

Table 4.5 Summary of Total Remedial Investigation Soil and Sediment Samples

Parameter	Analytical Method <sup>1</sup>	Reporting Units	Number of Surface Soil Analyses	Number of Subsurface Soil Analyses	Number of Sediment Samples	Trip Blanks <sup>2</sup>	Equipment Rinsates <sup>3</sup>	Dup/Rep <sup>3</sup>	MS/MSD	Total Analyses
Explosives	5030/ 8330	µg/kg <sup>4</sup>	20	20	3	--	3	5	3	54
Volatile organic compounds	5030/ 8240	µg/kg	0	0	7	2	2	2	2	15
Semivolatile organic compounds	3550/ 8270	µg/kg	0	0	7	--	2	2	2	13
ICP Metals <sup>5</sup>	3050/ 6010	mg/kg <sup>6</sup>	50	30	7	--	5	9	5	106
Arsenic	3050/ 7062	mg/kg	50	30	7	--	5	9	5	106
Total lead	3050/ 7420	mg/kg	50	30	7	--	5	9	5	106
Mercury	3050/ 7471	mg/kg	50	30	7	--	5	9	5	106
Geotechnical	ASTM	--	6 <sup>7</sup>	3 <sup>7</sup>	0	--	--	--	--	9

1 Test Methods for Evaluating Solid Waste (EPA SW 846, November 1986).  
 2 One trip blank per shipment for volatile organics. Samples of both soil and water of the same method require only one trip blank.  
 3 One equipment blank taken for every twenty samples and one duplicate taken for every ten samples.  
 4 µg/kg = micrograms per kilogram  
 5 Barium, cadmium, chromium  
 6 mg/kg = milligrams per kilogram  
 7 Six surface soil samples will be analyzed using ASTM methods D2216, D422, and SSSA or appropriate API methods. Three rock samples will be analyzed using ASTM methods D4404 and D4525 or appropriate API methods. See Table 4.2.