

## APPENDIX

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### C. Soil Cleanup Objectives (SCOs)

**Table 7  
Wastebeds 1-8  
Remediation Goals**

Parameter	Part 375 Protection of Groundwater <sup>1</sup>	Part 375 Restricted Residential <sup>1</sup>	Part 375 Commercial <sup>1</sup>	Part 375 Protection of Ecological Resources <sup>1</sup>
<b>Volatile Organic Compounds (µg/kg)</b>				
Acetone	50	100,000	500,000	2,200
Benzene	60	4,800	44,000	70,000
2-Butanone	120	100,000	500,000	100,000
Ethylbenzene	1,000	41,000	390,000	NS
Methylene Chloride	50	100,000	500,000	12,000
Toluene	700	100,000	500,000	36,000
Xylenes, M & P	1,600	100,000	500,000	260
Xylene, O	1,600	100,000	500,000	260
Xylenes, Total	1,600	100,000	500,000	260
<b>Semivolatile Organic Compounds (µg/kg)</b>				
Benzo(a)anthracene	1,000	1,000	5,600	NS
Benzo(a)pyrene	22,000	1,000	1,000	2,600
Benzo(b)fluoranthene	1,700	1,000	5,600	NS
Benzo(k) fluoranthene	1,700	3,900	56,000	NS
Chrysene	1,000	3,900	56,000	NS
Dibenzo(a,h)anthracene	1,000,000	330	560	NS
Dibenzofuran	210,000	59,000	350,000	NS
1,2-Dichlorobenzene	1,100	100,000	500,000	NS
Fluorene	386,000	100,000	500,000	30,000
Hexachlorobenzene	3,200	1,200	6,000	NS
Indeno(1,2,3-cd)pyrene	8,200	500	5,600	NS
2-Methylphenol	330	100,000	500,000	NS
4- Methylphenol	330	100,000	500,000	NS
Naphthalene	12,000	100,000	500,000	NS

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Phenol	330	100,000	500,000	30,000
<b>Pesticides (µg/kg)</b>				
Alpha-Chlordane	2,900	4,200	24,000	1,300
4,4'-DDD	14,000	13,000	92,000	3.3
4,4'-DDE	17,000	8,900	62,000	3.3
4,4'-DDT	136,000	7,900	47,000	3.3
Dieldrin	100	200	1,400	6
<b>PCBs (µg/kg)</b>				
Aroclor-1248	3,200	1,000	1,000	1,000
Aroclor -1254	3,200	1,000	1,000	1,000
Aroclor -1260	3,200	1,000	1,000	1,000
<b>Inorganic Compounds (mg/kg)</b>				
Arsenic	16	16	16	13
Barium	820	400	400	433
Cadmium	7.5	4.3	9.3	4
Chromium	NS	180	1,500	41
Copper	1,720	270	270	50
Cyanide	40	27	27	NS
Hexavalent Chromium	19	110	400	1
Lead	450	400	1,000	63
Manganese	2,000	2,000	10,000	1,600
Mercury	0.73	0.81	2.8	0.18
Nickel	130	310	310	30
Selenium	4	180	1,500	3.9
Silver	8.3	180	1,500	2

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Zinc	2,480	10,000	10,000	109

Notes:

1 - NYSDEC (2006) Part 375.6 Table 6.8 Soil Cleanup Objectives.

NS = Not developed for this parameter.

**Source: O'Brien & Gere**