

Table 6
Summary of Soil Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comment	MCP Reportable Concentrations S-1	MW-201S 10'-12' 20-Jul-02	MW-202S 8'-10' 20-Jul-02	MW-204S 16'-18' 20-Jul-02	MW-205S 10'-12' 20-Jul-02	MW-206S 10'-12' 20-Jul-02	MW-207S 10'-12' 20-Jul-02	MW-208S 16'-18' 20-Jul-02	B-209 12'-15' 22-Jun-02	MW-210S 25' 20-Jul-02	B-211 12'-15' 22-Jun-02	MW-211S 12' 20-Jul-02	B-212 18'-19.8' 22-Jun-02	MW-213S 16' 20-Jul-02	B-214 3'-6' 22-Jun-02	MW-216S 12'-14' 20-Jul-02	B-243 8' 9-Sep-02	B-244 3'11"- 6'10" 9-Sep-02	B-245 11' 9-Sep-02
Organics																			
<i>Volatile Organic Compounds (VOCs) (ug/kg)</i>																			
Tetrachloroethene	500	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
Trichloroethene	400	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-	140
Dichloroethene cis-1,2	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene 1,2-	100,000	-	-	-	-	-	-	-	-	-	2,200	-	-	-	-	-	-	-	-
Acetone	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	-
Benzene	10,000	-	-	-	-	-	-	-	-	-	370	-	-	-	-	-	-	-	-
Toluene	90,000	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-
Ethylbenzene	80,000	-	-	-	-	-	-	-	-	-	6,500	-	-	-	80	-	-	-	-
Xylene p/ m-	500,000	-	-	-	-	-	-	-	-	-	3,800	-	-	-	320	-	-	-	-
Xylene o-	500,000	-	-	-	-	-	-	-	-	-	2,800	-	-	-	120	-	-	-	-
Isopropylbenzene	1,000,000	-	-	-	-	-	-	-	-	-	4,400	-	-	-	-	-	-	-	-
Naphthalene	4,000	9.0	-	-	-	-	-	-	-	-	26,000	-	-	-	-	-	-	-	-
Butylbenzene sec-	NS	-	-	-	-	-	-	-	-	-	3,700	-	-	-	-	-	-	-	-
Butylbenzene, n-	NS	-	-	-	-	-	-	-	-	-	6,900	-	-	-	-	-	-	-	-
Isopropyltoluene, p-	NS	-	-	-	-	-	-	-	-	-	5,600	-	-	-	-	-	-	-	-
Propylbenzene n-	100,000	-	-	-	-	-	-	-	-	-	8,200	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	10,000	-	-	-	-	-	-	-	-	-	6,400	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	1,000,000	-	-	-	-	-	-	-	-	-	20,000	-	-	-	-	-	-	-	-
<i>Total VOCs</i>		0	9	0	0	0	0	0	0	0	96,870	0	0	0	729	0	0	0	140
Polynuclear Aromatic Hydrocarbons (PAHs) (ug/kg)																			
Compound Specific	Compound Specific	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (ug/kg)																			
2,000	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																			
<i>Total PPI3 Metals (mg/kg)</i>																			
Arsenic	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
 - = Not Detected
 NS = No Standard
 NA = Not Analyzed
 µg/kg =microgram per kilogram (parts per billion (ppb)).
 mg/kg =milligram per kilogram (parts per million (ppm)).
 Bold data indicates exceedence of RCS-1.

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Sample I.D. Depth Date Sampled Comment	MCP Reportable Concentrations S-1	B-246 10.2' 9-Sep-02	B-247 7.5' 9-Sep-02	B-248 1.1' 9-Sep-02	B-249 8.8' 10-Sep-02	B-250 7.7' 10-Sep-02	B-251 1.5' 10-Sep-02	B-252 6.5' 10-Sep-02	B-253 1.0' 10-Sep-02	B-254 7.5' 10-Sep-02	B-255 8.7' 10-Sep-02	B-256 12.7' 10-Sep-02	B-257 6' 10-Sep-02	B-258 14' 10-Sep-02	B-259 11' 10-Sep-02	B-260 19.5' 10-Sep-02	B-301 0'-5' 19-Aug-02	B-302 0'-5' 19-Aug-02
Organics																		
<i>Volatile Organic Compounds (VOCs) (ug/kg)</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA
Tetrachloroethene	500				-									99				
Trichloroethene	400				290							53		340		120		
Dichloroethene cis-1,2	2,000				90									260				
Dichlorobenzene 1,2-	100,000				-									-				
Acetone	3,000				-									-				
Benzene	10,000				-									-				
Toluene	90,000				-									-				
Ethylbenzene	80,000				-									-				
Xylene p/m-	500,000				-									-				
Xylene o-	500,000				-									-				
Isopropylbenzene	1,000,000				-									-				
Naphthalene	4,000				-									-				
Butylbenzene sec-	NS				-									-				
Butylbenzene, n-	NS				-									-				
Isopropyltoluene, p-	NS				-									-				
Propylbenzene n-	100,000				-									-				
Trimethylbenzene, 1,3,5-	10,000				-									-				
Trimethylbenzene, 1,2,4-	1,000,000				-									-				
<i>Total VOCs</i>		0	0	0	380	0	0	0	0	0	0	53	0	699	0	120		
<i>Polynuclear Aromatic Hydrocarbons (PAHS) (ug/kg)</i>	Compound Specific	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>Polychlorinated Biphenyls (PCBs) (ug/kg)</i>	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																		
<i>Total PPI3 Metals (mg/kg)</i>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Arsenic	30																6.3	5.7
Beryllium	0.7																0.32	-
Chromium	1,000																9.2	14
Copper	1,000																20	30
Lead	300																7.2	58
Mercury	20																-	0.36
Nickel	300																8.9	10
Silver	100																-	-
Zinc	2,500																30	84

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 mg/kg = milligram per kilogram (parts per million (ppm)).
 Bold data indicates exceedence of RCS-1.

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Sample I.D. Depth Date Sampled Comment	MCP Reportable Concentrations S-1	B-303 0'-5' 19-Aug-02	B-304 0'-5' 19-Aug-02	B-305 0'-5' 19-Aug-02	B-306 0'-5' 19-Aug-02	B-307 0'-5' 19-Aug-02	B-308 0'-5' 19-Aug-02	B-309 0'-5' 19-Aug-02	B-310 0'-5' 19-Aug-02	B-311 0'-5' 19-Aug-02	B-312 0'-5' 19-Aug-02	MW-313 5'-7' 26-Aug-02	MW-314 5'-7' 26-Aug-02	MW-315 5'-7' 26-Aug-02	B-316 0'-5' 9-Sep-02	B-317 0'-5' 9-Sep-02	B-318 0'-5' 9-Sep-02
Organics																	
<i>Volatile Organic Compounds (VOCs) (ug/kg)</i>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA
Tetrachloroethene	500											-	-	-			
Trichloroethene	400											-	-	-			
Dichloroethene cis-1,2	2,000											-	-	-			
Dichlorobenzene 1,2-	100,000											-	-	-			
Acetone	3,000											84		140			
Benzene	10,000											-	-	-			
Toluene	90,000											-	-	-			
Ethylbenzene	80,000											-	-	-			
Xylene p/m-	500,000											-	-	-			
Xylene o-	500,000											-	-	-			
Isopropylbenzene	1,000,000											-	-	-			
Naphthalene	4,000											-	-	-			
Butylbenzene sec-	NS											-	-	-			
Butylbenzene, n-	NS											-	-	-			
Isopropyltoluene, p-	NS											-	-	-			
Propylbenzene n-	100,000											-	-	-			
Trimethylbenzene, 1,3,5-	10,000											-	-	-			
Trimethylbenzene, 1,2,4-	1,000,000											-	-	-			
<i>Total VOCs</i>												84	0	140			
<i>Polynuclear Aromatic Hydrocarbons (PAHs) (ug/kg)</i>	Compound Specific	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA
<i>Polychlorinated Biphenyls (PCBs) (ug/kg)</i>	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA
Inorganics																	
<i>Total PPI3 Metals (mg/kg)</i>																	
Arsenic	30	5.8	5.4	6.0	6.3	6.4	6.4	5.3	5.7	5.1	36	-	5.1	-	5.5	6.0	5.1
Beryllium	0.7	0.23	-	0.22	0.23	0.23	0.22	-	0.23	0.23	-	-	0.51	-	NA	NA	NA
Chromium	1,000	9.4	6.1	7.3	12	8.2	9.2	11	10	9.5	10	7.3	8.5	8.8	NA	NA	NA
Copper	1,000	25	12	13	17	14	15	18	16	13	16	6.2	6.8	14	NA	NA	NA
Lead	300	10	4.6	7.2	5.3	7.6	6.8	18	15	9.6	4.6	-	6.6	6.2	NA	NA	NA
Mercury	20	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA
Nickel	300	6.6	6.5	6.8	9.4	7.2	7.7	6.7	7.0	6.3	12	3.0	3.5	-	NA	NA	NA
Silver	100	-	-	-	-	-	-	-	1.2	-	-	-	-	-	NA	NA	NA
Zinc	2,500	26	20	59	28	31	33	540	150	36	26	-	-	6.7	NA	NA	NA

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