

Table 5
Screening Criteria

Analyte	TAGM ^(a) (mg/kg)	East USA ^(a) (mg/kg)	Fomer APCO Criteria ^(b)	Health Based DC ^(c)	
				Residential (mg/kg)	Industrial (mg/kg)
<i>Metals</i>					
ALUMINUM	SB	33,000	---	76,000	100,000
ANTIMONY	SB	---	---	31	410
ARSENIC	7.5 or SB	3 - 12	---	0.39	1.6
BARIUM	300 or SB	15 - 600	---	5,400	67,000
BERYLLIUM	0.16 or SB	0 - 1.75	---	150	1,900
CADMIUM	1 or SB	0.1 - 1	---	37	450
CALCIUM	SB	130 - 35,000	---	---	---
CHROMIUM	10 or SB	1.5 - 40	---	210	450
CHROMIUM, HEXAVALENT	---	---	---	30	64
COBALT	30 or SB	2.5 - 60	---	900	1,900
COPPER	25 or SB	1 - 50	---	3,100	41,000
IRON	2,000 or SB	2,000 - 550,000	---	23,000	100,000
LEAD	SB	200 - 500	---	400	800
MAGNESIUM	SB	100 - 5,000	---	---	---
MANGANESE	SB	50 - 5,000	---	1,800	19,000
MERCURY	0.1	0.001 - 0.2	---	23	310
NICKEL	13 or SB	0.5 - 25	---	1,600	20,000
POTASSIUM	SB	8,500 - 43,000	---	---	---
SELENIUM	2 or SB	0.1 - 3.9	---	390	5,100
SILVER	SB	---	---	390	5,100
SODIUM	SB	6,000 - 8,000	---	---	---
THALLIUM	SB	---	---	5.2	67
VANADIUM	150 or SB	1 - 300	---	78	1,000
ZINC	20 or SB	9 - 50	---	23,000	100,000
<i>Miscellaneous</i>					
CYANIDE	---	---	---	1,200	12,000
<i>PCBs</i>					
Sum of Arochlors	---	---	---	0.22	0.74
<i>Pesticides</i>					
4,4'-DDD	2.9	---	---	2.4	10
4,4'-DDE	2.1	---	---	1.7	7
4,4'-DDT	2.1	---	---	1.7	7
ALDRIN	0.041	---	---	0.029	0.1
ALPHA CHLORDANE	---	---	---	---	---
ALPHA-BHC	0.11	---	---	0.09	0.36
BETA-BHC	0.2	---	---	0.32	1.3
DELTA-BHC	0.3	---	---	---	---
DIELDRIN	0.044	---	---	0.03	0.11
ENDOSULFAN I	0.9	---	---	370	3,700
ENDOSULFAN II	0.9	---	---	---	---
ENDOSULFAN SULFATE	1	---	---	---	---
ENDRIN	0.1	---	---	18	180
ENDRIN ALDEHYDE	---	---	---	---	---
ENDRIN KETONE	---	---	---	---	---
GAMMA CHLORDANE	0.54	---	---	1.6	6.5
HEPTACHLOR	0.1	---	---	0.11	0.38
HEPTACHLOR EPOXIDE	0.02	---	---	0.053	0.19
LINDANE	0.06	---	---	0.44	1.7

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Pesticides (continued)					
METHOXYCHLOR	---	---	---	310	3,100
TOXAPHENE	---	---	---	0.44	1.6
SVOCs					
1,2,4-TRICHLOROBENZENE ⁽¹⁾	3.4	---	---	62	220
2,4,5-TRICHLOROPHENOL	0.1	---	---	6,100	62,000
2,4,6-TRICHLOROPHENOL	---	---	---	6.1	62
2,4-DICHLOROPHENOL	0.4	---	---	180	1,800
2,4-DIMETHYLPHENOL	---	---	---	1,200	12,000
2,4-DINITROPHENOL	0.2	---	---	120	1,200
2,4-DINITROTOLUENE	---	---	---	0.72 ⁽³⁾	2.5 ⁽³⁾
2,6-DINITROTOLUENE	1	---	---	0.72 ⁽³⁾	2.5 ⁽³⁾
2-CHLORONAPHTHALENE	---	---	---	4,900	23,000
2-CHLOROPHENOL	0.8	---	---	63	240
2-METHYLNAPHTHALENE	36	---	---	---	---
2-NITROANILINE (O-NITROANILINE)	0.43	---	---	180	1,800
2-NITROPHENOL	0.33	---	---	---	---
3,3'-DICHLOROBENZIDINE	---	---	---	1.1	3.8
3-NITROANILINE (M-NITROANILINE)	0.5	---	---	18	82
4,6-DINITRO-2-METHYLPHENOL	---	---	---	6.1	62
4-BROMOPHENYL PHENYL ETHER	---	---	---	---	---
4-CHLORO-3-METHYLPHENOL	0.24	---	---	---	---
4-CHLOROANILINE	0.22	---	---	240	2,500
4-CHLOROPHENYL PHENYL ETHER	---	---	---	---	---
4-METHYLPHENOL	0.9	---	---	310	3,100
4-NITROANILINE (P-NITROANILINE)	---	---	---	23	82
4-NITROPHENOL	0.1	---	---	---	---
ACENAPHTHENE	50	---	---	3,700	29,000
ACENAPHTHYLENE	41	---	---	---	---
ANTHRACENE	50	---	9	22,000	100,000
BENZO(A)ANTHRACENE	0.224	---	2.9	0.62	2.1
BENZO(A)PYRENE	0.061	---	3.9	0.062	0.21
BENZO(B)FLUORANTHENE	1.1	---	4.4	0.62	2.1
BENZO(G,H,I)PERYLENE	50	---	1.5	---	---
BENZO(K)FLUORANTHENE	1.1	---	3.7	6.2	21
BIS(2-CHLORO-1-METHYLETHYL)ETHER	---	---	---	2.9	7.4
BIS(2-CHLOROETHOXY)METHANE	---	---	---	---	---
BIS(2-CHLOROETHYL) ETHER	---	---	---	---	---
BIS(2-CHLOROISOPROPYL)ETHER	---	---	---	2.9	7.4
BIS(2-ETHYLHEXYL)PHTHALATE	50	---	2.1	35	120
BUTYL BENZYL PHTHALATE	50	---	9	12,000	100,000
CARBAZOLE	---	---	9	24	86
CHRYSENE	0.4	---	3.6	62	210
DI-N-BUTYL PHTHALATE	8.1	---	9	6,100	62,000
DI-N-OCTYL PHTHALATE	50	---	---	2,400	25,000
DIBENZO(A,H)ANTHRACENE	0.014	---	9	0.062	0.21
DIBENZOFURAN	6.2	---	---	150	1,600
DIETHYL PHTHALATE	7.1	---	---	49,000	100,000
DIMETHYL PHTHALATE	2	---	---	100,000	100,000

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SVOCs (continued)					
FLUORANTHENE	50	---	7.6	2,300	22,000
FLUORENE	50	---	---	2,700	26,000
HEXACHLOROBENZENE	0.41	---	---	0.3	1.1
HEXACHLOROBUTADIENE	---	---	---	6.2	22
HEXACHLOROCYCLOPENTADIENE	---	---	---	370	3,700
HEXACHLOROETHANE	---	---	---	35	120
INDENO(1,2,3-CD)PYRENE	3.2	---	1.7	0.62	2.1
ISOPHORONE	4.4	---	---	510	510
N-NITROSODI-N-PROPYLAMINE	---	---	---	0.069	0.25
N-NITROSODIPHENYLAMINE	---	---	---	99	350
NAPHTHALENE	13	---	---	56	190
NITROBENZENE	0.2	---	---	20	100
O-CRESOL (2-METHYLPHENOL)	0.1	---	---	3,100	31,000
PENTACHLOROPHENOL	1	---	---	3	9
PHENANTHRENE	50	---	4.2	---	---
PHENOL	0.03	---	---	18,000	100,000
PYRENE	50	---	5.8	2,300	29,000
VOCs					
1,1,1-TRICHLOROETHANE	0.8	---	---	1,200	1,200
1,1,2,2-TETRACHLOROETHANE	0.6	---	---	0.41	0.93
1,1,2-TRICHLOROETHANE	---	---	---	0.73	1.6
1,1-DICHLOROETHANE	0.2	---	---	510	1,700
1,1-DICHLOROETHENE	0.4	---	---	120	410
1,2,4-TRIMETHYLBENZENE	---	---	---	52	170
1,2-DICHLOROETHENE ⁽¹⁾	7.9	---	---	600	600
1,2-DICHLOROETHANE	0.1	---	---	0.28	0.6
1,2-DICHLOROPROPANE	---	---	---	0.34	0.74
1,3,5-TRIMETHYLBENZENE	---	---	---	21	70
1,3-DICHLOROETHENE ⁽¹⁾	1.6	---	---	530	600
1,4-DICHLOROETHENE ⁽¹⁾	8.5	---	---	3.4	7.9
2-HEXANONE	---	---	---	---	---
ACETONE	0.2	---	---	14,000	54,000
BENZENE	0.06	---	---	0.64	1.4
BROMODICHLOROMETHANE	---	---	---	0.82	1.8
BROMOFORM	---	---	---	62	220
CARBON DISULFIDE	2.7	---	---	360	720
CARBON TETRACHLORIDE	0.6	---	---	0.25	0.55
CHLOROBENZENE	1.7	---	---	150	530
CHLOROETHANE	1.9	---	---	3	6.5
CHLOROFORM	0.3	---	---	0.22	0.47
CIS-1,2-DICHLOROETHENE	---	---	---	43	150
CIS-1,3-DICHLOROPROPENE	---	---	---	0.78 ⁽⁴⁾	1.8 ⁽⁴⁾
ETHYLBENZENE	5.5	---	---	400	400
ISOPROPYLBENZENE (CUMENE)	2.3	---	---	570	2,000
METHYL BROMIDE (BROMOMETHANE)	---	---	---	3.9	13
METHYL CHLORIDE (CHLOROMETHANE)	---	---	---	47	160
METHYL ETHYL KETONE (2-BUTANONE)	0.3	---	---	22,000	110,000
METHYL TERTIARY BUTYL ETHER	---	---	---	32	70

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VOCs (continued)					
METHYL-ISO-BUTYL KETONE (4-METHYL-2-PENTANONE)	1	---	---	5,300	47,000
METHYLENE CHLORIDE	0.1	---	---	9.1	21
M,P-XYLENE	1.2 ⁽²⁾	---	---	270 ⁽²⁾	420 ⁽²⁾
N-BUTYLBENZENE	---	---	---	240	240
N-PROPYLBENZENE	---	---	---	240	240
O-XYLENE	1.2 ⁽²⁾	---	---	270 ⁽²⁾	420 ⁽²⁾
P-ISOPROPYLTOLUENE	---	---	---	---	---
SEC-BUTYLBENZENE	---	---	---	220	220
STYRENE	---	---	---	1,700	1,700
TERT-BUTYLBENZENE	---	---	---	390	390
TETRACHLOROETHENE	1.4	---	---	0.48	1.3
TOLUENE	1.5	---	---	520	520
TRANS-1,2-DICHLOROETHENE	0.3	---	---	69	230
TRANS-1,3-DICHLOROPROPENE	---	---	---	0.78 ⁽⁴⁾	1.8 ⁽⁴⁾
TRICHLOROETHENE	0.7	---	---	0.053	0.11
VINYL ACETATE	---	---	---	430	1,400
VINYL CHLORIDE	0.2	---	---	0.079 ⁽⁵⁾	0.75 ⁽⁶⁾
XYLENES (TOTAL)	1.2	---	---	270	420

(a): Screening Levels from NYDEC TAGM #4046 (Determination of Soil Cleanup Objectives and Cleanup Levels)

(b): Maximum background concentration, *Final SI/RA Report Addendum* for the Former APCO property (Rochester, NY)

(c): EPA Region IX PRGs

SB: Site Background

(1): Analyzed as SVOC or VOC

(2): Total Xylenes

(3): 2,4-DNT and 2,6-DNT mixture

(4): 1,3-dichloropropane

(5): Child/adult

(6): Adult