Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	3-592-50-R34 09/10/2005	6-593-50-R35 09/10/2005	6-593-50-R78 09/10/2005	2-595-00-R67 09/10/2005	6-597-50-R35 09/10/2005	6-597-50-R67 09/10/2005	6-597-50-L03 09/01/2005	2-600-00-R78 09/09/2005	6-602-50-R35 09/09/2005	6-602-50-R89 09/09/2005	6-602-50-L02 09/09/2005	2-605-00-R67 09/10/2005	2-605-00-L56 09/09/2005	6-608-00-L09 09/10/2005	6-608-00-L35 09/10/2005	1-610-00-C03 09/10/2005	2-610-00-L45 09/15/2005	4-613-00-R34 09/15/2005	6-613-00-L35 09/01/2005
415.1_LK (mg/Kg)																					
Total Organic Carbon	NA	NA	22500	22700	21100	23900	21100	22000	23800	18400	24400	33400	19000	29000	28400	29600	34500	20500	19100	15200	19300
6010B (mg/Kg)																					
ARSENIC	7.5	6	9.4	9.3	10.4	8.4	10.4	8.5	14.8	10.1	8.8	24.4	9.3	57.9	34.5	85.2	75.4	9.0	18.9	5.6	13.1
BARIUM	300	NA	120	109	103	109	111	103	95.7 J	105	118	92.4	110	70.3	81.9	86.6	98.2	109	112	51.6	164 J
CADMIUM	1	0.6	0.55	0.088 U	0.088 U	0.075 U	0.093 U	0.087 U	2.2 J	0.34	1.1	1.3	0.29	13.0	4.9	12.6	8.9	0.089 U	4.5	0.64	2.7 J
CHROMIUM	10	26	32.3 J	21.3 J	53.6 J	21.2 J	40.9 J	20.6 J	56.0 J	33.5	24.4	125	24.7	217 J	159	292 J	283 J	26.2 J	142	17.6	39.0 J
COPPER	25	16	70.6 J	44.3 J	45.1 J	40.7 J	55.7 J	39.1 J	67.0 J	49.6	44.6	92.0	42.6	212 J	150	331 J	261 J	40.7 J	136	31.5	145 J
IRON	2000	20000	32200 J	30100 J	29600 J	28500 J	30900 J	29600 J	32500 J	29400	30500	31500	27200	27900 J	33400	35100 J	48700 J	32200 J	38400	19000	36000 J
LEAD	NA	31	79.1 J	35.4 J	46.4 J	43.7 J	45.6 J	36.2 J	87.4 J	77.6 J	44.2 J	111 J	53.5 J	176 J	153 J	334 J	447 J	33.9 J	240 J	48.7 J	126 J
MANGANESE	NA	460	534 J	672 J	558 J	666 J	569 J	659 J	498 J	541	588	622	553	291 J	407	388 J	547 J	562 J	446	216	595 J
NICKEL	13	16	34.8	31.8	30.3	30.0	31.2	31.2	31.7 J	30.8	34.2	35.3	29.4	31.2	34.7	38.0	44.0	33.0	32.8	15.0	46.2 J
SELENIUM	2	NA	0.83 J-	1.5 J-	0.87 J-	1.2 J-	1.2 J-	0.82 J-	2.4 U	0.86 J-	0.93 J	1.0 J-	0.99 J-	1.3 J-	0.58 J-	1.8 J-	2.2 J-	1.4 J-	0.61 J-	0.52 R	2.9
SILVER	NA	1	0.80	0.28 U	0.31	0.35	0.29 U	0.28 U	0.55	0.27 U	0.27 U	0.41	0.30 U	0.41	0.55	0.68	1.2	0.28 U	0.70	0.27	0.55
ZINC	20	120	242 J	143 J	147 J	143 J	161 J	145 J	286 J	168 J	180 J	268 J	170 J	624 J	462 J	610 J	1200 J	139 J	495 J	109 J	308 J
MERCURY	0.1	0.15	0.24	0.066	0.12	0.11	0.13	0.061	0.90	0.17	0.12	0.24	0.26	0.68	3.2	6.3	3.2	0.028 U	0.56 J	0.14 J	0.34
8081A (ug/Kg)																					
2,4'-DDD	NA	0.22	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	10	5.0 U	5.2 UJ	4.9 U	5.3 U	4.4 U	4.8 U	5.2 U	5.3 U	5.5 U	5.1 U	4.4 U	5.3 UJ
2,4'-DDE	NA	0.22	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 U	4.9 U	5.3 U	4.4 U	4.8 U	6.1 J+	6.9 J+	5.5 U	5.1 U	4.4 U	5.3 UJ
2,4'-DDT	NA	0.22	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 UJ	4.9 U	5.3 U	4.4 U	4.8 U	5.2 U	21	5.5 U	5.1 U	4.4 U	5.3 UJ
4,4'-DDD	2900	0.22	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	39	5.0 U	5.2 U	7.2	13	5.9	11	21	8.5	5.5 U	5.1 U	4.4 U	5.3 UJ
4,4'-DDE	2100	0.22	6.1	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	19	5.6	5.2 U	6.3	9.2	4.6	7.3	27	19	5.5 U	5.1 U	4.4 U	6.4 J
4,4'-DDT	2100	0.22	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	7.4	5.0 U	5.2 UJ	4.9 U	5.3 U	4.4 U	4.8 U	6.4	6.6	5.5 U	5.1 U	4.4 U	5.3 UJ
ALDRIN	41	2.2	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	2.4 U	5.5	2.6 U	2.8 U	2.6 U	2.2 U	2.6 UJ
ALPHA-BHC	110	1.32	2.7 UJ	2.8 U	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.7	2.6 U	2.2 UJ	2.4 U	2.6 UJ	2.6 UJ	2.8 UJ	2.6 U	2.2 U	2.6 UJ
ALPHA-CHLORDANE	NA	0.022	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	2.4 U	2.6 U	2.6 U	2.8 U	2.6 U	2.2 U	2.6 UJ
BETA-BHC	200	1.32	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	3.7	2.6 U	2.2 U	2.4 U	4.1	2.6 U	2.8 U	2.6 U	2.2 U	2.6 UJ
DELTA-BHC	300	1.32	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	4.9	37	23	2.8 U	2.6 U	2.2 U	2.6 UJ
DIELDRIN	44	2.2	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 U	4.9 U	5.3 U	4.4 U	4.8 U	8.8	11	5.5 U	5.1 U	4.4 U	5.3 UJ
ENDOSULFAN I	900	NA	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	2.4 U	2.6 U	2.6 U	2.8 U	2.6 U	2.2 U	2.6 UJ
ENDOSULFAN II	900	NA	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 U	4.9 U	5.3 U	4.4 U	4.8 U	7.0	5.3 U	5.5 U	5.1 U	4.4 U	5.3 UJ
ENDOSULFAN SULFATE	1000	NA	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 UJ	4.9 U	5.3 U	4.4 U	4.8 U	10	5.3 U	5.5 U	5.1 U	4.4 U	5.3 UJ
ENDRIN	100	17.6	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 U	4.9 U	5.3 U	4.4 U	6.3	12	5.3 U	5.5 U	5.1 U	4.4 U	5.3 UJ
ENDRIN ALDEHYDE	NA	NA	5.4 U	5.7 U	5.1 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.2 U	4.9 U	5.3 U	4.4 U	4.8 U	5.2 U	5.3 U	5.5 U	5.1 U	4.4 U	5.3 UJ
GAMMA-BHC	60	1.32	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 UJ	2.9	2.6 U	2.2 U	2.9	3.2	3.2	2.8 U	2.6 U	2.2 U	2.6 UJ
GAMMA-CHLORDANE	540	0.022	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	2.8	2.6 U	2.6 U	2.8 U	2.6 U	2.2 U	2.6 UJ
HEPTACHLOR	100	0.0176	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	2.8	27	2.6 U	2.8 U	2.6 U	2.2 U	2.9 J
HEPTACHLOR EPOXIDE	20	0.0176	2.7 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.6 U	2.2 U	2.4 U	3.7	4.1	2.8 U	2.6 U	2.2 U	2.6 UJ
METHOXYCHLOR	NA	NA	27 U	28 U	26 U	26 U	26 U	26 U	26 U	25 U	26 U	25 U	26 U	22 U	24 U	26 U	26 U	28 U	26 U	22 U	26 UJ
8082 (ug/Kg)																					
AROCLOR 1242	1000	0.0176	160	44	28	41	38	56	210	35	42	180	62	350	220	1700	830	34	290	100	310
AROCLOR 1248	1000	0.0176	27 U	28 U	26 U	26 U	26 U	26 U	26 U	25 U	26 U	25 U	26 U	44 U	48 U	260 U	130 U	28 U	260 U	67 U	26 U
AROCLOR 1254	1000	0.0176	140	28 U	26 U	52	31	56	180	59	52	190	100	230	280	870	620	28 U	340 J	120	270
AROCLOR 1260	1000	0.0176	72 J-	28 UJ	26 UJ	35 J-	26 UJ	47 J-	65	43 J-	32 J-	84 J-	50 J-	82 J-	130 J-	330 J-	250 J-	28 UJ	260 U	67 U	130 J
AROCLOR 1262	1000	0.0176	27 U	28 U	26 U	26 U	26 U	26 U	26 U	25 U	26 U	25 U	26 U	44 U	48 U	260 U	130 U	28 U	260 U	67 U	26 U
AROCLOR 1268	1000	0.0176	27 U	28 U	26 U	26 U	26 U	26 U	26 U	25 U	26 U	25 U	26 U	44 U	48 U	260 U	130 U	28 U	260 U	67 U	180
8270C (ug/Kg)																					
2,4,5-TRICHLOROPHENOL	100	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 UJ	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 U	2200 U	8800 U
2,4,6-TRICHLOROPHENOL	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
2,4-DICHLOROPHENOL	400	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
2,4-DIMETHYLPHENOL	NA	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
2,4-DINITROPHENOL	200	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 UJ	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 U	2200 U	8800 U
2,4-DINITROTOLUENE	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
2,6-DINITROTOLUENE	1000	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
2-CHLORONAPHTHALENE	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
2-CHLOROPHENOL	800	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
2-METHYLNAPHTHALENE	36400	NA	72 J	69 J	34 J	120 J	30 J	36 J	190 J	340 J	27 J	7100	25 J	230 J	4400 J	11000	3600 J	550 U	3400 U	84 J	3500 U
2-METHYLPHENOL	100	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
2-NITROANILINE	430	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 UJ	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 U	2200 U	8800 U
2-NITROPHENOL	330	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
3,3'-DICHLOROBENZIDINE	NA	NA	530 U	560 UJ	510 U	520 U	520 U	520 U	520 UJ	490 U	520 U	4800 UJ	520 U	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 U	3400 UJ	880 U	3500 UJ
3-NITROANILINE	500	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 UJ	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 U	2200 U	8800 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 U	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 U	2200 U	8800 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 U	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
4-CHLORO-3-METHYLPHENOL	240	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
4-CHLOROANILINE	220	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	3-592-50-R34 09/10/2005	6-593-50-R35 09/10/2005	6-593-50-R78 09/10/2005	2-595-00-R67 09/10/2005	6-597-50-R35 09/10/2005	6-597-50-R67 09/10/2005	6-597-50-L03 09/01/2005	2-600-00-R78 09/09/2005	6-602-50-R35 09/09/2005	6-602-50-R89 09/09/2005	6-602-50-L02 09/09/2005	2-605-00-R67 09/10/2005	2-605-00-L56 09/09/2005	6-608-00-L09 09/10/2005	6-608-00-L35 09/10/2005	1-610-00-C03 09/10/2005	2-610-00-L45 09/15/2005	4-613-00-R34 09/15/2005	6-613-00-L35 09/01/2005
4-CHLOROPHENYL PHENYL ETHER	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
4-METHYLPHENOL	900	NA	530 U	560 U	510 U	520 U	520 U	520 U	43 J	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
4-NITROANILINE	NA	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 UJ	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 UJ	2200 U	8800 U
4-NITROPHENOL	100	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 UJ	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 UJ	2200 U	8800 U
ACENAPHTHENE	50000	NA	92 J	140 J	72 J	86 J	39 J	43 J	160 J	110 J	36 J	6500 J	64 J	590 J	3600 J	5900 J	810 J	26 J	210 J	140 J	3500 U
ACENAPHTHYLENE	41000	NA	39 J	560 UJ	510 UJ	27 J	520 UJ	520 UJ	520 U	45 J	520 U	4800 UJ	33 J	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
ACETOPHENONE	NA	NA	45 J	28 J	38 J	28 J	44 J	46 J	520 U	490 UJ	520 UJ	4800 UJ	520 UJ	4300 U	4700 UJ	10000 U	10000 U	42 J	3400 U	880 U	3500 U
ANTHRACENE	50000	NA	180 J	340 J	180 J	430 J	120 J	110 J	580	350 J	75 J	11000 J	170 J	2000 J	6000 J	12000 J	7400 J	66 J	600 J	380 J	300 J
ATRAZINE	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 U	520 U	4800 U	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
BENZALDEHYDE	NA	NA	72 J	69 J	78 UJ	93 J	76 J	93 J	520 UJ	490 UJ	180 J	4800 UJ	520 UJ	4300 UJ	4700 U	10000 UJ	10000 UJ	85 UJ	3400 UJ	880 UJ	3500 UJ
BENZO(A)ANTHRACENE	224	NA	**330 J**	**450 J**	220 J	180 J	190 J	190 J	**500 J**	**470 J**	**270 J**	**2400 J**	**230 J**	**440 J**	**1500 J**	**2500 J**	**1300 J**	160 J	**1200 J**	**440 J**	**540 J**
BENZO(A)PYRENE	61	*28.6*	**420 J**	**510 J**	**250 J**	**220 J**	**310 J**	**240 J**	**400 J**	**530**	**330 J**	**2100 J**	**270 J**	4300 U	**1200 J**	10000 U	10000 U	**180 J**	**950 J**	**400 J**	**460 J**
BENZO(B)FLUORANTHENE	1100	NA	810 J	530 J	320 J	230 J	370 J	300 J	1000	1100	280 J	870 J	260 J	4300 U	650 J	1000 J	990 J	250 J	890 J	480 J	560 J
BENZO(G,H,I)PERYLENE	50000	NA	90 J	130 J	57 J	520 U	78 J	520 U	93 J	490 U	160 J	580 J	60 J	4300 U	4700 UJ	10000 U	10000 U	550 U	380 J	130 J	330 J
BENZO(K)FLUORANTHENE	1100	NA	530 UJ	610 J	270 J	340 J	370 J	410 J	520 UJ	490 UJ	480 J	**1600 J**	420 J	250 J	800 J	**1400 J**	10000 U	230 J	710 J	450 J	520 J
BIPHENYL	NA	NA	38 J	33 J	28 J	35 J	29 J	39 J	46 J	490 U	26 J	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
BIS(2-CHLOROETHYL) ETHER	NA	*0.66*	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
BIS(2-CHLOROISOPROPYL) ETHER	NA	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
BIS(2-ETHYLHEXYL) PHTHALATE	50000	NA	2200	540 J	710	810	670	1300	670	960	500 J	1200 J	2300	4300 UJ	4700 UJ	10000 UJ	10000 UJ	710	3400 UJ	920	11000
BUTYLBENZYL PHTHALATE	50000	NA	180 J	560 UJ	510 U	520 U	27 J	43 J	520 U	490 U	430 J	4800 UJ	36 J	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 U	3400 U	190 J	1300 J
CAPROLACTAM	NA	NA	530 UJ	560 UJ	510 UJ	520 U	520 UJ	520 U	520 U	490 UJ	520 UJ	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 UJ	880 UJ	3500 U
CARBAZOLE	NA	NA	53 J	170 J	72 J	520 UJ	28 J	51 J	85 J	490 U	29 J	1300 J	60 J	4300 UJ	1200 J	1400 J	10000 UJ	61 J	3400 U	69 J	3500 U
CHRYSENE	400	NA	**700**	**900 J**	**850**	**810**	**470 J**	**760**	**690**	**1400**	**500 J**	**6200 J**	**890**	**1300 J**	**4200 J**	**7100 J**	**4000 J**	**730**	**1400 J**	**580 J**	**680 J**
DIBENZ(A,H)ANTHRACENE	14	NA	530 UJ	**64 J**	510 U	520 U	**42 J**	520 U	**32 J**	490 U	**47 J**	4800 U	**25 J**	4300 U	4700 UJ	10000 U	10000 U	550 U	3400 U	**61 J**	3500 U
DIBENZOFURAN	6200	NA	56 J	110 J	52 J	73 J	38 J	33 J	120 J	91 J	520 U	3800 J	45 J	4300 UJ	2000 J	4200 J	10000 UJ	550 UJ	3400 U	880 U	3500 U
DIETHYL PHTHALATE	7100	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
DIMETHYL PHTHALATE	2000	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 U
DI-N-BUTYL PHTHALATE	8100	NA	70 J	560 UJ	27 J	520 UJ	25 J	36 J	520 U	490 U	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	31 J	3400 U	880 U	3500 U
DI-N-OCTYL PHTHALATE	50000	NA	440 J	43 J	510 U	520 U	42 J	520 U	34 J	490 U	28 J	4800 U	77 J	4300 U	4700 UJ	10000 U	10000 U	50 J	3400 U	880 U	480 J
FLUORANTHENE	50000	NA	1200 J	1900 J	1100 J	1500 J	790 J	950 J	1100	2700 J+	850 J+	20000 J	1300 J	1600 J	10000 J	13000 J	4500 J	840 J	2700 J	1200	1300 J
FLUORENE	50000	NA	140 J	200 J	120 J	520 UJ	99 J	520 UJ	290 J	490 UJ	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	57 J	3400 U	200 J	3500 U
HEXACHLOROBENZENE	410	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 U	490 U	520 U	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 U	10000 UJ	550 UJ	3400 U	880 U	3500 U
HEXACHLOROBUTADIENE	NA	*6.6*	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	520 UJ	490 UJ	520 UJ	4800 UJ	520 UJ	4300 UJ	4700 UJ	10000 UJ	10000 UJ	550 UJ	3400 U	880 U	3500 UJ
HEXACHLOROETHANE	NA	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
INDENO(1,2,3-CD)PYRENE	3200	NA	90 J	140 J	63 J	520 U	87 J	50 J	93 J	61 J	160 J	440 J	58 J	4300 U	230 J	10000 U	10000 U	550 U	280 J	140 J	230 J
ISOPHORONE	4400	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
NAPHTHALENE	13000	NA	36 J	71 J	71 J	87 J	39 J	25 J	130 J	75 J	520 U	1100 J	39 J	4300 U	700 J	2300 J	620 J	27 J	3400 U	98 J	3500 U
NITROBENZENE	200	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
N-NITROSODIPHENYLAMINE	NA	NA	530 UJ	560 UJ	510 UJ	520 UJ	520 UJ	520 UJ	540	510	520 U	9700 J	150 J	2800 J	6700 J	17000 J	14000 J	550 UJ	3400 U	230 J	3500 U
PENTACHLOROPHENOL	1000	NA	1300 UJ	1400 UJ	1300 UJ	1300 UJ	1300 UJ	1300 UJ	1300 U	1200 U	1300 U	12000 UJ	1300 UJ	11000 UJ	12000 UJ	26000 UJ	26000 UJ	1400 UJ	8500 U	2200 UJ	8800 U
PHENANTHRENE	50000	NA	650 J	1500 J	660 J	870 J	350 J	410 J	990	1100	400 J	30000 J	560 J	900 J	13000 J	22000 J	6900 J	290 J	500 J	710 J	660 J
PHENOL	30	NA	530 U	560 U	510 U	520 U	520 U	520 U	520 U	490 U	520 U	4800 U	520 U	4300 U	4700 U	10000 U	10000 U	550 U	3400 U	880 U	3500 U
PYRENE	50000	NA	640	1100 J	540	590	470 J	430 J	1200	980	780	8100 J	470 J	880 J	4100 J	6700 J	2400 J	410 J	2400 J	940	1200 J

(1) New York State Department of Environmental Conservation, Technical and Administrative Guidance and Memorandum, # 4046, Revised Jan. 24, 1994 Determination of Soil Cleanup Objectives and Cleanup Levels Values that exceed this criteria are shaded gray and bolded.

(2) New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resoureces, Technical Guidance for Screening Contaminated Sediments, January 1999. Table 1 Human Health Bioaccumulation - Sediment Criteria * Site specific criteria based on site average 22 gOC/Kg. Values that exceed this criteria are shaded teal, with white font, bolded and italics."

Key:

U: Not detected
J: Estimated
J-: Estimated low
J+: Estimated high
R : Rejected

mg/Kg: miligram per kilogram
ug/Kg: microgram per kilogram
mg/L: miligram per liter
ug/L: microgram per liter

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	2-615-00-R23 09/15/2005	2-615-00-L45 09/01/2005	4-617-00-R56 09/15/2005	6-617-00-L02 09/01/2005	2-620-00-R23 09/15/2005	1-620-00-C03 09/15/2005	2-620-00-L23 09/01/2005	4-623-00-R45 09/15/2005	6-623-00-L35 09/02/2005	2-625-00-R56 09/15/2005	6-625-00-L67 09/02/2005	6-627-00-R02 09/15/2005	6-627-00-L02 09/02/2005	2-630-00-R34 09/15/2005	1-630-00-C03 09/15/2005	2-630-00-L12 09/02/2005	4-633-00-R56 09/15/2005	6-633-00-L02 09/15/2005	2-635-00-R67 09/15/2005
415.1_LK (mg/Kg)																					
Total Organic Carbon	NA	NA	19600	23200	24000	21800	17900	18700	16300	22400	20400	21600	21200	19000	24300	12600	18400	24200	11400	19600	14400
6010B (mg/Kg)																					
ARSENIC	7.5	6	9.0	17.2	16.1	11.8 J	9.0	9.2	9.6 J	8.8	8.3	12.7	11.1	11.5	11.6	22.2 J+	36.7	9.0	14.9 J+	11.3 J+	26.3 J+
BARIUM	300	NA	125	103 J	102	171	91.1	96.8	75.0	96.0	98.1 J	94.5	125 J	190	128 J	85.7	94.8	104 J	77.0	151	89.1
CADMIUM	1	0.6	0.15	5.9 J	3.3	2.7	0.070 U	0.18	1.3	0.089 U	0.82 J	1.4	1.1 J	0.44	0.96 J	0.077 UJ	0.097	0.87 J	0.073 UJ	0.099 UJ	0.081 UJ
CHROMIUM	10	26	21.2	105 J	96.7	39.1	17.2	25.7	36.4	17.4	19.9 J	49.0	25.2 J	37.2	22.1 J	14.0 J+	18.2	18.9 J	14.4 J+	41.8 J+	15.4 J+
COPPER	25	16	48.0	113 J	97.4	104	37.5	42.8	63.9	45.6	37.9 J	66.2	47.6 J	61.7	41.5 J	33.6 J	38.9	39.0 J	29.3 J	43.4 J	37.1 J
IRON	2000	20000	29700	39900 J	34500	39400 J	24100	27700	25400 J	25000	27000 J	31300	33900 J	29700	34400 J	22800	25700	27300 J	22200	36900	24700
LEAD	NA	31	55.8 J	179 J	183 J	120 J	43.8 J	66.9 J	83.4 J	41.6 J	34.9 J	141 J	53.8 J	118 J	31.6 J	87.6 J	122 J	30.7 J	45.8 J	44.0 J	72.7 J
MANGANESE	NA	460	709	510 J	551	904	553	530	476	574	487 J	488	709 J	564	784 J	305	454	654 J	394	853	342
NICKEL	13	16	31.9	37.8 J	34.5	46.2 J	26.1	29.7	25.4 J	27.5	28.7 J	31.1	35.9 J	27.2	34.9 J	22.1	25.0	28.4 J	26.2	37.8	25.1
SELENIUM	2	NA	0.61 J-	3.1	1.5 J-	1.3	0.47 R	0.83 J-	0.99	0.59 R	2.0 U	0.59 J-	2.9	0.52 R	2.6 U	0.66 J-	0.71 J-	2.6 U	1.2 J-	1.8 J-	0.78 J-
SILVER	NA	1	0.26 U	0.76	0.44	0.50	0.30	0.29 U	0.30	0.44	0.39	0.36	0.48	0.29	0.49	0.24 U	0.27	0.31	0.23 U	0.31 U	0.26 U
ZINC	20	120	192 J	364 J	326 J	399 J	115 J	152 J	182 J	125 J	129 J	251 J	168 J	286 J	139 J	117 J	146 J	125 J	86.9 J	174 J	143 J
MERCURY	0.1	0.15	0.071 J	1.5	0.28 J	0.15 J	0.061 J	0.18 J	0.30 J	0.062 J	0.11	0.21 J	0.10	0.51 J	0.057	0.44 J	0.22 J	0.040	0.27 J	0.22 J	0.45 J
8081A (ug/Kg)																					
2,4'-DDD	NA	0.22	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 UJ	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 UJ	5.1 U	5.9 U	4.4 UJ	6.1 UJ	4.5 UJ
2,4'-DDE	NA	0.22	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 UJ	5.1 U	5.9 U	4.4 UJ	6.1 UJ	4.5 UJ
2,4'-DDT	NA	0.22	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	5.8 J	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 UJ	5.1 U	5.9 U	4.4 UJ	6.1 UJ	4.5 UJ
4,4'-DDD	2900	0.22	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 U	5.1 U	5.9 U	4.4 U	6.1 U	4.5 U
4,4'-DDE	2100	0.22	5.5 U	6.5	8.3	6.9 NJ	5.3 U	5.4 U	7.3	5.2 U	5.3 U	7.1	5.3 U	5.6 U	6.3 U	4.4 U	5.1 U	5.9 U	4.4 U	6.1 U	4.5 U
4,4'-DDT	2100	0.22	5.5 U	5.2 U	5.1 U	6.5 NJ	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 UJ	5.1 U	5.9 U	4.4 UJ	6.1 UJ	4.5 UJ
ALDRIN	41	2.2	2.8	2.6 U	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
ALPHA-BHC	110	1.32	2.7 U	2.6 U	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
ALPHA-CHLORDANE	NA	0.022	2.7 U	3.0	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
BETA-BHC	200	1.32	2.7 U	2.6 U	2.5 U	3.3 NJ	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 UJ	2.6 U	3.0 U	2.2 UJ	3.0 UJ	2.3 UJ
DELTA-BHC	300	1.32	2.7 U	2.6 U	2.5 U	15 J	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
DIELDRIN	44	2.2	5.5 U	5.2 U	5.3	6.2 NJ	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 U	5.1 U	5.9 U	4.4 U	6.1 U	4.5 U
ENDOSULFAN I	900	NA	2.7 U	2.6 U	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
ENDOSULFAN II	900	NA	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 U	5.1 U	5.9 U	4.4 U	6.1 U	4.5 U
ENDOSULFAN SULFATE	1000	NA	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 U	5.1 U	5.9 U	4.4 U	6.1 U	4.5 U
ENDRIN	100	17.6	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 U	5.1 U	5.9 U	4.4 U	6.1 U	4.5 U
ENDRIN ALDEHYDE	NA	NA	5.5 U	5.2 U	5.1 U	5.7 U	5.3 U	5.4 U	4.4 U	5.2 U	5.3 U	5.1 U	5.3 U	5.6 U	6.3 U	4.4 UJ	5.1 U	5.9 U	4.4 UJ	6.1 UJ	4.5 UJ
GAMMA-BHC	60	1.32	2.7 U	2.6 U	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 UJ	2.6 U	3.0 U	2.2 UJ	3.0 UJ	2.3 UJ
GAMMA-CHLORDANE	540	0.022	2.7 U	2.6 U	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
HEPTACHLOR	100	0.0176	3.2	3.4	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
HEPTACHLOR EPOXIDE	20	0.0176	2.7 U	2.6 U	2.5 U	2.9 U	2.6 U	2.7 U	2.2 U	2.6 U	2.6 U	2.6 U	2.6 U	2.8 U	3.1 U	2.2 U	2.6 U	3.0 U	2.2 U	3.0 U	2.3 U
METHOXYCHLOR	NA	NA	27 U	26 U	25 U	29 U	26 U	27 U	22 U	26 U	26 U	26 U	26 U	28 U	31 U	22 U	26 U	30 U	22 U	30 U	23 U
8082 (ug/Kg)																					
AROCLOR 1242	1000	0.0176	330	380	410	840	47	75	120	84	34	230	34	76	31 U	22 U	26 U	30 U	22 U	32	23 U
AROCLOR 1248	1000	0.0176	27 U	52 U	51 U	57 U	26 U	27 U	22 U	26 U	26 U	26 U	26 U	28 U	31 U	22 U	26 U	30 U	22 U	30 U	23 U
AROCLOR 1254	1000	0.0176	270	430	450	490	43	90	130	66	45	230	36	65	31 U	22 U	26 U	30 U	22 U	59	23 U
AROCLOR 1260	1000	0.0176	27 U	110	170	57 U	26 U	60	76 J	26 U	26 U	120	26 U	43	31 U	22 UJ	26 U	30 U	22 UJ	30 UJ	23 UJ
AROCLOR 1262	1000	0.0176	62	52 U	51 U	130 J	26 U	27 U	22 U	27	26 U	26 U	26 U	28 U	31 U	22 U	26 U	30 U	22 U	50	23 U
AROCLOR 1268	1000	0.0176	27 U	52 U	51 U	57 U	26 U	27 U	22 U	26 U	26 U	26 U	26 U	28 U	31 U	22 U	26 U	30 U	22 U	30 U	23 U
8270C (ug/Kg)																					
2,4,5-TRICHLOROPHENOL	100	NA	1400 U	2600 U	13000 U	2900 U	1300 U	1300 U	1100 U	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 U	6400 U	1500 U	2200 U	1500 U	5600 U
2,4,6-TRICHLOROPHENOL	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2,4-DICHLOROPHENOL	400	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2,4-DIMETHYLPHENOL	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2,4-DINITROPHENOL	200	NA	1400 U	2600 U	13000 U	2900 U	1300 U	1300 U	1100 UJ	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 UJ	6400 U	1500 U	2200 UJ	1500 UJ	5600 UJ
2,4-DINITROTOLUENE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2,6-DINITROTOLUENE	1000	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2-CHLORONAPHTHALENE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2-CHLOROPHENOL	800	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2-METHYLNAPHTHALENE	36400	NA	26 J	310 J	230 J	1100 U	26 J	68 J	51 J	28 J	520 U	200 J	26 J	94 J	620 U	45 J	2500 U	130 J	870 U	39 J	2200 U
2-METHYLPHENOL	100	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
2-NITROANILINE	430	NA	1400 U	2600 U	13000 U	2900 U	1300 U	1300 U	1100 U	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 U	6400 U	1500 U	2200 U	1500 U	5600 U
2-NITROPHENOL	330	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
3,3'-DICHLOROBENZIDINE	NA	NA	540 U	1000 UJ	5000 UJ	1100 U	520 U	530 U	440 U	520 U	520 UJ	2500 U	520 UJ	790 U	620 UJ	430 UJ	2500 U	590 UJ	870 UJ	600 UJ	2200 UJ
3-NITROANILINE	500	NA	1400 U	2600 UJ	13000 U	2900 U	1300 U	1300 U	1100 U	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 U	6400 U	1500 U	2200 U	1500 U	5600 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	1400 U	2600 U	13000 U	2900 U	1300 U	1300 U	1100 U	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 UJ	6400 U	1500 U	2200 UJ	1500 UJ	5600 UJ
4-BROMOPHENYL PHENYL ETHER	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
4-CHLORO-3-METHYLPHENOL	240	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
4-CHLOROANILINE	220	NA	540 U	1000 UJ	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	2-615-00-R23 09/15/2005	2-615-00-L45 09/01/2005	4-617-00-R56 09/15/2005	6-617-00-L02 09/01/2005	2-620-00-R23 09/15/2005	1-620-00-C03 09/15/2005	2-620-00-L23 09/01/2005	4-623-00-R45 09/15/2005	6-623-00-L35 09/02/2005	2-625-00-R56 09/15/2005	6-625-00-L67 09/02/2005	6-627-00-R02 09/15/2005	6-627-00-L02 09/02/2005	2-630-00-R34 09/15/2005	1-630-00-C03 09/15/2005	2-630-00-L12 09/02/2005	4-633-00-R56 09/15/2005	6-633-00-L02 09/15/2005	2-635-00-R67 09/15/2005
4-CHLOROPHENYL PHENYL ETHER	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
4-METHYLPHENOL	900	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
4-NITROANILINE	NA	NA	1400 U	2600 U	13000 UJ	2900 U	1300 U	1300 U	1100 U	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 U	6400 U	1500 U	2200 U	1500 U	5600 U
4-NITROPHENOL	100	NA	1400 U	2600 U	13000 UJ	2900 U	1300 U	1300 U	1100 U	1300 U	1300 U	6400 U	1300 U	2000 U	1600 U	1100 U	6400 U	1500 U	2200 U	1500 U	5600 U
ACENAPHTHENE	50000	NA	58 J	250 J	380 J	1100 U	39 J	65 J	120 J	47 J	27 J	390 J	37 J	320 J	31 J	99 J	1400 J	57 J	69 J	120 J	2200 U
ACENAPHTHYLENE	41000	NA	540 U	1000 U	5000 U	1100 U	25 J	27 J	47 J	520 U	520 U	2500 U	520 U	51 J	620 U	37 J	2500 U	590 U	870 U	41 J	2200 U
ACETOPHENONE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	35 J	520 U	520 U	2500 U	520 U	790 U	620 U	430 UJ	2500 U	590 U	870 U	600 UJ	2200 U
ANTHRACENE	50000	NA	94 J	510 J	910 J	140 J	120 J	180 J	370 J	100 J	54 J	920 J	80 J	830	57 J	310 J	1200 J	75 J	110 J	270 J	2200 U
ATRAZINE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
BENZALDEHYDE	NA	NA	540 UJ	1000 UJ	5000 UJ	1100 UJ	520 UJ	530 UJ	130 J	520 UJ	520 UJ	2500 UJ	520 UJ	790 UJ	620 UJ	430 UJ	2500 U	590 UJ	870 UJ	83 J	2200 UJ
BENZO(A)ANTHRACENE	224	NA	320 J	820 J	1100 J	340 J	320 J	380 J	550	310 J	200 J	990 J	240 J	600 J	200 J	380 J	1000 J	240 J	560 J	600 J	610 J
BENZO(A)PYRENE	61	28.6	370 J	700 J	970 J	310 J	360 J	350 J	560	330 J	200 J	880 J	240 J	480 J	210 J	380 J	590 J	250 J	330 J	630 J	220 J
BENZO(B)FLUORANTHENE	1100	NA	540 J	1500 J+	830 J	460 J	510 J	360 J	560	360 J	300 J	1100 J	270 J	610 J	300 J	420 J	570 J	370 J	300 J	960 J	160 J
BENZO(G,H,I)PERYLENE	50000	NA	320 J	140 J	610 J	200 J	160 J	180 J	240 J	140 J	210 J	330 J	180 J	150 J	170 J	140 J	410 J	170 J	96 J	250 J	2200 UJ
BENZO(K)FLUORANTHENE	1100	NA	370 J	1000 R	1100 J	350 J	380 J	430 J	620	440 J	240 J	860 J	320 J	550 J	250 J	520 J	360 J	240 J	280 J	820 J	150 J
BIPHENYL	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	27 J	35 J	520 U	520 U	2500 U	520 U	790 U	620 U	25 J	2500 U	29 J	870 U	37 J	2200 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
BIS(2-CHLOROETHYL) ETHER	NA	0.66	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
BIS(2-CHLOROISOPROPYL) ETHER	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
BIS(2-ETHYLHEXYL) PHTHALATE	50000	NA	1600	1500	5000 UJ	7000	510 J	1100	1700	400 J	330 J	1300 J	440 J	620 J	370 J	1200 UJ	2500 UJ	430 J	870 UJ	1800 UJ	2200 UJ
BUTYLBENZYL PHTHALATE	50000	NA	330 J	1000 U	5000 U	1000 J	35 J	110 J	270 J	44 J	520 U	2500 U	520 UJ	790 U	620 UJ	42 J	2500 U	590 UJ	870 U	600 U	2200 U
CAPROLACTAM	NA	NA	540 U	1000 U	5000 UJ	1100 U	520 UJ	530 UJ	440 U	520 UJ	520 U	2500 UJ	520 U	790 UJ	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
CARBAZOLE	NA	NA	29 J	1000 U	5000 U	1100 U	37 J	26 J	440 U	39 J	520 U	2500 U	27 J	110 J	37 J	46 J	2500 U	37 J	870 UJ	120 J	2200 UJ
CHRYSENE	400	NA	510 J	1100	1200 J	490 J	460 J	510 J	800	420 J	340 J	1200 J	410 J	770 J	360 J	500 J	1100 J	390 J	550 J	850 J	630 J
DIBENZ(A,H)ANTHRACENE	14	NA	72 J	1000 UJ	5000 U	61 J	53 J	79 J	82 J	41 J	79 J	160 J	57 J	64 J	50 J	44 J	250 J	74 J	46 J	93 J	2200 U
DIBENZOFURAN	6200	NA	31 J	140 J	5000 U	1100 U	25 J	32 J	32 J	26 J	520 U	190 J	520 U	70 J	620 U	65 J	560 J	590 U	870 U	91 J	2200 U
DIETHYL PHTHALATE	7100	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
DIMETHYL PHTHALATE	2000	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
DI-N-BUTYL PHTHALATE	8100	NA	37 J	1000 U	5000 U	110 J	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
DI-N-OCTYL PHTHALATE	50000	NA	210 J	1000 U	5000 U	290 J	36 J	27 J	440 U	30 J	26 J	2500 U	520 UJ	790 U	31 J	21 J	2500 U	33 J	870 U	49 J	2200 U
FLUORANTHENE	50000	NA	890	2000	2900 J	820 J	990	930	1200	950	590	2700	640	2200	570 J	950 J	2400 J	600	320 J	1800 J	330 J
FLUORENE	50000	NA	85 J	290 J	5000 U	68 J	72 J	160 J	240 J	78 J	36 J	2500 U	51 J	520 J	41 J	190 J	1200 J	45 J	870 U	190 J	2200 U
HEXACHLOROBENZENE	410	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
HEXACHLOROBUTADIENE	NA	6.6	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	540 U	1000 R	5000 U	1100 U	520 U	530 UJ	440 U	520 U	520 UJ	2500 U	520 UJ	790 U	620 UJ	430 UJ	2500 U	590 UJ	870 UJ	600 UJ	2200 UJ
HEXACHLOROETHANE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
INDENO(1,2,3-CD)PYRENE	3200	NA	270 J	140 J	560 J	160 J	160 J	170 J	240 J	130 J	170 J	370 J	160 J	160 J	140 J	140 J	350 J	130 J	99 J	240 J	2200 UJ
ISOPHORONE	4400	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
NAPHTHALENE	13000	NA	540 U	120 J	5000 U	1100 U	26 J	47 J	97 J	520 U	520 U	2500 U	520 U	150 J	620 U	86 J	200 J	76 J	870 U	98 J	2200 U
NITROBENZENE	200	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
N-NITROSODIPHENYLAMINE	NA	NA	540 U	900 J	1500 J	110 J	66 J	180 J	760	520 U	520 U	2200 J	520 U	790 U	620 U	400 J	2500 U	590 U	870 U	120 J	2200 U
PENTACHLOROPHENOL	1000	NA	1400 U	2600 U	13000 U	2900 U	1300 UJ	1300 UJ	1100 U	1300 UJ	1300 U	6400 UJ	1300 U	2000 UJ	1600 U	1100 UJ	6400 U	1500 U	2200 UJ	1500 UJ	5600 UJ
PHENANTHRENE	50000	NA	450 J	960 J	1500 J	360 J	460 J	460 J	520	440 J	270 J	1700 J	360 J	1700 J+	320 J	600 J	4200 J+	370 J	110 J	1000 J	340 J
PHENOL	30	NA	540 U	1000 U	5000 U	1100 U	520 U	530 U	440 U	520 U	520 U	2500 U	520 U	790 U	620 U	430 U	2500 U	590 U	870 U	600 U	2200 U
PYRENE	50000	NA	880	2300 J+	2400 J	890 J	660	770	1400	620	670	2000 J	780 J	1400	690 J	750 J	2200 J	770 J	780 J	1200 J	530 J

(1) New York State Department of Environmental Conservation, Technical and Administrative Guidance and Memorandum, # 4046, Revised Jan. 24, 1994 Determination of Soil Cleanup Objectives and Cleanup Levels Values that exceed this criteria are shaded gray and bolded.

(2) New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resoureces, Technical Guidance for Screening Contaminated Sediments, January 1999. Table 1 Human Health Bioaccumulation - Sediment Criteria * Site specific criteria based on site average 22 gOC/Kg. Values that exceed this criteria are shaded teal, with white font, bolded and italics."

Key:

U: Not detected	mg/Kg: miligram per kilogram
J: Estimated	ug/Kg: microgram per kilogram
J-: Estimated low	mg/L: miligram per liter
J+: Estimated high	ug/L: microgram per liter
R : Rejected	

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	2-635-00-L45 09/15/2005	4-638-00-R12 09/15/2005	6-638-00-L02 09/15/2005	2-640-00-R34 09/16/2005	1-640-00-C03 09/16/2005	6-642-50-L35 09/16/2005	7-645-00-C35 09/16/2005	2-645-00-L78 09/16/2005	4-646-00-L45 09/16/2005	1-647-00-C07 09/16/2005	3-647-00-L89 09/10/2005	7-648-50-C35 09/16/2005	3-648-50-L67 09/10/2005	4-648-00-L89 09/10/2005	1-650-00-C07 09/16/2005	2-650-00-L78 09/10/2005	4-652-00-L11 09/10/2005	2-655-00-R02 09/01/2005	2-655-00-L34 09/01/2005
415.1_LK (mg/Kg)																					
Total Organic Carbon	NA	NA	27100	11200	19100	14600	22100	22800	25900	20500	25400	24800	23400	22600	33800	24600	22700	22600	26800	17900	21800
6010B (mg/Kg)																					
ARSENIC	7.5	6	20.5 J+	3.2 J+	12.2 J+	7.6 J+	9.5 J+	10.2 J+	9.4	11.3 J+	11.4 J+	9.6	8.2	11.6	17.4	10.9	9.8	14.5	53.0	15.7 J	8.7 J
BARIUM	300	NA	107	18.0	75.3	71.3	83.8	118	114 J	99.1	109	112 J	102	126 J	116	144	111 J	96.6	128	118	106
CADMIUM	1	0.6	5.2 J	0.059 UJ	0.52 J	0.49 J	0.43 J	0.094 UJ	0.078 U	1.0 J	1.6 J	0.080 U	0.087 U	0.085 U	3.2	0.095 U	0.079 U	1.3	5.2	0.51	0.091 U
CHROMIUM	10	26	138 J+	8.0 J+	49.2 J+	27.1 J+	30.1 J+	22.5 J+	21.7 J	41.1 J+	44.7 J+	23.9 J	21.0 J	36.1 J	174 J	27.9 J	24.7 J	119	292	43.5	21.5
COPPER	25	16	134 J	17.9 J	55.6 J	36.7 J	44.2 J	43.3 J	42.6 J	57.7 J	63.8 J	44.1 J	42.8 J	48.7 J	198 J	48.4 J	43.3 J	127	317	782	39.5
IRON	2000	20000	42400	12500	33900	21900	25900	31300	28800 J	30000	32600	29500 J	31000 J	29600 J	50300 J	37400 J	28700 J	30300	56000	39300 J	27800 J
LEAD	NA	31	231 J	10.9 J	74.8 J	65.3 J	67.4 J	40.7 J	34.9 J	89.0 J	96.8 J	35.3 J	36.9 J	47.9 J	401 J	54.7 J	46.9 J	146 J	529 J	1120 J	43.6 J
MANGANESE	NA	460	537	441	568	375	619	686	728 J	523	605	670 J	590 J	645 J	624 J	781 J	632 J	548	632	513	694
NICKEL	13	16	38.2	15.9	29.1	22.6	23.4	33.4	32.0 J	28.3	31.7	32.9 J	33.1	31.8 J	42.6	38.0	31.6 J	31.2	51.1	33.3 J	30.2 J
SELENIUM	2	NA	2.0 J-	0.41 J-	0.81 J-	0.54 UJ	0.59 UJ	1.2 J-	0.52 U	0.85 J-	0.85 J-	1.1	1.2 J-	0.81	1.6 J-	1.4 J-	0.74	0.63 J-	1.9 J-	1.4	1.1
SILVER	NA	1	0.52	0.19 U	0.22	0.26 U	0.28 U	0.30 U	0.25 U	0.26	0.29	0.25 U	0.28	0.27 U	1.2	0.30 U	0.25 U	0.28	1.4	0.66	0.29 U
ZINC	20	120	498 J	56.1 J	204 J	130 J	152 J	146 J	141 J	215 J	198 J	139 J	145 J	143 J	895 J	176 J	142 J	403 J	1120 J	383 J	140 J
MERCURY	0.1	0.15	1.6 J	0.036 J	1.8 J	0.22 J	0.39 J	0.11 J	0.038 J-	0.48 J	0.32 J	0.046 J-	0.075	0.026 UJ	2.5	0.059	0.026 UJ	1.2	0.26	0.27 J	0.083 J
8081A (ug/Kg)																					
2,4'-DDD	NA	0.22	5.5 UJ	4.0 UJ	4.8 UJ	4.6 UJ	5.5 UJ	5.5 UJ	5.8 U	5.0 UJ	5.2 UJ	5.6 U	5.5 U	5.4 U	5.3 U	5.6 U	5.4 UJ	4.7 U	16 U	5.0 U	5.3 U
2,4'-DDE	NA	0.22	5.5 UJ	4.0 UJ	4.8 UJ	4.6 UJ	5.5 UJ	5.5 UJ	5.8 U	5.0 UJ	5.2 UJ	5.6 U	5.5 U	5.4 U	11 J+	5.6 U	5.4 UJ	4.7 U	16 U	5.0 U	5.3 U
2,4'-DDT	NA	0.22	8.6 J-	4.0 UJ	6.5 J-	4.6 UJ	5.5 UJ	5.5 UJ	5.8 U	5.3 J-	5.2 UJ	5.6 U	5.5 U	5.4 U	5.3 U	5.6 U	5.4 UJ	4.7 U	24	5.0 U	5.3 U
4,4'-DDD	2900	0.22	5.5 U	4.0 U	4.8 U	4.6 U	5.5 U	5.5 U	5.8 U	5.0 U	6.2	5.6 U	5.5 U	5.4 U	11	5.6 U	5.4 U	4.7 U	17	5.0 U	5.3 U
4,4'-DDE	2100	0.22	8.5	4.0 U	4.8 U	4.6 U	5.5	5.5 U	5.8 U	8.1	22	5.6 U	5.5 U	5.4 U	15	5.6 U	5.4 U	4.7 U	27	5.9	5.3 U
4,4'-DDT	2100	0.22	5.5 UJ	4.0 UJ	4.8 UJ	4.6 UJ	5.5 UJ	5.5 UJ	5.8 U	5.0 UJ	5.2 UJ	5.6 U	5.5 U	5.4 U	41	5.6 U	5.4 UJ	4.7 U	16 U	5.0 U	5.3 U
ALDRIN	41	2.2	2.7 U	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	2.6 U	2.8 U	2.7 U	2.7 U	2.6 U	2.8 U	2.7 UJ	2.3 U	7.9 U	2.5 U	2.6 U
ALPHA-BHC	110	1.32	2.7 U	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	2.6 U	2.8 U	2.7 U	2.7 U	2.6 UJ	2.8 U	2.7 UJ	2.3 U	7.9 U	2.5 U	2.6 U
ALPHA-CHLORDANE	NA	0.022	2.7 U	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	4.2	2.8 U	2.7 U	2.7 U	3.2	2.8 U	2.7 UJ	2.3 U	7.9 U	2.5 U	2.6 U
BETA-BHC	200	1.32	2.7 UJ	2.0 UJ	2.4 UJ	2.3 UJ	2.7 UJ	2.7 UJ	2.9 U	2.5 UJ	2.6 UJ	2.8 U	2.7 U	2.7 U	2.6 U	2.8 U	2.7 UJ	5.8	7.9 U	2.5 U	2.6 U
DELTA-BHC	300	1.32	9.0	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	2.6 U	2.8 U	2.7 U	2.7 U	2.6 U	2.8 U	2.7 U	2.3 U	7.9 U	2.5 U	2.6 U
DIELDRIN	44	2.2	6.9	4.0 U	4.8 U	4.6 U	5.5 U	5.5 U	5.8 U	5.0 U	5.2 U	5.6 U	5.5 U	5.4 U	24	5.6 U	5.4 UJ	4.7 U	16 U	5.0 U	5.3 U
ENDOSULFAN I	900	NA	3.2	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	2.6 U	2.8 U	2.7 U	2.7 U	2.6 U	2.8 U	2.7 UJ	2.3 U	7.9 U	2.5 U	2.6 U
ENDOSULFAN II	900	NA	5.5 U	4.0 U	4.8 U	4.6 U	5.5 U	5.5 U	5.8 U	5.0 U	5.2 U	5.6 U	5.5 U	5.4 U	5.3 U	5.6 U	5.4 UJ	4.7 U	16 U	5.0 U	5.3 U
ENDOSULFAN SULFATE	1000	NA	5.5 U	4.0 U	4.8 U	4.6 U	5.5 U	5.5 U	5.8 U	5.0 U	5.2 U	5.6 U	5.5 U	5.4 U	9.7	5.6 U	5.4 U	4.7 U	16 U	5.0 U	5.3 U
ENDRIN	100	17.6	5.9	4.0 U	4.8 U	4.6 U	5.5 U	5.5 U	5.8 U	5.0 U	5.2 U	5.6 U	5.5 U	5.4 U	5.3 U	5.6 U	5.4 UJ	4.7 U	16 U	5.0 U	5.3 U
ENDRIN ALDEHYDE	NA	NA	5.5 UJ	4.0 UJ	4.8 UJ	4.6 UJ	5.5 UJ	5.5 UJ	5.8 U	5.0 UJ	5.2 UJ	5.6 U	5.5 U	5.4 U	5.3 U	5.6 U	5.4 U	4.7 U	16 U	5.0 U	5.3 U
GAMMA-BHC	60	1.32	2.7 UJ	2.0 UJ	2.4 UJ	2.3 UJ	2.7 UJ	2.7 UJ	2.9 U	2.5 UJ	2.6 UJ	2.8 U	2.7 U	2.7 U	2.9	2.8 U	2.7 UJ	2.6	7.9 U	2.5 U	2.6 U
GAMMA-CHLORDANE	540	0.022	2.7 U	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	3.0	2.8 U	2.7 U	2.7 U	2.6 U	2.8 U	2.7 UJ	3.5	7.9 U	2.5 U	2.6 U
HEPTACHLOR	100	0.0176	2.7 U	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	2.6 U	2.8 U	2.7 U	2.7 U	2.6 U	2.8 U	2.7 UJ	2.3 U	18	2.5 U	2.6 U
HEPTACHLOR EPOXIDE	20	0.0176	2.7 U	2.0 U	2.4 U	2.3 U	2.7 U	2.7 U	2.9 U	2.5 U	2.6 U	2.8 U	2.7 U	2.7 U	6.8	2.8 U	2.7 UJ	2.3 U	7.9 U	2.5 U	2.6 U
METHOXYCHLOR	NA	NA	27 U	20 U	24 U	23 U	27 U	27 U	29 U	25 U	26 U	28 U	27 U	27 U	26 U	28 U	27 U	23 U	79 U	25 U	26 U
8082 (ug/Kg)																					
AROCLOR 1242	1000	0.0176	690	20 U	260	110	150	27 U	29 UJ	200	260	28 U	27 U	27 U	700	28 U	27 U	23 U	1800	100	26 U
AROCLOR 1248	1000	0.0176	82 U	20 U	24 U	23 U	27 U	27 U	29 UJ	25 U	26 U	28 U	27 U	27 U	53 U	28 U	27 U	23 U	260 U	25 U	26 U
AROCLOR 1254	1000	0.0176	700	20 U	260	150	180	27 U	29 UJ	210	300	28 U	28	27 U	860	28 U	33	23 U	1600	120	26 U
AROCLOR 1260	1000	0.0176	230 J-	20 UJ	77 J-	81 J-	98 J-	33 J-	29 UJ	160 J-	130 J-	28 U	28 J-	27 U	270	28 UJ	27 UJ	23 UJ	410 J-	79	26 U
AROCLOR 1262	1000	0.0176	82 U	20 U	24 U	23 U	27 U	27 U	29 UJ	25 U	26 U	28 U	27 U	27 U	53 U	28 U	27 U	23 U	260 U	25 U	26 U
AROCLOR 1268	1000	0.0176	82 U	20 U	24 U	23 U	27 U	27 U	29 UJ	25 U	26 U	28 U	27 U	27 U	53 U	28 U	27 U	23 U	260 U	25 U	26 U
8270C (ug/Kg)																					
2,4,5-TRICHLOROPHENOL	100	NA	14000 U	1000 U	12000 U	2300 U	6800 U	1400 U	1400 U	6300 U	8600 U	1400 U	1400 UJ	1300 U	26000 UJ	1400 UJ	1300 U	12000 UJ	13000 UJ	2100 U	1300 U
2,4,6-TRICHLOROPHENOL	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
2,4-DICHLOROPHENOL	400	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
2,4-DIMETHYLPHENOL	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
2,4-DINITROPHENOL	200	NA	14000 UJ	1000 UJ	12000 UJ	2300 UJ	6800 UJ	1400 UJ	1400 U	6300 UJ	8600 UJ	1400 U	1400 UJ	1300 U	26000 UJ	1400 UJ	1300 U	12000 UJ	13000 UJ	2100 U	1300 UJ
2,4-DINITROTOLUENE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
2,6-DINITROTOLUENE	1000	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
2-CHLORONAPHTHALENE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
2-CHLOROPHENOL	800	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
2-METHYLNAPHTHALENE	36400	NA	960 J	67 J	3800 J	65 J	260 J	37 J	36 J	210 J	310 J	28 J	540 U	30 J	2300 J	33 J	39 J	3800 J	6400 J	140 J	38 J
2-METHYLPHENOL	100	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
2-NITROANILINE	430	NA	14000 U	1000 U	12000 U	2300 U	6800 U	1400 U	1400 U	6300 U	8600 U	1400 U	1400 UJ	1300 U	26000 UJ	1400 UJ	1300 U	12000 UJ	13000 UJ	2100 U	1300 U
2-NITROPHENOL	330	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
3,3'-DICHLOROBENZIDINE	NA	NA	5400 UJ	400 U	4700 UJ	900 U	2700 U	540 U	570 UJ	2500 U	3400 U	560 UJ	540 U	530 UJ	10000 UJ	550 U	530 UJ	4700 UJ	5200 UJ	820 U	520 U
3-NITROANILINE	500	NA	14000 U	1000 U	12000 U	2300 U	6800 U	1400 U	1400 U	6300 U	8600 U	1400 U	1400 UJ	1300 U	26000 UJ	1400 UJ	1300 U	12000 UJ	13000 UJ	2100 U	1300 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	14000 UJ	1000 UJ	12000 UJ	2300 UJ	6800 UJ	1400 UJ	1400 U	6300 UJ	8600 UJ	1400 U	1400 UJ	1300 U	26000 UJ	1400 UJ	1300 U	12000 UJ	13000 UJ	2100 U	1300 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
4-CHLORO-3-METHYLPHENOL	240	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
4-CHLOROANILINE	220	NA	5400 U	400 U	4700 U	76 J	150 J	540 U	570 U	200 J	340 J	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	2-635-00-L45 09/15/2005	4-638-00-R12 09/15/2005	6-638-00-L02 09/15/2005	2-640-00-R34 09/16/2005	1-640-00-C03 09/16/2005	6-642-50-L35 09/16/2005	7-645-00-C35 09/16/2005	2-645-00-L78 09/16/2005	4-646-00-L45 09/16/2005	1-647-00-C07 09/16/2005	3-647-00-L89 09/10/2005	7-648-50-C35 09/16/2005	3-648-50-L67 09/10/2005	4-648-00-L89 09/10/2005	1-650-00-C07 09/16/2005	2-650-00-L78 09/10/2005	4-652-00-L11 09/10/2005	2-655-00-R02 09/01/2005	2-655-00-L34 09/01/2005
4-CHLOROPHENYL PHENYL ETHER	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
4-METHYLPHENOL	900	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 UJ	550 UJ	530 U	4700 U	5200 U	820 U	520 U
4-NITROANILINE	NA	NA	14000 U	1000 U	12000 U	2300 U	6800 U	1400 U	1400 UJ	6300 U	8600 U	1400 UJ	1400 UJ	1300 UJ	26000 UJ	1400 UJ	1300 UJ	12000 UJ	13000 UJ	2100 U	1300 U
4-NITROPHENOL	100	NA	14000 U	1000 U	12000 U	2300 U	6800 U	1400 U	1400 UJ	6300 U	8600 U	1400 UJ	1400 UJ	1300 UJ	26000 U	1400 U	1300 UJ	12000 UJ	13000 UJ	2100 U	1300 U
ACENAPHTHENE	50000	NA	1000 J	87 J	2000 J	96 J	980 J	69 J	44 J	280 J	210 J	34 J	540 UJ	36 J	10000 UJ	30 J	66 J	5200 J	2200 J	430 J	61 J
ACENAPHTHYLENE	41000	NA	5400 U	70 J	4700 U	69 J	2700 U	26 J	570 U	130 J	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	100 J	520 U
ACETOPHENONE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	35 J	530 U	10000 U	44 J	530 U	4700 U	5200 U	54 J	28 J
ANTHRACENE	50000	NA	3300 J	190 J	4300 J	370 J	2000 J	120 J	78 J	740 J	540 J	64 J	55 J	80 J	5400 J	99 J	120 J	11000 J	7100 J	920	110 J
ATRAZINE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
BENZALDEHYDE	NA	NA	5400 UJ	400 U	4700 UJ	900 UJ	2700 UJ	140 J	65 UJ	2500 UJ	3400 UJ	64 UJ	72 J	63 UJ	10000 UJ	110 UJ	66 UJ	4700 UJ	5200 U	820 UJ	120 J
BENZO(A)ANTHRACENE	224	NA	**2800 J**	**810 J**	**2300 J**	**920 J**	**1600 J**	**440 J**	**290 J**	**1100 J**	**1000 J**	**240 J**	150 J	220 J	**1300 J**	**230 J**	**290 J**	**2200 J**	**1200 J**	**1700**	**350 J**
BENZO(A)PYRENE	61	*28.6*	**2100 J**	**600 J**	**1600 J**	**870 J**	**1400 J**	**480 J**	**310 J**	**1100 J**	**1000 J**	**280 J**	**220 J**	**210 J**	10000 U	**270 J**	**310 J**	**1300 J**	**1200 J**	**1500**	**400 J**
BENZO(B)FLUORANTHENE	1100	NA	**2500 J**	690 J	**1500 J**	930 J	1100 J	770 J	360 J	**1200 J**	870 J	380 J	260 J	230 J	10000 U	360 J	290 J	780 J	480 J	**1800**	550
BENZO(G,H,I)PERYLENE	50000	NA	730 J	150 J	360 J	310 J	620 J	210 J	190 J	520 J	590 J	200 J	540 U	180 J	10000 U	71 J	240 J	4700 UJ	5200 U	570 J	180 J
BENZO(K)FLUORANTHENE	1100	NA	**2200 J**	650 J	**2000 J**	900 J	**1500 J**	550 J	340 J	1100 J	1100 J	270 J	280 J	260 J	10000 U	370 J	370 J	1100 J	940 J	**1700**	470 J
BIPHENYL	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	25 J	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	43 J	29 J
BIS(2-CHLOROETHOXY)METHANE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
BIS(2-CHLOROETHYL) ETHER	NA	*0.66*	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
BIS(2-CHLOROISOPROPYL) ETHER	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
BIS(2-ETHYLHEXYL) PHTHALATE	50000	NA	5400 UJ	990 UJ	4700 UJ	900 UJ	2700 UJ	1900 UJ	390 J	2500 UJ	3400 UJ	350 J	700	230 J	10000 UJ	920	500 J	4700 UJ	2200 J	1200	670
BUTYLBENZYL PHTHALATE	50000	NA	5400 U	400 U	4700 U	900 U	2700 U	28 J	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 UJ	550 U	27 J	4700 UJ	5200 UJ	820 U	520 U
CAPROLACTAM	NA	NA	5400 U	400 U	4700 U	900 UJ	2700 UJ	540 UJ	570 UJ	2500 UJ	3400 UJ	560 UJ	540 U	530 UJ	10000 UJ	550 UJ	530 UJ	4700 UJ	5200 UJ	820 U	520 U
CARBAZOLE	NA	NA	5400 UJ	43 J	490 J	52 J	180 J	71 J	33 J	2500 UJ	3400 UJ	27 J	540 UJ	530 U	10000 UJ	550 UJ	39 J	4700 UJ	5200 UJ	84 J	42 J
CHRYSENE	400	NA	**3100 J**	**770 J**	**2300 J**	**1000 J**	**1700 J**	**620 J**	**440 J**	**1300 J**	**1200 J**	380 J	**680**	300 J	**3500 J**	**850**	390 J	**5500 J**	***3600 J***	**2200**	**570**
DIBENZ(A,H)ANTHRACENE	14	NA	**320 J**	**75 J**	**220 J**	**100 J**	**190 J**	**64 J**	**63 J**	**140 J**	3400 U	**59 J**	540 U	**51 J**	10000 U	550 U	**68 J**	4700 UJ	5200 U	**150 J**	**63 J**
DIBENZOFURAN	6200	NA	710 J	53 J	1500 J	900 U	290 J	43 J	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	32 J	34 J	3400 J	1600 J	110 J	36 J
DIETHYL PHTHALATE	7100	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
DIMETHYL PHTHALATE	2000	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
DI-N-BUTYL PHTHALATE	8100	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	33 J	530 U	4700 UJ	5200 UJ	820 U	520 U
DI-N-OCTYL PHTHALATE	50000	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 UJ	5200 U	820 U	520 U
FLUORANTHENE	50000	NA	7200 J	1600 J	7200 J	2100 J	4700 J	1400 J	710 J	2900 J	2500 J	650 J	780 J	510 J	4600 J	1100 J	690 J	18000 J	6500 J	4500	940
FLUORENE	50000	NA	5400 U	170 J	4100 J	900 U	1900 J	95 J	65 J	450 J	290 J	53 J	59 J	68 J	10000 UJ	75 J	100 J	4700 UJ	5200 UJ	550 J	84 J
HEXACHLOROBENZENE	410	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
HEXACHLOROBUTADIENE	NA	*6.6*	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	5400 UJ	400 UJ	4700 UJ	900 UJ	2700 UJ	540 UJ	570 U	2500 UJ	3400 UJ	560 U	540 UJ	530 U	10000 UJ	550 UJ	530 U	4700 UJ	5200 UJ	820 U	520 U
HEXACHLOROETHANE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
INDENO(1,2,3-CD)PYRENE	3200	NA	660 J	180 J	390 J	310 J	690 J	200 J	180 J	450 J	540 J	190 J	540 U	160 J	10000 U	71 J	200 J	4700 UJ	290 J	500 J	190 J
ISOPHORONE	4400	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
NAPHTHALENE	13000	NA	520 J	85 J	540 J	85 J	230 J	37 J	27 J	210 J	3400 U	26 J	540 U	84 J	10000 U	28 J	45 J	1000 J	750 J	160 J	26 J
NITROBENZENE	200	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 UJ	820 U	520 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
N-NITROSODIPHENYLAMINE	NA	NA	5800 J+	140 J	4700 U	400 J	550 J	540 U	570 U	810 J	550 J	560 U	540 UJ	530 U	18000 J	550 UJ	530 U	5400 J	12000 J	820 U	520 U
PENTACHLOROPHENOL	1000	NA	14000 UJ	1000 UJ	12000 UJ	2300 UJ	6800 UJ	1400 UJ	1400 U	6300 UJ	8600 UJ	1400 U	1400 UJ	1300 U	26000 UJ	1400 UJ	1300 U	12000 UJ	13000 UJ	2100 U	1300 U
PHENANTHRENE	50000	NA	4500 J	240 J	11000 J	450 J	4100 J	680 J	400 J	1500 J	1300 J	330 J	270 J	300 J	4400 J	390 J	420 J	26000 J	11000 J	3100	510 J
PHENOL	30	NA	5400 U	400 U	4700 U	900 U	2700 U	540 U	570 U	2500 U	3400 U	560 U	540 U	530 U	10000 U	550 U	530 U	4700 U	5200 U	820 U	520 U
PYRENE	50000	NA	5600 J	1100 J	4800 J	1400 J	3200 J	830 J	740 J	2100 J	1700 J	660 J	380 J	560 J	2100 J	510 J	770 J	6000 J	2700 J	4900	890

(1) New York State Department of Environmental Conservation, Technical and Administrative Guidance and Memorandum, # 4046, Revised Jan. 24, 1994 Determination of Soil Cleanup Objectives and Cleanup Levels Values that exceed this criteria are shaded gray and bolded.

(2) New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resoureces, Technical Guidance for Screening Contaminated Sediments, January 1999. Table 1 Human Health Bioaccumulation - Sediment Criteria * Site specific criteria based on site average 22 gOC/Kg. Values that exceed this criteria are shaded teal, with white font, bolded and italics."

Key:

U: Not detected
J: Estimated
J-: Estimated low
J+: Estimated high
R : Rejected

mg/Kg: miligram per kilogram
ug/Kg: microgram per kilogram
mg/L: miligram per liter
ug/L: microgram per liter

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	4-658-00-R02 09/01/2005	4-658-00-L45 09/01/2005	2-660-00-R56 09/01/2005	1-660-00-C05 09/01/2005	2-660-00-L56 09/01/2005	4-662-00-R78 08/30/2005	4-662-00-L56 08/30/2005	2-665-00-R45 08/30/2005	2-665-00-L56 08/30/2005	6-667-00-R35 08/30/2005	6-667-00-R910 08/30/2005	4-668-00-L910 08/30/2005	2-670-00-R67 08/30/2005	1-670-00-C06 08/30/2005	6-672-00-R1213 08/30/2005	6-672-00-R35 08/30/2005	4-673-00-L23 08/30/2005	2-675-00-R45 08/30/2005	6-677-00-R35 08/30/2005
415.1_LK (mg/Kg)																					
Total Organic Carbon	NA	NA	25200	20900	24900	23200	22800	22500	24200	59100	36500	19300	25300	20600	23800	39000	19200	22500	52400	27500	26100
6010B (mg/Kg)																					
ARSENIC	7.5	6	40.1 J	8.8 J	65.0 J	8.4 J	10.4 J	63.5 J	8.6 J	69.9 J-	90.4 J-	9.1 J-	14.6 J-	9.6 J-	14.6 J-	14.3 J-	14.2 J-	9.4 J-	66.7 J-	20.3 J-	45.4 J-
BARIUM	300	NA	204	105	111	102	91.4	92.9	112	93.8	114	103	108	99.9	68.2	98.8	161	112	77.7	105	119
CADMIUM	1	0.6	3.0	0.087 U	0.085 U	0.087 U	0.75	0.080 U	0.086 U	3.1 J	5.7 J	1.1 J	2.5 J	0.97 J	1.2 J	2.3 J	0.16 J	0.10 J	7.7 J	0.67 J	2.2 J
CHROMIUM	10	26	178	20.8	19.7	27.1	42.1	15.8	21.5	417 J	537 J	26.7 J	81.6 J	20.5 J	48.5 J	112 J	65.1 J	26.9 J	229 J	25.9 J	57.7 J
COPPER	25	16	173	41.4	59.5	42.6	61.9	41.7	41.7	469 J	555 J	46.3 J	113 J	39.3 J	64.6 J	148 J	74.4 J	47.9 J	217 J	47.0 J	70.1 J
IRON	2000	20000	58600 J	28800 J	29600 J	28200 J	30100 J	25700 J	28300 J	52700	47700	27300	39400	27400	24900	33300	35400	27300	45200	30300	36300
LEAD	NA	31	223 J	47.1 J	289 J	52.1 J	101 J	149 J	44.8 J	511 J	315 J	58.7 J	182 J	39.4 J	133 J	223 J	118 J	62.4 J	439 J	85.8 J	172 J
MANGANESE	NA	460	648	673	529	541	498	398	685	490	545	479	534	614	722	521	960	569	502	469	474
NICKEL	13	16	37.2 J	30.3 J	32.1 J	30.1 J	29.9 J	27.4 J	31.3 J	53.4	46.1	28.8	35.9	29.6	19.9	34.4	21.8	29.8	36.0	30.2	29.3
SELENIUM	2	NA	1.8	0.91	3.2	0.97	1.2	2.2	1.7	2.3 J	2.4 J	1.1 J	1.7 J	0.65 R	0.68 J	0.89 J	1.6 J	0.57 UJ	1.5 J	1.1 J	1.5 J
SILVER	NA	1	0.58	0.27 U	0.27 U	0.28 U	0.25 U	0.25 U	0.27 U	0.73	0.55	0.27 U	0.28	0.25 U	0.23 U	0.35	0.40	0.31	0.84	0.28 U	0.29 U
ZINC	20	120	645 J	167 J	199 J	153 J	233 J	154 J	143 J	1970 J	611 J	146 J	1120 J	119 J	358 J	649 J	540 J	165 J	1320 J	279 J	722 J
MERCURY	0.1	0.15	2.2 J	0.072 J	0.87 J	0.13 J	0.42 J	0.87 J	0.088 J	14.7 J-	2.1 J	0.25	2.7 J	0.15	2.4	2.0	1.1	0.21	6.9 J	0.46	1.1
8081A (ug/Kg)																					
2,4'-DDD	NA	0.22	62	5.3 U	5.1 U	5.4 UJ	5.2 U	4.9 U	5.3 U	11 J	5.4 UJ	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	6.1 UJ	5.0 U	5.1 U
2,4'-DDE	NA	0.22	19 NJ	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	6.2 J	12 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	6.1 UJ	5.0 U	5.1 U
2,4'-DDT	NA	0.22	31 J	5.3 U	5.1 U	5.4 UJ	6.9 NJ	4.9 U	5.3 U	8.7 J	54 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	6.1 UJ	5.0 U	5.1 U
4,4'-DDD	2900	0.22	6.7 NJ	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	5.6 J	10 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	21 J	5.0 U	5.1 U
4,4'-DDE	2100	0.22	8.1 NJ	5.3 U	5.1 U	7.1	11	4.9 U	5.3 U	5.4 UJ	22 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5	10 J	5.0 U	5.1 U
4,4'-DDT	2100	0.22	40 NJ	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	17 J	10 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	8.6 J	5.0 U	5.1 U
ALDRIN	41	2.2	2.8 U	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	2.7 UJ	7.0 J	2.5 U	2.4 U	2.5 U	2.3 U	2.5 UJ	2.1 U	2.7 U	3.1 J	2.5 U	2.6 U
ALPHA-BHC	110	1.32	2.8 U	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	15 J	2.7 UJ	2.5 U	2.4 U	2.5 U	2.3 U	4.5 J	3.9	2.7 U	3.0 UJ	2.5 U	2.6 U
ALPHA-CHLORDANE	NA	0.022	3.3 NJ	2.6 U	2.6 U	2.7 U	2.7 J	2.4 U	2.6 U	2.7 J	4.6 J	2.5 U	2.4 U	2.5 U	2.3 U	2.5 UJ	2.1 U	2.7 U	3.5 J	2.5 U	2.6 U
BETA-BHC	200	1.32	3.4 NJ	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	29 J	7.0 J	2.5 U	2.4 U	2.5 U	4.5	9.2 J	6.3	2.7 U	5.4 J	2.5 U	2.6 U
DELTA-BHC	300	1.32	11 J	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	3.0 J	2.7 UJ	2.5 U	2.4 U	2.5 U	2.3 U	2.5 UJ	2.1 U	2.7 U	3.0 UJ	2.5 U	2.6 U
DIELDRIN	44	2.2	34 NJ	5.3 U	5.1 U	5.4 U	7.6	4.9 U	5.3 U	35 J	16 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	15 J	5.0 U	5.1 U
ENDOSULFAN I	900	NA	2.8 U	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	7.7 J	2.7 UJ	2.5 U	2.4 U	2.5 U	2.3 U	2.5 UJ	2.1 U	2.7 U	3.0 UJ	2.5 U	2.6 U
ENDOSULFAN II	900	NA	5.6 U	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	6.2 J	13 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	6.1 UJ	5.0 U	5.1 U
ENDOSULFAN SULFATE	1000	NA	5.6 U	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	7.1 J	5.4 UJ	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	6.1 UJ	5.0 U	5.1 U
ENDRIN	100	17.6	24 J	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	5.4 UJ	5.4 UJ	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	9.7 J	5.0 U	5.1 U
ENDRIN ALDEHYDE	NA	NA	5.8 NJ	5.3 U	5.1 U	5.4 U	5.2 U	4.9 U	5.3 U	6.4 J	8.8 J	5.0 U	4.8 U	5.1 U	4.6 U	5.0 UJ	4.3 U	5.5 U	6.1 UJ	5.0 U	5.1 U
GAMMA-BHC	60	1.32	4.3 J	2.6 U	2.6 U	2.7 UJ	2.6 U	2.4 U	2.6 U	5.8 J	2.9 J	2.5 U	2.4 U	2.5 U	2.3 U	3.4 J	3.3	2.7 U	6.2 J	2.5 U	2.6 U
GAMMA-CHLORDANE	540	0.022	2.8 U	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	5.9 J	3.7 J	2.5 U	2.4 U	2.5 U	2.3 U	3.2 J	2.1 U	2.7 U	3.0 UJ	2.5 U	2.6 U
HEPTACHLOR	100	0.0176	5.5	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	5.3 J	32 J	2.5 U	2.4 U	2.5 U	2.3 U	5.2 J	4.6 J	2.7 U	14 J	2.5 U	2.6 U
HEPTACHLOR EPOXIDE	20	0.0176	11 NJ	2.6 U	2.6 U	2.7 U	2.6 U	2.4 U	2.6 U	3.7 J	7.3 J	2.5 U	3.1	2.5 U	2.3 U	2.5 UJ	2.1 U	2.7 U	3.0 UJ	2.5 U	2.6 U
METHOXYCHLOR	NA	NA	28 U	26 U	26 U	27 U	26 U	24 U	26 U	40 J	27 UJ	25 U	24 U	25 U	23 U	25 UJ	21 U	27 U	30 UJ	25 U	26 U
8082 (ug/Kg)																					
AROCLOR 1242	1000	0.0176	690 J	26 U	26 U	72	95	24 U	26 U	27 U	2100	61	24 U	25 U	23 U	25 U	21 U	27 U	1000	25 U	26 U
AROCLOR 1248	1000	0.0176	280 U	26 U	26 U	27 U	26 U	24 U	26 U	27 U	270 U	25 U	24 U	25 U	23 U	25 U	21 U	27 U	150 U	25 U	26 U
AROCLOR 1254	1000	0.0176	760	26 U	26 U	96	140	24 U	46	27 U	1700	84	24 U	25 U	23 U	65	21 U	65	780	25 U	26 U
AROCLOR 1260	1000	0.0176	3200	26 U	26 U	87 J-	240	24 U	72	27 U	370	51	24 U	30	23 U	50 J-	21 U	53	340	25 U	26 U
AROCLOR 1262	1000	0.0176	280 U	30	26 U	27 U	26 U	24 U	26 U	27 U	270 U	25 U	24 U	25 U	23 U	25 U	21 U	27 U	150 U	25 U	26 U
AROCLOR 1268	1000	0.0176	280 U	26 U	26 U	27 U	26 U	24 U	26 U	27 U	270 U	25 U	24 U	25 U	23 U	25 U	21 U	27 U	150 U	25 U	26 U
8270C (ug/Kg)																					
2,4,5-TRICHLOROPHENOL	100	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
2,4,6-TRICHLOROPHENOL	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2,4-DICHLOROPHENOL	400	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2,4-DIMETHYLPHENOL	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2,4-DINITROPHENOL	200	NA	2800 U	1300 UJ	13000 UJ	1300 UJ	4300 UJ	12000 UJ	1300 UJ	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 UJ	11000 U	6800 UJ	5000 R	1200 U	13000 R
2,4-DINITROTOLUENE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2,6-DINITROTOLUENE	1000	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2-CHLORONAPHTHALENE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2-CHLOROPHENOL	800	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2-METHYLNAPHTHALENE	36400	NA	170 J	29 J	460 J	62 J	1700 U	320 J	520 U	51000	11000	110 J	10000	48 J	2800 J	6100 J+	1800 J	330 J	2800 J	670	2300 J
2-METHYLPHENOL	100	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
2-NITROANILINE	430	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
2-NITROPHENOL	330	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
3,3'-DICHLOROBENZIDINE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	1500 J	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 UJ	5100 R
3-NITROANILINE	500	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
4,6-DINITRO-2-METHYLPHENOL	NA	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
4-BROMOPHENYL PHENYL ETHER	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
4-CHLORO-3-METHYLPHENOL	240	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
4-CHLOROANILINE	220	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R

Table 6 Summary of Results for Subsurface Sediments (>1'), Buffalo River Sediment Study 2005

Analyte	Screening Criteria (1)	Screening Criteria (2)	4-658-00-R02 09/01/2005	4-658-00-L45 09/01/2005	2-660-00-R56 09/01/2005	1-660-00-C05 09/01/2005	2-660-00-L56 09/01/2005	4-662-00-R78 08/30/2005	4-662-00-L56 08/30/2005	2-665-00-R45 08/30/2005	2-665-00-L56 08/30/2005	6-667-00-R35 08/30/2005	6-667-00-R910 08/30/2005	4-668-00-L910 08/30/2005	2-670-00-R67 08/30/2005	1-670-00-C06 08/30/2005	6-672-00-R1213 08/30/2005	6-672-00-R35 08/30/2005	4-673-00-L23 08/30/2005	2-675-00-R45 08/30/2005	6-677-00-R35 08/30/2005
4-CHLOROPHENYL PHENYL ETHER	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
4-METHYLPHENOL	900	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
4-NITROANILINE	NA	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
4-NITROPHENOL	100	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
ACENAPHTHENE	50000	NA	1700	520 U	400 J	160 J	160 J	260 J	47 J	22000	3600 J	150 J	2600 J	84 J	2100 J	4200 J	3300 J	2300 J	4200 J-	270 J	450 J
ACENAPHTHYLENE	41000	NA	1100 U	520 U	5100 U	78 J	100 J	4900 U	520 U	1400 J	11000 U	28 J	540 J	500 U	4600 U	4900 U	4200 U	340 J	500 J	490 U	5100 R
ACETOPHENONE	NA	NA	98 J	30 J	5100 U	54 J	1700 U	4900 U	25 J	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
ANTHRACENE	50000	NA	2200	39 J	590 J	320 J	490 J	440 J	100 J	37000	13000	370 J	4100 J	160 J	4000 J	8000 J	5200	3900 J-	10000 J-	180 J	900 J
ATRAZINE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
BENZALDEHYDE	NA	NA	1100 UJ	97 J	5100 U	160 J	1700 U	4900 U	94 J	18000 UJ	11000 UJ	490 UJ	4700 UJ	500 UJ	4600 UJ	4900 UJ	4200 UJ	2700 UJ	2000 R	490 UJ	5100 R
BENZO(A)ANTHRACENE	224	NA	1600	160 J	1500 J	880	1100 J	1100 J	340 J	21000	3500 J	490 J	4900	360 J	2000 J	3700 J	2300 J	2100 J	4000 J-	1100 J	2200 J
BENZO(A)PYRENE	61	28.6	840 J	220 J	660 J	980 J	1200 J	490 J	390 J	11000 J	2300 J	380 J	3400 J	350 J	1100 J	2000 J	1300 J	1500 J	2700 J-	320 J	830 J
BENZO(B)FLUORANTHENE	1100	NA	990 J	280 J	370 J	1400 J	880 J	310 J	430 J	12000 J	2400 J	500	4000 J	390 J	1300 J	2100 J	1400 J	1600 J	2200 J-	490 J	5100 R
BENZO(G,H,I)PERYLENE	50000	NA	270 J	110 J	310 J	390 J	720 J	4900 U	190 J	4300 J	790 J	150 J	2100 J	170 J	580 J	720 J	470 J	960 J	1000 J	130 J	530 J
BENZO(K)FLUORANTHENE	1100	NA	890 J	280 J	490 J	1400 J	1500 J	310 J	470 J	8900 J	2700 J	430 J	2800 J	420 J	960 J	2200 J	1200 J	1200 J	2400 J-	220 J	5100 R
BIPHENYL	NA	NA	1100 U	24 J	5100 U	530 U	1700 U	4900 U	520 U	18000 U	1700 J	27 J	240 J	23 J	4600 U	4900 U	4200 U	2700 UJ	100 J	79 J	5100 R
BIS(2-CHLOROETHOXY)METHANE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
BIS(2-CHLOROETHYL) ETHER	NA	0.66	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
BIS(2-CHLOROISOPROPYL) ETHER	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
BIS(2-ETHYLHEXYL) PHTHALATE	50000	NA	1000 J	300 J	5100 U	2800 J-	1700 J	4900 U	500 J	18000 U	1300 J	610	4700 U	430 J	4600 U	830 J	4200 U	1000 J	1700 J	490 UJ	5100 R
BUTYLBENZYL PHTHALATE	50000	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 UJ	5100 R
CAPROLACTAM	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	2700 J	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
CARBAZOLE	NA	NA	1100 U	26 J	5100 U	530 U	1700 U	4900 U	34 J	3600 J	1400 J	36 J	1700 J	63 J	440 J	630 J	750 J	290 J	2000 R	490 U	5100 R
CHRYSENE	400	NA	1900	320 J	2400 J	1100	1500 J	1900 J	510 J	23000	4100 J	640	4700 J	510	2100 J	4000 J	2600 J	2200 J	3800 J-	1100 J	3100 J
DIBENZ(A,H)ANTHRACENE	14	NA	79 J	41 J	5100 U	150 J	180 J	4900 U	95 J	920 J	11000 UJ	43 J	590 J	54 J	250 J	4900 UJ	4200 UJ	280 J	340 J	56 J	300 J
DIBENZOFURAN	6200	NA	74 J	520 U	5100 U	72 J	1700 U	4900 U	520 U	14000 J	2200 J	64 J	2000 J	56 J	510 J	2800 J	1200 J	440 J	1700 J	180 J	330 J
DIETHYL PHTHALATE	7100	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
DIMETHYL PHTHALATE	2000	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
DI-N-BUTYL PHTHALATE	8100	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
DI-N-OCTYL PHTHALATE	50000	NA	1100 U	520 U	5100 U	530 UJ	1700 U	4900 U	520 U	18000 UJ	11000 UJ	490 U	4700 U	500 U	4600 U	4900 UJ	4200 UJ	2700 UJ	2000 R	490 UJ	5100 R
FLUORANTHENE	50000	NA	4600	500 J	1300 J	1600	2600	950 J	910	71000	9900 J	1400	9900	1000	7000	12000 J+	8300	6800 J-	13000 J-	1100	1900 J
FLUORENE	50000	NA	490 J	27 J	450 J	320 J	420 J	440 J	68 J	26000	3400 J	190 J	4400 J	190 J	3400 J	5500 J	4000 J	2700 UJ	2000 R	490 U	820 J
HEXACHLOROBENZENE	410	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
HEXACHLOROBUTADIENE	NA	6.6	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
HEXACHLOROCYCLOPENTADIENE	NA	NA	1100 U	520 U	5100 U	530 R	1700 U	4900 U	520 U	18000 UJ	11000 UJ	490 UJ	4700 UJ	500 UJ	4600 UJ	4900 R	4200 UJ	2700 UJ	2000 R	490 UJ	5100 R
HEXACHLOROETHANE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 UJ	4200 U	2700 UJ	2000 R	490 U	5100 R
INDENO(1,2,3-CD)PYRENE	3200	NA	240 J	110 J	280 J	390 J	630 J	4900 U	180 J	2400 J	850 J	140 J	1700 J	170 J	520 J	530 J	350 J	870 J	1100 J	81 J	310 J
ISOPHORONE	4400	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
NAPHTHALENE	13000	NA	270 J	520 U	5100 U	93 J	140 J	4900 U	25 J	3200 J	3900 J	140 J	2200 J	41 J	680 J	960 J	620 J	430 J	780 J	140 J	370 J
NITROBENZENE	200	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
N-NITROSODIPHENYLAMINE	NA	NA	1100 U	520 U	5100 U	530 U	1700 U	1200 J	520 U	18000 U	11000 U	270 J	2800 J	500 U	710 J	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
PENTACHLOROPHENOL	1000	NA	2800 U	1300 U	13000 U	1300 U	4300 U	12000 U	1300 U	45000 U	27000 U	1200 U	12000 U	1300 U	12000 U	12000 U	11000 U	6800 UJ	5000 R	1200 U	13000 R
PHENANTHRENE	50000	NA	210 J	230 J	2000 J	910	1200 J	1600 J	430 J	110000	18000	890	13000	730	10000	18000 J	7400	7700 J-	16000 J-	1400	3900 J
PHENOL	30	NA	1100 U	520 U	5100 U	530 U	1700 U	4900 U	520 U	18000 U	11000 U	490 U	4700 U	500 U	4600 U	4900 U	4200 U	2700 UJ	2000 R	490 U	5100 R
PYRENE	50000	NA	5400	470 J	1800 J	1800 J+	2500	1200 J	840	93000	11000	1500	7400	1100	8000	12000 J+	7500	4500 J-	6600 J-	2200 J	3300 J

(1) New York State Department of Environmental Conservation, Technical and Administrative Guidance and Memorandum, # 4046, Revised Jan. 24, 1994 Determination of Soil Cleanup Objectives and Cleanup Levels Values that exceed this criteria are shaded gray and bolded.

(2) New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resoureces, Technical Guidance for Screening Contaminated Sediments, January 1999. Table 1 Human Health Bioaccumulation - Sediment Criteria * Site specific criteria based on site average 22 gOC/Kg. Values that exceed this criteria are shaded teal, with white font, bolded and italics."

Key:

U: Not detected	mg/Kg: miligram per kilogram
J: Estimated	ug/Kg: microgram per kilogram
J-: Estimated low	mg/L: miligram per liter
J+: Estimated high	ug/L: microgram per liter
R : Rejected	