

**TABLE 1**  
**PRELIMINARY (UNVALIDATED) SEDIMENT ANALYTICAL RESULTS**  
**LOWER POND, MELVILLE PONDS**  
**NUSC DISPOSAL AREA - SITE 08 PHASE 1 RI**  
**NEWPORT, RHODE ISLAND**

Parameters	Sediment Background Concentrations <sup>(1)</sup>				Sediment Screening Level	Melville Pond Preliminary Sediment Data <sup>(3)</sup>					
	Frequency of Detection	Minimum Detected Concentration	Maximum Detected Concentration <sup>(2)</sup>	Mean of all Samples		MP-SD01-052107 (05/21/2007)	MP-SD01-052107_RE (05/21/2007)	MP-SD02-052107 (05/21/2007)	MP-SD02-052107_RE (05/21/2007)	MP-SD03-052107 (05/21/2007)	MP-SD03-052107_RE (05/21/2007)
<b>VOLATILE ORGANIC COMPOUNDS (UG/KG)</b>											
1,4-DICHLOROBENZENE					350	3 J	16 U	19 U	NA	25 U	NA
2-BUTANONE					270	450	480	260	NA	93 J	NA
ACETONE					8.7	1500	1900	880	NA	460	NA
CARBON DISULFIDE					0.85	3 J	9 J	19 U	NA	25 U	NA
<b>SEMIVOLATILE ORGANIC COMPOUNDS (UG/KG)</b>											
2-METHYLNAPHTHALENE	7/20	8.25	40 *	15	20.2	96 U	NA	96 U	NA	31 J	NA
ACENAPHTHYLENE	16/20	13 J*	230 *	34	160	29 J	NA	20 J	NA	28 J	NA
ANTHRACENE	19/20	20 *	680 *	153	57.2	32 J	NA	21 J	NA	27 J	NA
BENZO(A)ANTHRACENE	20/20	100 *	1900	785	108	310	NA	250	NA	260	NA
BENZO(A)PYRENE	20/20	120 *	2500	995	150	280	NA	180	NA	210	NA
BENZO(B)FLUORANTHENE	20/20	210 *	4300	1744	1800	670	NA	440	NA	490	NA
BENZO(K)FLUORANTHENE	20/20	62 *	1700	606	240	140	NA	84 J	NA	88	NA
BENZO(G,H,I)PERYLENE	20/20	89 *	2800	1085	170	220	NA	150	NA	160	NA
CHRYSENE	20/20	130 *	3200	1326	166	240	NA	160	NA	200	NA
DIBENZO(A,H)ANTHRACENE	19/20	20 J*	620	212	33	96 U	NA	43 J	NA	87	NA
FLUORANTHENE	20/20	280 *	4600	1869	423	430	NA	290	NA	380	NA
FLUORENE	16/20	16 J*	250 *	59	77.4	16 J	NA	96 U	NA	16 J	NA
INDENO(1,2,3-CD)PYRENE	20/20	81 *	2100	822	200	320	NA	230	NA	240	NA
PHENANTHRENE	20/20	100 J	2900	854	204	190	NA	140	NA	170	NA
PYRENE	20/20	190 *	4600	2025	195	400	NA	320	NA	370	NA
<b>PESTICIDES/PCBS (UG/KG)</b>											
4,4'-DDD	19/20	6.5	62.5	23	4.88	120	NA	39	NA	100	NA
4,4'-DDE	20/20	7.1	190 *	89	3.16	190	NA	75	NA	170	NA
4,4'-DDT	19/20	16	125	64	4.16	100	NA	14 U	NA	36	NA
ENDOSULFAN SULFATE	4/20	7.3	17	5	5.4	22	NA	14 U	NA	17 U	NA
<b>METALS (MG/KG)</b>											
ALUMINIUM	20/20	6230	19400	13342	25500	28100	NA	20100	NA	29100	NA
ARSENIC	20/20	7.5 J	34.4 J	18	9.79	23.5	NA	12	NA	18.6	NA
BARIUM	20/20	17.9 J	231	83	48	120	NA	87.8	NA	100	NA
CALCIUM					NA	3880	NA	2970	NA	3260	NA
CHROMIUM	20/20	10.5	81.5	24	43.4	28.6	NA	20.8	NA	29.2	NA
COBALT	20/20	6.1	36.4	17	50	27.1	NA	34.3	NA	64.2	NA
COPPER					31.6	52.6	NA	40.2	NA	55.9	NA
IRON	20/20	15700	42700	29525	20000	42300	NA	27600	NA	32000	NA
LEAD	20/20	22.5	297	92	35.8	73.8	NA	62.7	NA	102	NA
MAGNESIUM	20/20	1540	3630	2912	NA	4270	NA	3350	NA	4490	NA
MANGANESE	20/20	326	9740 J*	3023	460	461	NA	576	NA	521	NA
MERCURY					0.18	0.19 U	NA	0.13 U	NA	0.21	NA
NICKEL	20/20	11	49.5	24	22.7	34.4	NA	32.5	NA	50.4	NA
POTASSIUM					NA	1530	NA	1200	NA	1600	NA
SODIUM					NA	462	NA	302	NA	376	NA
VANADIUM	20/20	10.5	42.2 J	29	57	46.2	NA	37.4	NA	59.7	NA
ZINC	20/20	77.3 J	534 J	193	121	222	NA	229	NA	286	NA
<b>PETROLEUM HYDROCARBONS</b>											
DIESEL RANGE ORGANICS					NA	140 B	240 B	130 B	170 B	130 B	170 B

(1) - Sediment background data source: Background Soil Investigation Report for NUSC Disposal Area, SA-08 (Tetra Tech NUS, Inc., 2006)

(2) Bold font indicates the concentration is greater than the concentrations in all Melville Pond Samples for that parameter.

(2) Black background indicates the concentration is greater than the screening levels.

J - Quantitation limit approximate

NA - Not analyzed/not applicable

U - Detection limit approximate