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	**4.94**	**606**	< 0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 0.256 U	< 0.208 U	< 0.184 U	< 0.581 U	< 1.86 U	< 0.393 U	< 0.395 U	< 5.9 U	< 243 U	< 0.52 U	< 19.4 U	< 0.43 U	< 19.5 U	< 0.361 U	< 15.7 U	< 0.41 U	< 0.384 U	R	< 0.405 U	< 0.386 U	< 6.13 U	< 18.6 U
Carbazole	86-74-8	NL	NL	NL	**0.109 J**	< 0.208 U	< 0.184 U	< 0.581 UJ	< 1.86 UJ	< 0.393 UJ	< 0.395 U	< 5.9 U	< 243 U	< 0.52 U	< 19.4 U	**0.0374 J**	< 19.5 U	< 0.361 U	< 15.7 U	< 0.41 U	< 0.384 U	R	< 0.405 U	< 0.386 U	< 1.16 U	< 3.51 U
Dibenzofuran	132-64-9	7	350	NL	**0.0672 J**	< 0.208 U	< 0.184 U	< 0.581 U	< 1.86 U	< 0.393 U	< 0.395 U	< 5.9 U	**24.5 J**	< 0.52 U	**1.57 J**	**0.0243 J**	**1.89 J**	< 0.361 U	< 15.7 U	< 0.41 U	< 0.384 U	R	< 0.405 U	< 0.386 U	< 0.387 U	< 1.17 U
Phenol	108-95-2	0.33	500	NL	< 0.256 U	< 0.208 U	< 0.184 U	< 0.581 U	R	< 0.393 U	< 0.395 U	< 5.9 U	< 243 U	< 0.52 U	< 19.4 U	< 0.43 U	< 19.5 U	< 0.361 U	< 15.7 U	< 0.41 U	< 0.384 U	< 48.4 U	< 0.405 U	< 0.386 U	< 0.645 U	< 1.95 U
Tentatively Identified Compounds	TICS	NL	NL	NL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total Other SVOCs	*CALC-SVOC*	*NL*	*NL*	*NL*	***6.2678***	*ND*	*ND*	***1.9178***	***5.358***	*ND*	*ND*	***47.755***	***5167.3***	***0.1224***	***227***	***2.5241***	***255.79***	***0.1126***	***41.47***	***0.2838***	*ND*	***610.43***	***1.3939***	***0.0877***	***328.84***	***3621.3***

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial value.
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-01 4/5/2010 4-5	SB-01 4/5/2010 40-45	SB-01 4/5/2010 71-72	SB-01 4/8/2010 5-7	SB-02 4/8/2010 1-2	SB-02 4/9/2010 40-45	SB-02 4/9/2010 71-72	SB-03 4/13/2010 4-5	SB-03 4/13/2010 30-35	SB-03 4/13/2010 59-60	SB-04 DUP 4/27/2010 32-34	SB-04 4/27/2010 4-5	SB-04 4/27/2010 32-34	SB-04 4/27/2010 58-60	SB-05 4/21/2010 4-5	SB-05 4/22/2010 39-40	SB-05 4/22/2010 70-72	SB-06 4/20/2010 4-5	SB-06 4/20/2010 26-28	SB-06 4/21/2010 49-50	SB-07 4/28/2010 4-5	SB-07 4/28/2010 10-12
Inorganic Compounds (mg/Kg)																											
Aluminum	7429-90-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2880 J**	**2500 J**	**2440 J**	**6210 J**	**3300 J**	**2200 J**	NS	NS
Antimony	7440-36-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.98 U	< 5.72 U	< 5.12 U	**0.979 J**	< 5.31 U	< 5.78 U	NS	NS
Arsenic	7440-38-2	13	16	NL	**4.77 J**	**4.29 J**	**3.33 J**	< 4.64 U	**5.45**	< 5.10 UJ	< 4.83 U	**1.62 J**	**2.82 J**	**66.8**	**1.02 J**	**4.22**	**0.850 J**	**4.19**	**8.41**	**2.33**	**8.17**	**7.5**	**4.4**	**0.885 J**	**24.2**	**5.73**
Barium	7440-39-3	350	400	NL	**37.3 J**	**37.2 J**	**58.3 J**	**33.5**	**62.8**	**15.9**	**20.1**	**18.7**	**17**	**11.9**	**23.9 J**	**148 J**	**22.3 J**	**50.1 J**	**82.9 J**	**11.8 J**	**21.8 J**	**134 J**	**10.1 J**	**19.9 J**	**45.4 J**	**34.0 J**
Beryllium	7440-41-7	7.2	590	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.871**	< 0.572 U	< 0.512 U	< 0.671 U	< 0.531 U	< 0.578 U	NS	NS
Cadmium	7440-43-9	2.5	9.3	NL	**0.508 J**	**0.715**	**0.318 J**	**0.227 J**	**0.724**	**0.142 J**	**0.193 J**	**0.349 J**	**0.319 J**	**0.765**	**0.285 J**	**0.325 J**	**0.259 J**	**0.632**	**0.380 J**	**0.158 J**	**0.423 J**	**1.3**	**0.191 J**	**0.160 J**	**0.67**	**0.534 J**
Calcium	7440-70-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8300 J**	**330 J**	**777 J**	**54900 J**	**382 J**	**2570 J**	NS	NS
Chromium	7440-47-3	30	1500	NL	**16.2 J**	**16.4 J**	**11.7 J**	**14.3 J**	**26.8 J**	**6.66 J**	**7.36 J**	**7.18**	**6.74**	**17.7**	**7.99**	**6.66**	**7.24**	**9.38**	**7.39**	**6.01**	**9.78**	**9.7**	**6.66**	**4.65**	**11.1 J**	**8.62 J**
Cobalt	7440-48-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.97**	**3.36**	**3.35**	**6.82**	**2.23**	**2.2**	NS	NS
Copper	7440-50-8	50	270	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**39**	**4.92**	**6.38**	**52.5**	**2.96**	**6.13**	NS	NS
Iron	7439-89-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**10200 J**	**6010 J**	**17700 J**	**16500 J**	**7670 J**	**6010 J**	NS	NS
Lead	7439-92-1	63	1000	NL	**17.2**	**6.22**	**5.96**	**12.9**	**114**	**2.35**	**3.95**	**20.9 J**	**2.86 J**	**3.62 J**	**4.59**	**264**	**4.27**	**3.41**	**34.1**	**3.31**	**2.84**	**333**	**2.19**	**2.83**	**241 J**	**123 J**
Magnesium	7439-95-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1580**	**1270**	**1460**	**3000**	**1370**	**1810**	NS	NS
Manganese	7439-96-5	1600	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**119**	**50.4**	**210**	**205**	**54.8**	**85.2**	NS	NS
Mercury	7439-97-6	0.18	2.8	NL	**0.0536**	**0.0071 J**	< 0.0328 U	**0.0243 J**	**0.558**	< 0.0339 U	**0.0058 J**	**0.272**	< 0.0336 U	**0.0050 J**	< 0.0340 UJ	**0.776**	< 0.0342 UJ	**0.0076 J**	**0.167**	< 0.0361 U	**0.0053 J**	**0.614**	< 0.0328 U	< 0.0338 U	**0.688 J**	**0.442 J**
Nickel	7440-02-0	30	310	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**12.1 J**	**9.69 J**	**6.79 J**	**20.9 J**	**5.95 J**	**4.80 J**	NS	NS
Potassium	7440-09-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**482**	**441**	**429**	**871**	**523**	**369**	NS	NS
Selenium	7782-49-2	3.9	1500	NL	< 1.64 U	< 1.87 U	< 1.56 U	< 1.55 U	**0.355 J**	< 1.70 U	< 1.61 U	< 1.56 U	< 1.68 U	< 1.50 U	**0.282 J**	**0.641 J**	**0.376 J**	**0.826 J**	**0.532 J**	**0.320 J**	**0.675 J**	**2.76**	**0.393 J**	< 1.73 U	**2.99 J**	**2.24 J**
Silver	7440-22-4	2	1500	NL	**0.508 J**	< 1.87 U	**0.396 J**	< 1.55 U	< 1.42 U	< 1.70 U	< 1.61 U	**0.416 J**	< 1.68 U	< 1.50 U	< 1.63 UJ	< 1.78 UJ	< 1.55 UJ	< 1.68 UJ	< 1.79 U	< 1.72 U	< 1.53 U	< 2.01 U	< 1.59 U	< 1.73 U	< 1.65 U	< 1.91 U
Sodium	7440-23-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**168**	**49.7**	**76.4**	**633**	**322**	**132**	NS	NS
Thallium	7440-28-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.59 U	< 3.43 U	< 3.07 U	< 4.02 U	< 3.18 U	< 3.47 U	NS	NS
Vanadium	7440-62-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8.23**	**11.8**	**14.4**	**26.5**	**7.26**	**7.75**	NS	NS
Zinc	7440-66-6	109	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**69.8**	**15.2**	**16.4**	**136**	**14.4**	**12.9**	NS	NS
Cyanide, Free	57-12-5-Free	NL	NL	NL	< 1.20 U	< 1.18 U	< 1.08 U	< 1.05 U	< 1.19 U	< 1.07 U	< 1.14 U	< 1.05 U	**0.395 J**	< 1.12 U	< 1.28 U	< 1.31 U	< 1.08 U	< 1.05 U	< 1.15 U	< 1.32 U	< 1.03 U	**0.939 J**	< 1.12 U	< 1.19 U	< 2.07 UJ	**7.36 J**
Total Cyanide	57-12-5	27	27	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																										
Aroclor 1254	11097-69-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0240 U	< 0.0245 U	< 0.0229 U	< 0.0273 U	< 0.0229 U	< 0.0238 U	NS	NS
PCB (Total) (ppm)	***CALC-PCBs***	*0.1*	*1*	*NL*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*< 0.0240*	*< 0.0245*	*< 0.0229*	*< 0.0273*	*< 0.0229*	*< 0.0238*	*NS*	*NS*
Pesticides (mg/Kg)																										
Pesticides					NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NS	NS
Herbicides (mg/Kg)																										
2,4,5-TP (Silvex)	93-72-1	3.8	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00800 U	< 0.00800 U	< 0.00767 U	< 0.00976 U	< 0.00796 U	< 0.00750 U	NS	NS
2,4-D	94-75-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00800 U	< 0.00800 U	< 0.00767 U	< 0.00976 U	< 0.00796 U	< 0.00750 U	NS	NS
2,4-DB	94-82-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00800 U	< 0.00800 U	< 0.00767 U	< 0.00976 U	< 0.00796 U	< 0.00750 U	NS	NS
T,2,4,5-	93-76-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00800 U	< 0.00800 U	< 0.00767 U	< 0.00976 U	< 0.00796 U	< 0.00750 U	NS	NS
Percent Solids/Moisture																										
Moisture, percent	MOIST	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Solids	SOLIDS	NL	NL	NL	**86.4**	**77.7**	**89**	**84.7**	**88.3**	**82.3**	**83.1**	**91.2**	**84.6**	**89.7**	**84.1**	**76.5**	**83.8**	**88.6**	**83.1**	**78.6**	**85.5**	**67.2**	**81.4**	**84**	**77.4**	**73**

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial value.
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-07 4/29/2010 37-40	SB-07 4/29/2010 48-50	SB-08 5/5/2010 3-4	SB-08 5/5/2010 34-35	SB-08 5/5/2010 48-50	SB-09 9/14/2010 4.5-5	SB-09 9/15/2010 40-45	SB-09 9/15/2010 55-60	SB-09 9/16/2010 75-80	SB-10 4/15/2010 4-5	SB-10 4/15/2010 35-40	SB-10 4/15/2010 49-50	SB-11 4/19/2010 4-5	SB-11 4/19/2010 30-33	SB-11 4/19/2010 59-60	SB-12 4/12/2010 2-3.5	SB-12 4/12/2010 30-35	SB-12 4/12/2010 49-50	SB-13 4/14/2010 4-5	SB-13 4/14/2010 35-40	SB-13 4/15/2010 69-70	SB-14 4/1/2010 4-5
BTEX (mg/Kg)																										
Benzene	71-43-2	0.06	44	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	**21.5**	**0.0166**	< 0.0054 U	**1.1**	< 0.011 U	< 0.0051 U	< 0.0052 U	**0.0371**	< 0.0058 U	**2.12**	**0.164**	**0.181**	**0.0150 J**	**0.163**	**0.0157**	**6.93 J**	**311**	< 0.0045 U	< 0.38 U
Ethylbenzene	100-41-4	1	390	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	**2.36**	< 0.0078 U	< 0.0054 U	**34**	**0.0046 J**	< 0.0051 U	< 0.0052 U	**0.066**	< 0.0058 U	**4.05**	< 0.0761 U	< 0.0065 U	**0.0070 J**	**1.18**	**0.0313**	NS	**206**	< 0.0045 U	**1.33**
m+p-Xylene	1330-20-7-M,P	NL	NL	NL	< 0.0165 U	< 0.0132 U	< 6.34 U	**0.676**	< 0.0157 U	**0.0031 J**	**37**	< 0.011 U	< 0.0051 U	< 0.0105 U	**0.0087 J**	< 0.0116 U	**2.96 J**	< 0.152 UJ	< 0.0130 U	**0.0235 J**	**0.884 J**	**0.122**	**108 J**	**360 J**	< 0.0090 U	**1.8 J**
o-Xylene	95-47-6	NL	NL	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	**0.36**	< 0.0078 U	**0.0017 J**	**18 J**	**0.0025 J**	< 0.0051 U	< 0.0052 U	**0.0143**	< 0.0058 U	**1.39 J**	< 0.0761 UJ	< 0.0065 U	**0.0150 J**	**0.475 J**	**0.0734**	**49.6 J**	**161 J**	< 0.0045 U	**0.859 J**
Toluene	108-88-3	0.7	500	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	**0.0018 J**	**0.95**	< 0.011 U	< 0.0051 U	< 0.0052 U	**0.0096**	< 0.0058 U	**0.287**	< 0.0761 U	< 0.0065 U	**0.0801 J**	**0.357**	**0.167**	**10.8**	**601**	< 0.0045 U	< 0.38 U
Total Xylenes	Calc-Xylenes	NL	500	NL	< 0.0083	< 0.0066	< 6.34	**1.036**	< 0.0078	**0.0048 J**	**56**	**0.0050 J**	< 0.0051 U	< 0.0052	**0.023**	< 0.0058	**4.35**	< 0.0761	< 0.0065	**0.0385**	**1.359**	**0.1954**	**157.6**	**521**	< 0.0090	**2.659**
Total BTEX	*CALC-BTEX*	*NL*	*NL*	*NL*	*ND*	*ND*	*ND*	***24.896***	***0.0166***	***0.0066***	***92.05***	***0.0096***	*ND*	*ND*	***0.1357***	*ND*	***10.807***	***0.164***	***0.181***	***0.1406***	***3.059***	***0.4094***	***175.33***	***1639***	*ND*	***3.989***
Volatile Organic Compounds (VOCs)(mg/Kg)																										
1,1,1-Trichloroethane	71-55-6	0.68	500	NL	< 0.0083 U	< 0.0066 U	< 3.17 UJ	< 0.0745 UJ	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
1,1-Dichloroethane	75-34-3	0.27	240	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0077	**0.649**	**0.023**	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	500	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
1,2-Dichloroethane	107-06-2	0.02	30	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	**0.027 J**	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0077	**0.228**	**0.0079**	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	130	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
Acetone	67-64-1	0.05	500	NL	R	R	R	R	R	R	**0.023 J**	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Carbon disulfide	75-15-0	NL	NL	NL	< 0.0165 U	< 0.0132 U	< 6.34 U	< 0.149 U	< 0.0157 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0105 U	< 0.0101 U	< 0.0116 U	< 0.126 UJ	< 0.152 UJ	< 0.0130 U	< 0.0153 U	< 0.262 UJ	< 0.0130 U	< 14.6 UJ	< 12.9 UJ	< 0.0090 U	< 0.761 UJ
cis-1,2-Dichloroethene	156-59-2	0.25	500	NL	**0.0127**	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
Cyclohexane	110-82-7	NL	NL	NL	NS	NS	NS	NS	NS	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	98-82-8	NL	NL	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	**1.8**	< 0.011 U	< 0.0051 U	< 0.0052 U	**0.0086**	< 0.0058 U	**2.98**	< 0.0761 UJ	< 0.0065 U	< 0.0077 U	**0.136 J**	< 0.0065 U	**25.5 J**	**5.78 J**	< 0.0045 U	**0.749**
Methylcyclohexane	108-87-2	NL	NL	NL	NS	NS	NS	NS	NS	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	0.05	500	NL	< 0.0165 U	< 0.0132 U	< 6.34 U	< 0.149 U	< 0.0157 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0105 U	< 0.0101 U	< 0.0116 U	< 0.126 UJ	< 0.152 U	< 0.0130 U	< 0.0153 U	< 0.262 U	< 0.0130 U	< 14.6 U	< 12.9 UJ	< 0.0090 U	< 0.761 U
n-Butylbenzene	104-51-8	12	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0077	**0.123**	< 0.0065	NS	NS	NS	NS
n-Propylbenzene	103-65-1	3.9	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0077	**0.144**	< 0.0065	NS	NS	NS	NS
p-Isopropyltoluene	99-87-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0077	**0.434**	< 0.0065	NS	NS	NS	NS
sec-Butylbenzene	135-98-8	11	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0077	< 0.131	< 0.0065	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	**0.62**	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	**0.0568 J**	< 0.0761 UJ	< 0.0065 U	**0.0282 J**	**0.553 J**	**0.0859**	< 7.29 UJ	**288 J**	< 0.0045 U	**0.373 J**
Tentatively Identified Compounds	TICS	NL	NL	NL	**0**	**0**	**0**	**0**	**0**	NS	NS	NS	NS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tetrachloroethene	127-18-4	1.3	150	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	**0.0012 J**	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
trans-1,2-Dichloroethene	156-60-5	0.19	500	NL	< 0.0083 U	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
Trichloroethene	79-01-6	0.47	200	NL	**0.0291**	< 0.0066 U	< 3.17 U	< 0.0745 U	< 0.0078 U	< 0.0054 U	< 0.049 U	< 0.011 U	< 0.0051 U	< 0.0052 U	< 0.0050 U	< 0.0058 U	< 0.0631 U	< 0.0761 U	< 0.0065 U	< 0.0077 U	< 0.131 U	< 0.0065 U	< 7.29 U	< 6.43 U	< 0.0045 U	< 0.38 U
Total VOCs	*CALC-VOC*	*NL*	*NL*	*NL*	***0.0418***	*ND*	*ND*	***24.896***	***0.0166***	***0.0078***	***94.52***	***0.0096***	*ND*	*ND*	***0.1443***	*ND*	***13.8438***	***0.164***	***0.181***	***0.1688***	***5.326***	***0.5262***	***200.83***	***1932.78***	*ND*	***5.111***
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																										
2-Methylnaphthalene	91-57-6	NL	NL	NL	< 0.0113 U	**0.0334 J**	**50.6**	< 0.0120 U	< 0.0114 U	**4.7**	**130**	**0.15 J**	< 0.19 U	**0.142 J**	**0.0231 J**	**0.0387 J**	**4.73**	**0.0208 J**	< 0.204 U	**0.176 J**	**4.59**	< 0.195 U	**18.6**	**2490**	**0.0255 J**	**6.68**
Acenaphthene	83-32-9	20	500	NL	< 0.0123 U	< 0.0107 U	**30.1**	< 0.0131 U	< 0.0125 U	< 1.8 U	< 0.19 U	**0.19 J**	< 0.19 U	**0.0867 J**	**0.0223 J**	< 0.208 U	**2.87**	< 0.202 U	< 0.204 U	**0.198 J**	**3.37**	< 0.195 U	< 13.1 U	< 507 U	< 0.185 U	< 3.26 U
Acenaphthylene	208-96-8	100	500	NL	< 0.0154 U	< 0.0134 U	**10.4**	< 0.0164 U	< 0.0156 U	**20**	**25**	**0.11 J**	< 0.19 U	**0.0742 J**	< 0.187 U	< 0.208 U	**3.92**	< 0.202 U	< 0.204 U	**0.0896 J**	**0.242 J**	< 0.195 U	< 13.1 U	**1050**	< 0.185 U	< 3.26 U
Anthracene	120-12-7	100	500	NL	< 0.0154 U	< 0.0134 U	**19.1**	< 0.0164 U	< 0.0156 U	**9.1**	**39**	**0.14 J**	< 0.19 U	**0.195 J**	< 0.187 U	< 0.208 U	**4.62**	< 0.202 U	< 0.204 U	**0.275 J**	**1.99**	< 0.195 U	< 13.1 U	**430 J**	< 0.185 U	< 3.26 U
Benzo(a)anthracene	56-55-3	1	5.6	NL	< 0.0329 U	< 0.0285 U	**22.6**	< 0.0350 U	< 0.0332 U	**5.5**	**20**	**0.081 J**	< 0.19 U	**0.403**	< 0.187 U	< 0.208 U	**6.41**	< 0.202 U	< 0.204 U	**0.46**	**1.25 J**	< 0.195 U	< 13.1 U	**233 J**	< 0.185 U	< 3.26 U
Benzo(a)pyrene	50-32-8	1	1	NL	< 0.0174 U	< 0.0151 U	**21.4**	< 0.0186 U	< 0.0176 U	**9.6**	**16**	**0.063 J**	< 0.19 U	**0.402**	< 0.187 U	< 0.208 U	**6.11**	< 0.202 U	< 0.204 U	**0.432 J**	**0.752 J**	< 0.195 U	< 13.1 U	**192 J**	< 0.185 U	< 3.26 U
Benzo(b)fluoranthene	205-99-2	1	5.6	NL	< 0.0679 U	< 0.0588 U	**13.4**	< 0.0723 U	< 0.0686 U	**8**	**12 J**	**0.049 J**	< 0.19 U	**0.362 J**	< 0.187 U	< 0.208 U	**4.47**	< 0.202 U	< 0.204 U	**0.373 J**	**0.375 J**	< 0.195 U	< 13.1 U	< 507 U	< 0.185 U	< 3.26 U
Benzo(ghi)perylene	191-24-2	100	500	NL	< 0.0144 UJ	< 0.0124 UJ	**6.07**	< 0.0153 U	< 0.0145 U	**15**	**6.4 J**	**0.032 J**	< 0.19 U	**0.225 J**	< 0.187 U	< 0.208 U	**2.63**	< 0.202 UJ	< 0.204 UJ	**0.136 J**	**0.217 J**	< 0.195 U	< 13.1 U	< 507 U	< 0.185 U	< 3.26 U
Benzo(k)fluoranthene	207-08-9	0.8	56	NL	< 0.0205 U	< 0.0178 U	**17.6**	< 0.0219 U	< 0.0207 U	**4.2**	**6.1 J**	**0.027 J**	< 0.19 U	**0.279 J**	< 0.187 U	< 0.208 U	**2.84**	< 0.202 U	< 0.204 U	**0.269 J**	**0.375 J**	< 0.195 U	< 13.1 U	**91.2 J**	< 0.185 U	< 3.26 U
Chrysene	218-01-9	1	56	NL	< 0.00726 U	< 0.00629 U	**21.8**	< 0.00772 U	< 0.00733 U	**6.5**	**19**	**0.074 J**	< 0.19 U	**0.405**	< 0.187 U	< 0.208 U	**5.87**	< 0.202 U	< 0.204 U	**0.54**	**1.27 J**	< 0.195 U	**1.35 J**	**235 J**	< 0.185 U	< 3.26 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	NL	< 0.00818 U	< 0.00709 U	**1.72 J**	< 0.00871 U	< 0.00827 U	**4.1**	**2.3**	< 0.19 U	< 0.19 U	**0.0633 J**	< 0.187 U	< 0.208 U	**0.835 J**	< 0.202 U	< 0.204 U	< 0.452 U	< 1.34 U	< 0.195 U	< 13.1 U	< 507 U	< 0.185 U	< 3.26 U
Fluoranthene	206-44-0	100	500	NL	< 0.0123 U	< 0.0107 U	**36.4**	< 0.0131 U	< 0.0125 U	**4.2**	**42**	**0.15 J**	< 0.19 U	**0.982**	< 0.187 U	< 0.208 U	**11**	< 0.202 U	< 0.204 U	**0.801**	**2.04**	< 0.195 U	**2.55 J**	**532**	< 0.185 U	< 3.26 U
Fluorene	86-73-7	30	500	NL	< 0.0123 U	< 0.0107 U	**23.2**	< 0.0131 U	< 0.0125 U	**5.5**	**44**	**0.16 J**	< 0.19 U	**0.127 J**	< 0.187 U	< 0.208 U	**6.4**	< 0.202 U	< 0.204 U	**0.239 J**	**2.51**	< 0.195 U	< 13.1 U	**715**	< 0.185 U	< 3.26 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	NL	< 0.0236 U	< 0.0205 U	**6.51**	< 0.0251 U	< 0.0239 U	**8.7**	**5.2 J**	**0.023 J**	< 0.19 U	**0.249 J**	< 0.187 U	< 0.208 U	**2.42**	< 0.202 U	< 0.204 U	**0.146 J**	**0.198 J**	< 0.195 U	< 13.1 U	< 507 U	< 0.185 U	< 3.26 U
Naphthalene	91-20-3	12	500	NL	< 0.0196 U	< 0.0170 U	**83.6 J**	< 0.0209 U	< 0.0198 U	**1.2 J**	**180**	**0.37**	< 0.19 U	**0.332 J**	**0.146 J**	**0.0914 J**	**5.5**	**0.11 J**	< 0.204 U	**0.151 J**	**3.09**	< 0.195 U	**112**	**5730**	**0.0872 J**	**61**
Phenanthrene	85-01-8	100	500	NL	< 0.0236 U	**0.0432 J**	**61.6**	< 0.0251 U	**0.0286 J**	**2.2**	**120**	**0.45**	< 0.19 U	**0.755**	< 0.187 U	**0.0253 J**	**18.2**	**0.0216 J**	< 0.204 U	**0.974**	**6.61**	< 0.195 U	**3.4 J**	**1700**	**0.0243 J**	< 3.26 U
Pyrene	129-00-0	100	500	NL	< 0.0361 U	< 0.0313 U	**46.5**	< 0.0384 U	< 0.0365 U	**11**	**51**	**0.21**	< 0.19 U	**0.829**	< 0.187 U	< 0.208 U	**16.6**	< 0.202 U	< 0.204 U	**0.992**	**2.76**	< 0.195 U	**2.36 J**	**708**	< 0.185 U	< 3.26 U
Total PAHs	*CALC-PAH*	*NL*	*NL*	*500*	*ND*	***0.0766***	***472.6***	*ND*	***0.0286***	***119.5***	***718***	***2.279***	*ND*	***5.9112***	***0.1914***	***0.1554***	***105.425***	***0.1524***	*ND*	***6.2516***	***31.639***	*ND*	***140.26***	***14106.2***	***0.137***	***67.68***
Other Semivolatile Organic Compounds (SVOCs) (mg/Kg)																										
1,1'-Biphenyl	92-52-4	NL	NL	NL	NS	NS	NS	NS	NS	< 1.8 U	**15 J**	**0.04 J**	< 0.19 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	90-12-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.25**	**3.5**	< 0.195	NS	NS	NS	NS
Acetophenone	98-86-2	NL	500	NL	NS	NS	NS	NS	NS	**0.37 J**	< 0.19 U	< 0.19 U	< 0.19 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	100-52-7	NL	NL	NL	NS	NS	NS	NS	NS	**1.2 J**	< 0.19 UJ	< 0.19 UJ	< 0.19 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 0.0979 U	< 0.0848 U	< 1.69 U	< 0.104 U	< 0.0989 U	< 1.8 U	< 0.19 UJ	< 0.19 U	< 0.19 U	< 0.773 U	< 0.374 U	< 0.417 U	< 3.55 U	< 0.404 U	< 0.408 U	< 0.905 U	< 2.69 U	< 0.39 U	< 26.3 U	< 1010 U	< 0.371 U	< 6.52 U
Carbazole	86-74-8	NL	NL	NL	< 0.0185 U	< 0.0160 U	**0.783 J**	< 0.0197 U	< 0.0187 U	< 1.8 U	**2.8 J**	< 0.19 U	< 0.19 U	**0.0555 J**	< 0.374 U	< 0.417 U	< 3.55 U	< 0.404 U	< 0.408 U	< 0.905 U	< 2.69 U	< 0.39 U	< 26.3 U	< 1010 U	< 0.371 U	< 6.52 U
Dibenzofuran	132-64-9	7	350	NL	< 0.00617 U	< 0.00535 U	**2.43 J**	< 0.00657 U	< 0.00624 U	< 1.8 U	**3.1**	< 0.19 U	< 0.19 U	**0.0516 J**	< 0.374 U	< 0.417 U	**0.688 J**	< 0.404 U	< 0.408 U	< 0.905 U	**0.198 J**	< 0.39 U	< 26.3 U	**62.5 J**	< 0.371 U	< 6.52 U
Phenol	108-95-2	0.33	500	NL	< 0.0103 U	< 0.00892 U	< 0.178 U	< 0.0110 U	< 0.0104 U	< 1.8 U	**0.025 J**	< 0.19 U	< 0.19 U	< 0.773 U	< 0.374 U	< 0.417 U	< 3.55 U	< 0.404 U	< 0.408 U	< 0.905 U	< 2.69 U	< 0.39 U	< 26.3 U	< 1010 UJ	< 0.371 U	< 6.52 U
Tentatively Identified Compounds	TICS	NL	NL	NL	**0**	**0**	**0**	**0**	**0**	NS	NS	NS	NS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total Other SVOCs	*CALC-SVOC*	*NL*	*NL*	*NL*	*ND*	***0.0766***	***475.813***	*ND*	***0.0286***	***121.07***	***738.925***	***2.319***	*ND*	***6.0183***	***0.1914***	***0.1554***	***106.113***	***0.1524***	*ND*	***6.5016***	***35.337***	*ND*	***140.26***	***14168.7***	***0.137***	***67.68***

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial va
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-07 4/29/2010 37-40	SB-07 4/29/2010 48-50	SB-08 5/5/2010 3-4	SB-08 5/5/2010 34-35	SB-08 5/5/2010 48-50	SB-09 9/14/2010 4.5-5	SB-09 9/15/2010 40-45	SB-09 9/15/2010 55-60	SB-09 9/16/2010 75-80	SB-10 4/15/2010 4-5	SB-10 4/15/2010 35-40	SB-10 4/15/2010 49-50	SB-11 4/19/2010 4-5	SB-11 4/19/2010 30-33	SB-11 4/19/2010 59-60	SB-12 4/12/2010 2-3.5	SB-12 4/12/2010 30-35	SB-12 4/12/2010 49-50	SB-13 4/14/2010 4-5	SB-13 4/14/2010 35-40	SB-13 4/15/2010 69-70	SB-14 4/1/2010 4-5
Inorganic Compounds (mg/Kg)																										
Aluminum	7429-90-5	NL	NL	NL	NS	NS	**4480 J**	**3400 J**	**2460 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2420 J**	NS	NS	NS	NS	NS	NS	**13600**
Antimony	7440-36-0	NL	NL	NL	NS	NS	**0.949 J**	< 6.35 UJ	< 5.57 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.33 U	NS	NS	NS	NS	NS	NS	< 5.46 U
Arsenic	7440-38-2	13	16	NL	**2.41**	**1.96**	**10.2**	**16.9**	**1.28 J**	**8.9**	**2.2**	**4.6**	**0.76**	**6.39**	**0.402 J**	**2.97**	**6.64**	**1.8**	**0.853 J**	**8.04**	**2.00 J**	**6.1**	**13**	**2.65**	**2.89**	**3.41**
Barium	7440-39-3	350	400	NL	**14.1 J**	**11.1 J**	**118 J**	**26.2 J**	**12.5 J**	**109**	**18.4**	**55.1**	**17.9**	**179 J**	**12.6 J**	**28.2 J**	**102 J**	**17.5 J**	**11.8 J**	**201**	**17.2**	**16.5**	**424**	**15.6**	**33.5**	**69.8**
Beryllium	7440-41-7	7.2	590	NL	NS	NS	**0.694**	**0.287 J**	**0.171 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.584**
Cadmium	7440-43-9	2.5	9.3	NL	**0.360 J**	**0.221 J**	**1.35**	**0.367 J**	**0.263 J**	**0.91**	**0.18**	**0.26**	**0.096 J**	**1.24**	**0.193 J**	**0.284 J**	**1.04**	**0.211 J**	**0.153 J**	**1.83**	**0.200 J**	**0.339 J**	**1.31**	**0.202 J**	**0.156 J**	**0.284 J**
Calcium	7440-70-2	NL	NL	NL	NS	NS	**10500 J**	**593 J**	**300 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1570**
Chromium	7440-47-3	30	1500	NL	**9.51 J**	**5.57 J**	**13.0 J**	**7.88 J**	**4.65 J**	**21**	**6.9**	**11.1**	**5.6**	**38.9 J**	**6.62 J**	**6.81 J**	**19.0 J**	**5.73**	**4.5**	**95.7**	**11**	**7.14**	**27.8 J**	**6.89 J**	**12.4 J**	**16.3 J**
Cobalt	7440-48-4	NL	NL	NL	NS	NS	**5.81 J**	**12.5 J**	**3.57 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3.51**	NS	NS	NS	NS	NS	NS	**6.33 J**
Copper	7440-50-8	50	270	NL	NS	NS	**73.9**	**4.79**	**4.65**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4.12**	NS	NS	NS	NS	NS	NS	**12.1**
Iron	7439-89-6	NL	NL	NL	NS	NS	**14000 J**	**9390 J**	**6860 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5900 J**	NS	NS	NS	NS	NS	NS	**13700**
Lead	7439-92-1	63	1000	NL	**6.16 J**	**2.63 J**	**454 J**	**3.52 J**	**2.90 J**	**268**	**4.2**	**3**	**2.9**	**354 J**	**3.69 J**	**3.37 J**	**159 J**	**2.69**	**2.84**	**383 J**	**3.91 J**	**4.48 J**	**1230**	**4.19**	**3.19**	**42**
Magnesium	7439-95-4	NL	NL	NL	NS	NS	**3400 J**	**1210 J**	**1190 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2850**
Manganese	7439-96-5	1600	10000	NL	NS	NS	**150 J**	**43.4 J**	**67.0 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**59.2**	NS	NS	NS	NS	NS	NS	**258**
Mercury	7439-97-6	0.18	2.8	NL	**0.0107 J**	< 0.0367 U	**0.536 J**	**0.0084 J**	< 0.0334 U	**0.72**	**0.0032 J**	< 0.043 U	< 0.046 U	**0.428**	< 0.0343 U	< 0.0343 U	**0.276**	< 0.0332 U	**0.0088 J**	**0.358**	**0.0057 J**	< 0.0351 U	**0.61**	< 0.0342 U	< 0.0302 U	**0.271 J**
Nickel	7440-02-0	30	310	NL	NS	NS	**20.6 J**	**15.2 J**	**7.44 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**6.44 J**	NS	NS	NS	NS	NS	NS	**21.5 J**
Potassium	7440-09-7	NL	NL	NL	NS	NS	**669 J**	**418 J**	**384 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**370**	NS	NS	NS	NS	NS	NS	R
Selenium	7782-49-2	3.9	1500	NL	**0.440 J**	< 3.54 U	**1.12 J**	**0.533 J**	< 3.34 U	< 1.1 U	< 0.88 U	< 0.91 U	< 1.1 U	**2.07**	**0.318 J**	**0.330 J**	**1.33 J**	< 1.77 U	**0.293 J**	**0.468 J**	**0.331 J**	< 1.67 U	**0.907 J**	< 1.55 U	< 1.61 U	**3.54**
Silver	7440-22-4	2	1500	NL	< 1.78 U	< 1.77 U	< 1.68 U	< 1.90 U	< 1.67 U	**0.12 J**	< 0.88 U	< 0.91 U	< 1.1 U	< 3.04 U	< 2.98 U	< 3.73 U	< 3.50 U	< 1.77 U	< 1.60 U	**0.585 J**	< 1.46 U	< 1.67 U	**0.778 J**	< 1.55 U	**0.799 J**	< 1.64 U
Sodium	7440-23-5	NL	NL	NL	NS	NS	**1350 J**	**227 J**	**72.4 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**30.5**	NS	NS	NS	NS	NS	NS	**555 J**
Thallium	7440-28-0	NL	NL	NL	NS	NS	< 3.37 U	< 3.81 U	< 3.34 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 3.20 U	NS	NS	NS	NS	NS	NS	< 3.28 U
Vanadium	7440-62-2	NL	NL	NL	NS	NS	**18.1**	**11**	**6.16**	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4.63**	NS	NS	NS	NS	NS	NS	**21.2**
Zinc	7440-66-6	109	10000	NL	NS	NS	**332 J**	**23.2 J**	**17.9 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**46.6 J**
Cyanide, Free	57-12-5-Free	NL	NL	NL	< 1.28 UJ	< 1.13 UJ	< 1.15 U	< 1.28 U	< 1.23 U	NS	NS	NS	NS	< 1.06 U	< 1.10 U	< 1.20 U	**1.12 J**	< 1.18 U	< 1.05 U	< 1.38 U	< 1.13 U	< 1.17 U	**0.391 J**	< 1.14 U	< 1.08 U	< 1.21 U
Total Cyanide	57-12-5	27	27	NL	NS	NS	NS	NS	NS	**0.530 J**	< 0.227 U	< 0.216 U	< 0.237 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																										
Aroclor 1254	11097-69-1	NL	NL	NL	NS	NS	< 0.0134 U	< 0.0149 U	< 0.0145 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0233 U
PCB (Total) (ppm)	***CALC-PCBs***	*0.1*	*1*	*NL*	*NS*	*NS*	*< 0.00967*	*< 0.00835*	*< 0.00988*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*< 0.0233*
Pesticides (mg/Kg)																										
Pesticides					NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
Herbicides (mg/Kg)																										
2,4,5-TP (Silvex)	93-72-1	3.8	500	NL	NS	NS	< 0.00393 U	< 0.00429 U	< 0.00422 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00789 U
2,4-D	94-75-7	NL	NL	NL	NS	NS	< 0.00425 U	< 0.00465 U	< 0.00456 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00789 U
2,4-DB	94-82-6	NL	NL	NL	NS	NS	< 0.00598 U	< 0.00654 U	< 0.00642 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00789 U
T,2,4,5-	93-76-5	NL	NL	NL	NS	NS	< 0.00567 U	< 0.00620 U	< 0.00609 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.00789 U
Percent Solids/Moisture																										
Moisture, percent	MOIST	NL	NL	NL	NS	NS	NS	NS	NS	**12**	**15**	**13**	**16**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Solids	SOLIDS	NL	NL	NL	**74.1**	**80**	**86.1**	**76.4**	**80.5**	**88**	**85**	**87**	**84**	**84.6**	**85.7**	**78.2**	**83.8**	**79.6**	**80**	**72.3**	**87.3**	**83.2**	**80**	**81.8**	**87.8**	**81**

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial va
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-14 4/1/2010 5-6	SB-14 4/1/2010 9-10	SB-14 4/2/2010 69-70	SB-15 4/14/2010 4-5	SB-15 DUP 4/14/2010 37-39	SB-15 4/14/2010 37-39	SB-15 4/14/2010 69-70	SB-16 5/5/2010 4-5	SB-16 5/6/2010 10-13	SB-16 5/6/2010 68-70	SB-17 5/3/2010 4-5	SB-17 5/4/2010 30-32	SB-17 5/4/2010 48-50	SB-18 4/20/2010 1-2	SB-18 4/20/2010 28-30	SB-18 4/20/2010 69-70	SB-19 10/2/2011 37-37.5	SB-19 10/2/2011 72.5-75	SB-20 10/16/2011 9-10	SB-20 10/16/2011 82.5-85	SB-21 10/18/2011 25-27.5	SB-21 10/18/2011 87.5-90
BTEX (mg/Kg)																										
Benzene	71-43-2	0.06	44	NL	< 1.59 U	**0.0095**	< 0.0067 U	< 7.26 U	**108 J**	**195 J**	< 0.0760 U	**0.267**	< 6.55 U	**0.122**	**0.877 J**	< 0.0059 U	< 0.0062 U	**1.34**	**245**	< 0.0070 U	**1.3**	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Ethylbenzene	100-41-4	1	390	NL	**75.9**	**0.019**	< 0.0067 U	**56.1**	**121**	**131**	< 0.0760 U	**0.337**	**221 J**	**0.0676 J**	**30.6**	< 0.0059 U	< 0.0062 U	**27.2**	**437**	< 0.0070 U	**19**	**0.00082 J**	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
m+p-Xylene	1330-20-7-M,P	NL	NL	NL	**138 J**	**0.0319**	< 0.0133 U	**207 J**	**172 J**	**220 J**	< 0.152 UJ	< 0.137 U	**186 J**	< 0.133 UJ	**16.6**	< 0.0118 U	< 0.0124 U	**2.86 J**	**327 J**	< 0.0140 U	**27**	**0.0012 J**	**0.23**	< 0.0022 U	< 0.0022 U	< 0.0020 U
o-Xylene	95-47-6	NL	NL	NL	**63 J**	**0.0204**	< 0.0067 U	**89.5 J**	**79.7 J**	**113 J**	< 0.0760 UJ	< 0.0686 U	**81.6 J**	**0.0431 J**	**13.1**	< 0.0059 U	< 0.0062 U	**1.68 J**	**138 J**	< 0.0070 U	**12**	**0.00097 J**	**0.038 J**	< 0.0011 U	< 0.0011 U	< 0.00099 U
Toluene	108-88-3	0.7	500	NL	**6.91**	< 0.0066 U	< 0.0067 U	< 7.26 U	**248**	**374**	< 0.0760 U	< 0.0686 U	**6.29 J**	< 0.0663 U	**2.12**	< 0.0059 U	< 0.0062 U	**1.41**	**471**	< 0.0070 U	**2.1**	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Total Xylenes	Calc-Xylenes	NL	500	NL	**201**	**0.0523**	< 0.0067	**296.5**	**251.7**	**333**	< 0.0760	< 0.0686	**267.6**	**0.0431**	**29.7**	< 0.0059	< 0.0062	**4.54**	**465**	< 0.0070	**39**	**0.00217**	**0.268**	< 0.0022	< 0.0022	< 0.0020
Total BTEX	*CALC-BTEX*	*NL*	*NL*	*NL*	***283.81***	***0.0808***	*ND*	***352.6***	***728.7***	***1033***	*ND*	***0.604***	***494.89***	***0.2327***	***63.297***	*ND*	*ND*	***34.49***	***1618***	*ND*	***61.4***	***0.00299***	***0.268***	*ND*	*ND*	*ND*
Volatile Organic Compounds (VOCs)(mg/Kg)																										
1,1,1-Trichloroethane	71-55-6	0.68	500	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 UJ	< 6.55 UJ	< 0.0663 U	< 1.46 UJ	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
1,1-Dichloroethane	75-34-3	0.27	240	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	500	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
1,2-Dichloroethane	107-06-2	0.02	30	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	130	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Acetone	67-64-1	0.05	500	NL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	< 0.011 U	R	**0.0043 J**	**0.011 J**	**0.0049 J**
Carbon disulfide	75-15-0	NL	NL	NL	< 3.18 UJ	< 0.0132 U	< 0.0133 U	< 14.5 UJ	< 13.9 UJ	< 1.36 UJ	< 0.152 UJ	< 0.137 U	< 13.1 UJ	< 0.133 UJ	< 2.92 U	< 0.0118 U	< 0.0124 U	< 1.98 UJ	< 126 UJ	< 0.0140 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	**0.00077 J**	< 0.00099 U
cis-1,2-Dichloroethene	156-59-2	0.25	500	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Cyclohexane	110-82-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.2 UJ	< 0.0011 U	**0.3**	< 0.0011 U	< 0.0011 U	< 0.00099 U
Isopropylbenzene	98-82-8	NL	NL	NL	**5.45**	< 0.0066 U	< 0.0067 U	**6.32 J**	< 6.94 UJ	**1.97 J**	< 0.0760 UJ	**0.104**	**23.3 J**	< 0.0663 UJ	**13.6**	< 0.0059 U	< 0.0062 U	**20.2 J**	< 63 UJ	< 0.0070 U	**0.54 J**	< 0.0011 U	**0.23**	< 0.0011 U	< 0.0011 U	< 0.00099 U
Methylcyclohexane	108-87-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.2 UJ	< 0.0011 U	**1.1**	< 0.0011 U	< 0.0011 U	< 0.00099 U
Methylene chloride	75-09-2	0.05	500	NL	< 3.18 U	< 0.0132 U	< 0.0133 U	< 14.5 U	< 13.9 UJ	< 1.36 UJ	< 0.152 U	< 0.137 U	< 13.1 U	< 0.133 U	< 2.92 U	< 0.0118 U	< 0.0124 U	< 1.98 U	< 126 U	< 0.0140 U	< 1.2 U	< 0.0013 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
n-Butylbenzene	104-51-8	12	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	103-65-1	3.9	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	99-87-6	NL	NL	NL	NS	NS	NS	< 7.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	135-98-8	11	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	**17.9 J**	**0.0078**	< 0.0067 U	**8.93 J**	**104 J**	**156 J**	< 0.0760 UJ	< 0.0686 U	< 6.55 U	< 0.0663 UJ	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 UJ	< 63 UJ	< 0.0070 U	**9.2**	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Tentatively Identified Compounds	TICS	NL	NL	NL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	1.3	150	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 UJ	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 UJ	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
trans-1,2-Dichloroethene	156-60-5	0.19	500	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Trichloroethene	79-01-6	0.47	200	NL	< 1.59 U	< 0.0066 U	< 0.0067 U	< 7.26 U	< 6.94 U	< 0.678 U	< 0.0760 U	< 0.0686 U	< 6.55 U	< 0.0663 U	< 1.46 U	< 0.0059 U	< 0.0062 U	< 0.988 U	< 63 U	< 0.0070 U	< 1.2 U	< 0.0011 U	< 0.11 U	< 0.0011 U	< 0.0011 U	< 0.00099 U
Total VOCs	*CALC-VOC*	*NL*	*NL*	*NL*	***307.16***	***0.0886***	*ND*	***367.85***	***832.7***	***1190.97***	*ND*	***0.708***	***518.19***	***0.2327***	***76.897***	*ND*	*ND*	***54.69***	***1618***	*ND*	***71.14***	***0.00299***	***1.898***	***0.0043***	***0.01177***	***0.0049***
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																										
2-Methylnaphthalene	91-57-6	NL	NL	NL	**19.3**	< 0.0983 U	< 0.0962 U	**39.9 J**	**1120 J**	**1070**	**0.0554 J**	**0.0434 J**	**104**	< 0.00886 U	**139**	**0.0751 J**	< 0.00935 U	**30.6**	**1960 J**	**0.0930 J**	**20**	**0.093 J**	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
Acenaphthene	83-32-9	20	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**49.4 J**	< 409 U	< 0.208 U	**0.32**	**32.7**	< 0.00971 U	**39.9**	**0.0636 J**	< 0.0102 U	**7.56 J**	**523 J**	< 0.198 U	**4.9 J**	< 0.36 U	**0.083 J**	< 0.4 U	< 0.37 U	< 0.37 U
Acenaphthylene	208-96-8	100	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**489 J**	**481**	< 0.208 U	**0.0378 J**	**6.03 J**	< 0.0121 U	**5.66 J**	< 0.0156 U	< 0.0128 U	**5.99 J**	**555 J**	**0.0219 J**	**37**	< 0.36 U	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
Anthracene	120-12-7	100	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**206 J**	**201 J**	< 0.208 U	**0.583**	**16.9**	< 0.0121 U	**22.1 J**	< 0.0156 U	< 0.0128 U	**15.7 J**	**419 J**	< 0.198 U	**38**	< 0.36 U	**0.49**	< 0.4 U	< 0.37 U	< 0.37 U
Benzo(a)anthracene	56-55-3	1	5.6	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**112 J**	**111 J**	< 0.208 U	**1.09**	**11.1 J**	< 0.0259 U	**14.5 J**	< 0.0333 U	< 0.0273 U	**25.1**	**235 J**	< 0.198 U	**23**	< 0.036 U	**0.96**	< 0.04 U	< 0.037 U	< 0.037 U
Benzo(a)pyrene	50-32-8	1	1	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**88.2 J**	**86.8 J**	< 0.208 U	**1.16**	**8.72 J**	< 0.0137 U	**11.3 J**	< 0.0177 U	< 0.0145 U	**20.6 J**	**158 J**	< 0.198 U	**20**	< 0.036 U	**0.97**	< 0.04 U	< 0.037 U	< 0.037 U
Benzo(b)fluoranthene	205-99-2	1	5.6	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	< 400 UJ	< 409 U	< 0.208 U	**0.854**	< 4.28 U	< 0.0534 U	< 10.1 U	< 0.0688 U	< 0.0563 U	**10.8 J**	< 364 UJ	< 0.198 U	**14**	< 0.036 U	**0.76**	< 0.04 U	< 0.037 U	< 0.037 U
Benzo(ghi)perylene	191-24-2	100	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	< 400 UJ	< 409 U	< 0.208 U	**0.395**	**3.18 J**	< 0.0113 U	**4.36 J**	< 0.0146 UJ	< 0.0119 UJ	**8.1 J**	**47.9 J**	< 0.198 UJ	**8.5**	< 0.36 U	**0.71**	< 0.4 U	< 0.37 U	< 0.37 U
Benzo(k)fluoranthene	207-08-9	0.8	56	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**50.2 J**	**47.1 J**	< 0.208 U	**0.984**	**6.42 J**	< 0.0161 U	**6.2 J**	< 0.0208 U	< 0.0170 U	**14.3 J**	**120 J**	< 0.198 U	**5.2**	< 0.036 U	**0.32**	< 0.04 U	< 0.037 U	< 0.037 U
Chrysene	218-01-9	1	56	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**108 J**	**109 J**	< 0.208 U	**1.06**	**10.9 J**	< 0.00570 U	**14.7 J**	< 0.00735 U	< 0.00602 U	**29.5**	**248 J**	< 0.198 U	**24**	< 0.36 U	**1**	< 0.4 U	< 0.37 U	< 0.37 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	< 400 UJ	< 409 U	< 0.208 U	**0.0923 J**	< 0.515 U	< 0.00643 U	< 1.22 U	< 0.00829 U	< 0.00679 U	< 24.3 U	< 364 UJ	< 0.198 U	**1.8**	< 0.036 U	**0.17**	< 0.04 U	< 0.037 U	< 0.037 U
Fluoranthene	206-44-0	100	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**240 J**	**239 J**	< 0.208 U	**2.13**	**21.1**	< 0.00971 U	**27.2 J**	< 0.0125 U	< 0.0102 U	**26.4**	**438 J**	< 0.198 U	**38**	< 0.36 U	**1.4**	< 0.4 U	< 0.37 U	< 0.37 U
Fluorene	86-73-7	30	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**318 J**	**317 J**	< 0.208 U	**0.164 J**	**21.4**	< 0.00971 U	**29.1 J**	< 0.0125 U	< 0.0102 U	**14.6 J**	**516 J**	< 0.198 U	**37**	< 0.36 U	**0.15 J**	< 0.4 U	< 0.37 U	< 0.37 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	< 400 UJ	< 409 U	< 0.208 U	**0.408**	**2.92 J**	< 0.0186 U	**4.67 J**	< 0.0239 U	< 0.0196 U	**6.43 J**	**41.2 J**	< 0.198 U	**8.2**	< 0.036 U	**0.6**	< 0.04 U	< 0.037 U	< 0.037 U
Naphthalene	91-20-3	12	500	NL	**122**	< 0.0983 U	< 0.0962 U	**525**	**2630 J**	**2560**	**0.385**	**0.358**	**234**	< 0.0154 U	**447**	**0.136 J**	< 0.0163 U	**244**	**3940 J**	**0.301**	**4.2 J**	< 0.36 U	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
Phenanthrene	85-01-8	100	500	NL	**1.03 J**	< 0.0983 U	< 0.0962 U	< 62.5 U	**779 J**	**775**	< 0.208 U	**1.05**	**57.2**	< 0.0186 U	**75.7**	**0.0522 J**	< 0.0196 U	**45.5**	**1420 J**	**0.0279 J**	**150**	< 0.36 U	**1.3**	< 0.4 U	< 0.37 U	< 0.37 U
Pyrene	129-00-0	100	500	NL	< 3.54 U	< 0.0983 U	< 0.0962 U	< 62.5 U	**326 J**	**327 J**	< 0.208 U	**2.13**	**27.5**	< 0.0284 U	**42.2**	< 0.0366 U	< 0.0300 U	**62.4**	**614 J**	< 0.198 U	**73**	< 0.36 U	**1.9**	< 0.4 U	< 0.37 U	< 0.37 U
Total PAHs	*CALC-PAH*	*NL*	*NL*	*500*	***142.33***	*ND*	*ND*	***564.9***	***6515.8***	***6323.9***	***0.4404***	***12.8595***	***564.07***	*ND*	***883.59***	***0.3269***	*ND*	***567.58***	***11235.1***	***0.4438***	***506.8***	***0.093***	***10.813***	*ND*	*ND*	*ND*
Other Semivolatile Organic Compounds (SVOCs) (mg/Kg)																										
1,1'-Biphenyl	92-52-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5.3 J**	< 0.36 U	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
1-Methylnaphthalene	90-12-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 7.8 U	< 0.36 U	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
Benzaldehyde	100-52-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 7.8 UJ	< 0.36 UJ	< 0.4 UJ	< 0.4 UJ	< 0.37 UJ	< 0.37 UJ
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 7.09 U	< 0.197 U	< 0.192 U	< 125 U	< 801 UJ	< 818 U	< 0.416 U	< 0.0959 U	< 6.16 U	< 0.0769 U	< 14.6 U	< 0.0992 U	< 0.0812 U	< 48.6 U	< 729 UJ	< 0.395 U	< 7.8 U	**0.26 J**	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
Carbazole	86-74-8	NL	NL	NL	< 7.09 U	< 0.197 U	< 0.192 U	< 125 U	< 801 UJ	< 818 U	< 0.416 U	< 0.0182 U	< 1.17 U	< 0.0146 U	< 2.75 U	< 0.0188 U	< 0.0154 U	< 48.6 U	< 729 UJ	< 0.395 U	< 7.8 U	< 0.36 U	**0.063 J**	< 0.4 U	< 0.37 U	< 0.37 U
Dibenzofuran	132-64-9	7	350	NL	< 7.09 U	< 0.197 U	< 0.192 U	< 125 U	< 801 UJ	< 818 U	< 0.416 U	**0.0610 J**	**2.43 J**	< 0.00485 U	< 0.918 U	< 0.00626 U	< 0.00512 U	< 48.6 U	**50.8 J**	< 0.395 U	**3.1 J**	< 0.36 U	**0.072 J**	< 0.4 U	< 0.37 U	< 0.37 U
Phenol	108-95-2	0.33	500	NL	< 7.09 U	< 0.197 U	< 0.192 U	< 125 U	< 801 UJ	< 818 U	< 0.416 U	< 0.0101 U	< 0.649 U	< 0.00809 U	< 1.53 U	< 0.0104 U	< 0.00854 U	< 48.6 U	< 729 U	< 0.395 U	< 7.8 U	< 0.36 U	< 0.4 U	< 0.4 U	< 0.37 U	< 0.37 U
Tentatively Identified Compounds	TICS	NL	NL	NL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	NS	NS	NS	NS	NS	NS
Total Other SVOCs	*CALC-SVOC*	*NL*	*NL*	*NL*	***142.33***	*ND*	*ND*	***564.9***	***6515.8***	***6323.9***	***0.4404***	***12.9205***	***566.5***	*ND*	***883.59***	***0.3269***	*ND*	***567.58***	***11285.9***	***0.4438***	***515.2***	***0.353***	***10.948***	*ND*	*ND*	*ND*

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial va
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-14 4/1/2010 5-6	SB-14 4/1/2010 9-10	SB-14 4/2/2010 69-70	SB-15 4/14/2010 4-5	SB-15 DUP 4/14/2010 37-39	SB-15 4/14/2010 37-39	SB-15 4/14/2010 69-70	SB-16 5/5/2010 4-5	SB-16 5/6/2010 10-13	SB-16 5/6/2010 68-70	SB-17 5/3/2010 4-5	SB-17 5/4/2010 30-32	SB-17 5/4/2010 48-50	SB-18 4/20/2010 1-2	SB-18 4/20/2010 28-30	SB-18 4/20/2010 69-70	SB-19 10/2/2011 37-37.5	SB-19 10/2/2011 72.5-75	SB-20 10/16/2011 9-10	SB-20 10/16/2011 82.5-85	SB-21 10/18/2011 25-27.5	SB-21 10/18/2011 87.5-90
Inorganic Compounds (mg/Kg)																										
Aluminum	7429-90-5	NL	NL	NL	**4620**	**9500**	**4500**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Antimony	7440-36-0	NL	NL	NL	< 5.79 U	**0.936 J**	**0.702 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	13	16	NL	**5.17**	**3.27**	**1.99**	**5.27**	**1.55 J**	**1.57 J**	**4.59**	**3.24**	**4.3**	**4.08**	**6.97**	**2.68**	**7.37**	**9.29**	**1.97**	**1.29 J**	**4.2**	**1.9**	**4.9**	< 1.1 U	**2.4**	**1.4**
Barium	7440-39-3	350	400	NL	**83.9**	**46.3**	**41.2**	**62**	**16.7**	**18.7**	**42.8**	**39.3 J**	**22.7 J**	**40.0 J**	**57.8 J**	**9.93 J**	**21.8 J**	**37.3 J**	**10.9 J**	**38.4 J**	**21.3 J**	**18.9 J**	**90.8**	**29.0 J**	**9.9 J**	**31.0 J**
Beryllium	7440-41-7	7.2	590	NL	**0.255 J**	**0.341 J**	**0.197 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	2.5	9.3	NL	**0.301 J**	**0.411 J**	**0.197 J**	**0.423 J**	**0.171 J**	**0.214 J**	**0.481 J**	**0.448 J**	**0.412 J**	**0.379 J**	**0.645**	**0.309 J**	**0.591**	**1.08**	**0.229 J**	**0.184 J**	< 1.1 U	< 1.1 U	< 1.2 U	< 1.1 U	< 1.0 U	< 1.1 U
Calcium	7440-70-2	NL	NL	NL	**5220**	**1060**	**7470**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	30	1500	NL	**12.8 J**	**15.7 J**	**8.34 J**	**14.8 J**	**8.22 J**	**9.17 J**	**11.9 J**	**9.10 J**	**9.61 J**	**6.80 J**	**10.6 J**	**7.09 J**	**5.53 J**	**9.21**	**5.05**	**7**	**8.4**	**7.9**	**10.8**	**11.3**	**6.2**	**9.3**
Cobalt	7440-48-4	NL	NL	NL	**4.60 J**	**6.64 J**	**3.91 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	50	270	NL	**27.5**	**14.8**	**9.49**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NL	**9250**	**13400**	**8120**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	63	1000	NL	**560**	**11.4**	**5.8**	**124**	**3.98**	**4.5**	**9.18**	**63.5 J**	**40.6 J**	**3.09 J**	**875 J**	**2.48 J**	**2.99 J**	**98.9**	**2.15**	**4.15**	**3.5**	**4.1**	**185**	**3.7**	**3.5**	**5.7**
Magnesium	7439-95-4	NL	NL	NL	**1070**	**2880**	**3150**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	1600	10000	NL	**132**	**161**	**191**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	0.18	2.8	NL	**1.24 J**	**0.0090 J**	< 0.0330 U	**0.632**	< 0.0353 U	< 0.0353 U	**0.0097 J**	**0.440 J**	**0.187 J**	**0.0059 J**	**0.523 J**	**0.0059 J**	< 0.0324 U	**0.309**	< 0.0305 U	**0.0054 J**	< 0.038 U	< 0.035 U	**0.34**	< 0.039 U	< 0.036 U	< 0.035 U
Nickel	7440-02-0	30	310	NL	**11.1 J**	**20.3 J**	**8.17 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	7440-09-7	NL	NL	NL	R	R	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	7782-49-2	3.9	1500	NL	**1.96**	**2.37**	**1.23 J**	< 1.51 U	< 1.65 U	< 1.65 U	< 1.78 U	**0.573 J**	**0.637 J**	**0.447 J**	**1.20 J**	**0.292 J**	**0.624 J**	**5.16**	**0.386 J**	< 1.55 U	< 2.3 U	< 2.1 U	< 2.4 U	< 2.2 U	< 2.1 U	< 2.1 U
Silver	7440-22-4	2	1500	NL	< 1.74 U	< 1.62 U	< 1.69 U	**0.776 J**	< 1.65 U	< 1.65 U	**0.451 J**	< 1.67 U	< 1.53 U	< 1.74 U	< 1.57 U	< 1.65 U	< 1.63 U	< 2.17 U	< 1.59 U	< 1.55 U	< 2.3 U	< 2.1 U	< 2.4 U	< 2.2 U	< 2.1 U	< 2.1 U
Sodium	7440-23-5	NL	NL	NL	**442 J**	**280 J**	**164 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	7440-28-0	NL	NL	NL	< 3.47 U	< 3.24 U	< 3.37 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NL	**15.9**	**23.9**	**13.3**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	109	10000	NL	**71.6 J**	**39.2 J**	**27.4 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide, Free	57-12-5-Free	NL	NL	NL	< 1.15 U	< 1.10 U	< 1.10 U	< 1.14 U	< 1.14 U	< 1.21 U	< 1.20 U	< 1.22 U	< 1.11 U	< 1.25 U	< 1.07 U	< 1.29 U	< 1.12 U	**1.9**	< 1.15 U	< 1.19 U	NS	NS	NS	NS	NS	NS
Total Cyanide	57-12-5	27	27	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.047 U	< 0.044 U	**0.024 J**	< 0.049 U	< 0.045 U	< 0.045 U
Available cyanide	57-12-5-A	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
PCBs (mg/Kg)																										
Aroclor 1254	11097-69-1	NL	NL	NL	< 0.0239 U	< 0.0230 U	< 0.0228 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCB (Total) (ppm)	***CALC-PCBs***	*0.1*	*1*	*NL*	*< 0.0239*	*< 0.0230*	*< 0.0228*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*
Pesticides (mg/Kg)																										
Pesticides					ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Herbicides (mg/Kg)																										
2,4,5-TP (Silvex)	93-72-1	3.8	500	NL	< 0.00831 U	< 0.00801 U	< 0.00785 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-D	94-75-7	NL	NL	NL	< 0.00831 U	< 0.00801 U	< 0.00785 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-DB	94-82-6	NL	NL	NL	< 0.00831 U	< 0.00801 U	< 0.00785 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T,2,4,5-	93-76-5	NL	NL	NL	< 0.00831 U	< 0.00801 U	< 0.00785 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Solids/Moisture																										
Moisture, percent	MOIST	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Solids	SOLIDS	NL	NL	NL	**77.6**	**81.6**	**84.3**	**82.9**	**82.5**	**80.9**	**78.4**	**79.7**	**82.8**	**81.9**	**81.8**	**76.5**	**81.3**	**67**	**88.2**	**81.5**	NS	NS	NS	NS	NS	NS

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial va
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-22 10/5/2011 30-33	SB-22 10/6/2011 87.5-90	SB-23 10/4/2011 80-82.5	SB-23 10/4/2011 87-90	SB-24 10/11/2011 87.5-90	SB-24 10/12/2011 65-67.5	SB-25 10/13/2011 67.5-70	SB-25 10/13/2011 87.5-90	SB-26 3/13/2012 47-49	SB-26 3/13/2012 47-49	SB-26 3/13/2012 69-70	TP-01 5/19/2010 1.5-1.5	TP-01 5/19/2010 3.8-3.8	TP-02 5/20/2010 4-4.5	MW-4D1 4/28/2011 116-118	MW-4D2 DUP 4/27/2011 142-144	MW-4D2 4/27/2011 142-144
BTEX (mg/Kg)																					
Benzene	71-43-2	0.06	44	NL	**0.022**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	**0.0246**	**1.48**	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Ethylbenzene	100-41-4	1	390	NL	**0.082**	**0.0014**	**0.00039 J**	**0.00025 J**	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	**0.0237**	**10.3 J**	**0.0527**	< 0.0049 U	< 0.0056 U	< 0.0057 U
m+p-Xylene	1330-20-7-M,P	NL	NL	NL	**0.021**	< 0.0025 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0024 U	< 0.0022 U	< 0.0021 U	**0.0918**	**3.72 J**	**0.0195**	< 0.0049 U	< 0.0056 U	< 0.0057 U
o-Xylene	95-47-6	NL	NL	NL	**0.01**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	**0.0347**	**1.3 J**	**0.0132**	< 0.0049 U	< 0.0056 U	< 0.0057 U
Toluene	108-88-3	0.7	500	NL	**0.0081**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	**0.00027 J**	**0.00021 J**	**0.00015 J**	**0.0111**	**0.261**	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Total Xylenes	Calc-Xylenes	NL	500	NL	**0.031**	< 0.0025	< 0.0021	< 0.0022	< 0.0021	< 0.0021	< 0.0021	< 0.0023	< 0.0024	< 0.0022	< 0.0021	**0.1265**	**5.02**	**0.0327**	< 0.0049 U	< 0.0056 U	< 0.0057 U
Total BTEX	*CALC-BTEX*	*NL*	*NL*	*NL*	***0.1431***	***0.0014***	***0.00039***	***0.00025***	*ND*	*ND*	*ND*	*ND*	***0.00027***	***0.00021***	***0.00015***	***0.1859***	***17.061***	***0.0854***	*ND*	*ND*	*ND*
Volatile Organic Compounds (VOCs)(mg/Kg)																					
1,1,1-Trichloroethane	71-55-6	0.68	500	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
1,1-Dichloroethane	75-34-3	0.27	240	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	500	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
1,2-Dichloroethane	107-06-2	0.02	30	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	130	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Acetone	67-64-1	0.05	500	NL	**0.013 J**	< 0.012 U	< 0.013 U	< 0.011 U	< 0.012 UJ	< 0.011 UJ	< 0.016 UJ	< 0.012 UJ	**0.035**	**0.042**	< 0.013 U	R	R	**0.101 J**	R	R	R
Carbon disulfide	75-15-0	NL	NL	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	**0.0014**	**0.00059 J**	< 0.0010 U	< 0.0125 U	< 0.324 UJ	< 0.0114 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
cis-1,2-Dichloroethene	156-59-2	0.25	500	NL	**0.00029 J**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.0086**	< 0.0012 U	**0.0012 J**	**0.0041 J**	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Cyclohexane	110-82-7	NL	NL	NL	**0.00054 J**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	NS	NS	NS	< 0.0049 U	< 0.0056 U	< 0.0057 U
Isopropylbenzene	98-82-8	NL	NL	NL	**0.0016**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	**0.0293**	**2.45 J**	**0.0447**	< 0.0049 U	< 0.0056 U	< 0.0057 U
Methylcyclohexane	108-87-2	NL	NL	NL	**0.0013**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	NS	NS	NS	< 0.0049 U	< 0.0056 U	< 0.0057 U
Methylene chloride	75-09-2	0.05	500	NL	**0.00065 J**	**0.0047**	**0.011**	**0.00083 J**	< 0.0011 U	< 0.0011 U	**0.0034**	**0.0049**	**0.0084**	**0.0097**	**0.0043**	< 0.0125 U	< 0.324 U	< 0.0114 U	< 0.0049 U	< 0.0056 UJ	< 0.0057 UJ
n-Butylbenzene	104-51-8	12	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	103-65-1	3.9	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	99-87-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	135-98-8	11	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	**0.0021**	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 UJ	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Tentatively Identified Compounds	TICS	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0**	**0**	**0**	NS	NS	NS
Tetrachloroethene	127-18-4	1.3	150	NL	< 0.0011 U	< 0.0012 U	**0.00036 J**	< 0.0011 U	**0.00051 J**	< 0.0011 U	**0.0027**	**0.0010 J**	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 UJ	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
trans-1,2-Dichloroethene	156-60-5	0.19	500	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00042 J**	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Trichloroethene	79-01-6	0.47	200	NL	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	**0.011**	< 0.0011 U	**0.009**	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0010 U	< 0.0063 U	< 0.162 U	< 0.0057 U	< 0.0049 U	< 0.0056 U	< 0.0057 U
Total VOCs	*CALC-VOC*	*NL*	*NL*	*NL*	***0.16258***	***0.0061***	***0.01175***	***0.00108***	***0.01151***	*ND*	***0.02602***	***0.0059***	***0.04627***	***0.0566***	***0.00445***	***0.2152***	***19.511***	***0.2311***	*ND*	*ND*	*ND*
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																					
2-Methylnaphthalene	91-57-6	NL	NL	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.351**	**1.61**	< 0.186	< 0.18 U	< 0.19 U	< 0.19 U
Acenaphthene	83-32-9	20	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.328**	**0.2**	< 0.186	< 0.18 U	< 0.19 U	< 0.19 U
Acenaphthylene	208-96-8	100	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.0968**	< 0.424	**0.0523**	< 0.18 U	< 0.19 U	< 0.19 U
Anthracene	120-12-7	100	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.744**	**0.168**	**0.0407**	< 0.18 U	< 0.19 U	< 0.19 U
Benzo(a)anthracene	56-55-3	1	5.6	NL	< 0.04 U	< 0.041 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.037 U	< 0.04 U	< 0.041 U	< 0.042 U	< 0.041 U	**2.61**	**0.688**	**0.194**	< 0.18 U	< 0.19 U	< 0.19 U
Benzo(a)pyrene	50-32-8	1	1	NL	< 0.04 U	< 0.041 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.037 U	< 0.04 U	< 0.041 U	< 0.042 U	< 0.041 U	**2.92**	**0.829**	**0.294**	< 0.18 U	< 0.19 U	< 0.19 U
Benzo(b)fluoranthene	205-99-2	1	5.6	NL	< 0.04 U	< 0.041 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.037 U	< 0.04 U	< 0.041 U	< 0.042 U	< 0.041 U	**2.94**	**0.664**	**0.195**	< 0.18 U	< 0.19 U	< 0.19 U
Benzo(ghi)perylene	191-24-2	100	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**1.33**	**0.445**	**0.209**	< 0.18 U	< 0.19 U	< 0.19 U
Benzo(k)fluoranthene	207-08-9	0.8	56	NL	< 0.04 U	< 0.041 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.037 U	< 0.04 U	< 0.041 U	< 0.042 U	< 0.041 U	**1.97**	**0.587**	**0.16**	< 0.18 U	< 0.19 U	< 0.19 U
Chrysene	218-01-9	1	56	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**2.58**	**0.697**	**0.219**	< 0.18 U	< 0.19 U	< 0.19 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	NL	< 0.04 U	< 0.041 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.037 U	< 0.04 U	< 0.041 U	< 0.042 U	< 0.041 U	**0.357**	**0.0882**	< 0.186	< 0.18 U	< 0.19 U	< 0.19 U
Fluoranthene	206-44-0	100	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**5.4**	**1.15**	**0.237**	< 0.18 U	< 0.19 U	< 0.19 U
Fluorene	86-73-7	30	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.494**	**0.141**	< 0.186	< 0.18 U	< 0.19 U	< 0.19 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	NL	< 0.04 U	< 0.041 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.037 U	< 0.04 U	< 0.041 U	< 0.042 U	< 0.041 U	**1.54**	**0.402**	**0.141**	< 0.18 U	< 0.19 U	< 0.19 U
Naphthalene	91-20-3	12	500	NL	**0.59**	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**1.42**	**7.62**	< 0.186	< 0.18 U	< 0.19 U	< 0.19 U
Phenanthrene	85-01-8	100	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**3.13**	**0.671**	**0.148**	< 0.18 U	< 0.19 U	< 0.19 U
Pyrene	129-00-0	100	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**4.35**	**1.19**	**0.411**	< 0.18 U	< 0.19 U	< 0.19 U
Total PAHs	*CALC-PAH*	*NL*	*NL*	*500*	***0.59***	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	***32.5608***	***17.1502***	***2.301***	*ND*	*ND*	*ND*
Other Semivolatile Organic Compounds (SVOCs) (mg/Kg)																					
1,1'-Biphenyl	92-52-4	NL	NL	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	NS	NS	NS	< 0.18 U	< 0.19 U	< 0.19 U
1-Methylnaphthalene	90-12-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	98-86-2	NL	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	NS	NS	NS	< 0.18 UJ	< 0.19 UJ	< 0.19 UJ
Benzaldehyde	100-52-7	NL	NL	NL	< 0.4 UJ	< 0.41 UJ	< 0.39 UJ	< 0.39 UJ	< 0.39 UJ	< 0.39 UJ	< 0.37 UJ	< 0.4 UJ	< 0.41 UJ	< 0.42 UJ	< 0.41 UJ	NS	NS	NS	< 0.18 UJ	< 0.19 UJ	< 0.19 UJ
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.465**	< 0.848	< 0.373	**0.042 J**	**0.024 J**	**0.035 J**
Carbazole	86-74-8	NL	NL	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.323**	< 0.848	< 0.373	< 0.18 U	< 0.19 U	< 0.19 U
Dibenzofuran	132-64-9	7	350	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	**0.169**	< 0.848	< 0.373	< 0.18 U	< 0.19 U	< 0.19 U
Phenol	108-95-2	0.33	500	NL	< 0.4 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.37 U	< 0.4 U	< 0.41 U	< 0.42 U	< 0.41 U	< 1.88	< 0.848	< 0.373	< 0.18 U	< 0.19 U	< 0.19 U
Tentatively Identified Compounds	TICS	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0**	**0**	**0**	NS	NS	NS
Total Other SVOCs	*CALC-SVOC*	*NL*	*NL*	*NL*	***0.59***	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	***33.5178***	***17.1502***	***2.301***	***0.042***	***0.024***	***0.035***

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial va
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed

Table 5-4 (continued)
Summary of Subsurface Soil Anayltical Results
Former Metropolitan MGP, Brooklyn, New York

Sample Location Sample Date Sample Interval (feet)	CAS Number	NYSDEC PART 375-6 Unrestricted	NYSDEC Part 375-6 Commercial	CP-51	SB-22 10/5/2011 30-33	SB-22 10/6/2011 87.5-90	SB-23 10/4/2011 80-82.5	SB-23 10/4/2011 87-90	SB-24 10/11/2011 87.5-90	SB-24 10/12/2011 65-67.5	SB-25 10/13/2011 67.5-70	SB-25 10/13/2011 87.5-90	SB-26 3/13/2012 47-49	SB-26 3/13/2012 47-49	SB-26 3/13/2012 69-70	TP-01 5/19/2010 1.5-1.5	TP-01 5/19/2010 3.8-3.8	TP-02 5/20/2010 4-4.5	MW-4D1 4/28/2011 116-118	MW-4D2 DUP 4/27/2011 142-144	MW-4D2 4/27/2011 142-144
Inorganic Compounds (mg/Kg)																					
Aluminum	7429-90-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5060**	**3780**	**4070**
Antimony	7440-36-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.67 UJ	< 0.61 UJ	< 0.71 UJ
Arsenic	7440-38-2	13	16	NL	**4**	**1.0 J**	**0.98 J**	**0.95 J**	**3.2**	< 1.1 U	**3**	< 1.1 U	**1.8**	**1.8**	< 1.2 U	**7.22**	**7.22**	**4.97**	**1.5**	**1.6**	**0.99**
Barium	7440-39-3	350	400	NL	**35.5 J**	**15.4 J**	**13.9 J**	**11.2 J**	**51.9**	**20.6 J**	**11.7 J**	**8.5 J**	**9.1 J**	**9.2 J**	**21.9 J**	**153 J**	**117 J**	**67.6 J**	**17.3**	**13.9**	**14.5**
Beryllium	7440-41-7	7.2	590	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.3**	**0.16**	**0.18**
Cadmium	7440-43-9	2.5	9.3	NL	< 1.1 U	**0.19 J**	**0.29 J**	**0.26 J**	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.2 U	**1.32**	**1.3**	**0.657**	**0.074 J**	< 0.15 U	< 0.18 U
Calcium	7440-70-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5150 J**	**1940 J**	**3000 J**
Chromium	7440-47-3	30	1500	NL	**17.9**	**4.6**	**5.9**	**4.2**	**9.4**	**5.9**	**10.6**	**5.7**	**7**	**6.7**	**8.7**	**59.8 J**	**23.7 J**	**19.2 J**	**8.6**	**6.8**	**6.3**
Cobalt	7440-48-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5.5**	**2.8**	**2.9**
Copper	7440-50-8	50	270	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**11.6**	**9.1**	**9.8**
Iron	7439-89-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**11600**	**7650**	**8820**
Lead	7439-92-1	63	1000	NL	**9.6**	**6.1**	**3.9**	**3.1**	**3.3**	**2.9**	**3.2**	**2**	**6.3**	**5.8**	**3**	**578 J**	**580 J**	**162 J**	**4.2**	**2.6**	**2.6**
Magnesium	7439-95-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2980**	**2130**	**2730**
Manganese	7439-96-5	1600	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**331**	**135**	**129**
Mercury	7439-97-6	0.18	2.8	NL	< 0.036 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.039 U	< 0.034 U	< 0.040 U	< 0.041 U	< 0.038 U	< 0.040 U	**0.478 J**	**0.776 J**	**0.424 J**	< 0.040 U	< 0.039 U	< 0.043 U
Nickel	7440-02-0	30	310	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**11.3**	**7.4**	**8.1**
Potassium	7440-09-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**677**	**335**	**425**
Selenium	7782-49-2	3.9	1500	NL	< 2.2 U	< 2.5 U	< 2.3 U	< 2.4 U	< 2.4 U	< 2.3 U	< 2.2 U	< 2.1 U	< 2.3 U	< 2.4 U	< 2.4 U	**1.05 J**	**1.30 J**	**1.01 J**	**0.52 J**	< 0.92 U	< 1.1 U
Silver	7440-22-4	2	1500	NL	< 2.2 U	< 2.5 U	< 2.3 U	< 2.4 U	< 2.4 U	< 2.3 U	< 2.2 U	< 2.1 U	< 2.3 U	< 2.4 U	< 2.4 U	< 1.58 U	< 1.87 U	< 1.67 U	**0.16 J**	**0.069 J**	**0.089 J**
Sodium	7440-23-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**854 J**	**155 J**	**99.3 J**
Thallium	7440-28-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.67 U	< 0.61 U	< 0.71 U
Vanadium	7440-62-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**9.6 J**	**7.1 J**	**10.0 J**
Zinc	7440-66-6	109	10000	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**28.6**	**16.7**	**19.4**
Cyanide, Free	57-12-5-Free	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.637 J**	**0.647 J**	< 1.16 U	NS	NS	NS
Total Cyanide	57-12-5	27	27	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	< 0.048 UJ	< 0.050 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.045 U	< 0.049 U	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs (mg/Kg)																					
Aroclor 1254	11097-69-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.018 U	**0.022 J**	< 0.019 UJ
PCB (Total) (ppm)	***CALC-PCBs***	*0.1*	*1*	*NL*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*< 0.018*	***0.022***	*< 0.019*
Pesticides (mg/Kg)																					
Pesticides					NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Herbicides (mg/Kg)																					
2,4,5-TP (Silvex)	93-72-1	3.8	500	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-D	94-75-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-DB	94-82-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T,2,4,5-	93-76-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Percent Solids/Moisture																					
Moisture, percent	MOIST	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**9.3 J**	**16**	**12**
Percent Solids	SOLIDS	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**86.9**	**76.2**	**86**	NS	NS	NS

Notes:
mg/Kg - milligrams per kilogram
J = The associated numerical value is an estimated quantity.
R = The associated data is rejected.
U = The analyte was analyzed for but not detected at, or above, the Method Detection
UJ = The analyte was not detected at or above the PQL. However, the reported PQL
Bold indicates the analyte detected at a concentration greater than the MDL.
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective
Yellow highlight indicates result is above the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective Commercial va
Green highlight indicates result is above the NYSDEC CP-51 Alternate Criteria of 500 mg/Kg for Total PAHs.
NA = Not Analyzed
ND = Not Detected
NL = Not Listed