

Table 2

Injection Zone	Location	Monitoring Point	TPH C4 - C40+ (EPA 8260/8015)	TPH-g,d,m,o (EPA 8260/8015)	VOCs (EPA 8260)	PAHs (EPA 8270SIM)	Nitrate, Phosphate (EPA 300)	21 Dissolved Metals (EPA 6020) ¹	Chromium VI (EPA 7199)	Bromide/Bromate (EPA 300.1)	TDS (EPA 160.1)	Alkalinity, Speciated (EPA 310.1)	COD (EPA 410.4)	TOC (EPA 9060)	Field Parameters: DTW, Temp, pH, SC, DO, ORP (YSI 556 MPS)	Dissolved Iron (SM 3500Fe)	Dissolved Ozone (HACH AccuVac)	
Ex Situ Soil Treatment (Above Ground Soil Treatment Cell)	Eight Random Sample Locations (4 Shallow, 4 Deep, and 2 Composites)	SS-1S	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-2S	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-3S	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-4S	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		Shallow Composite	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-1D	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-2D	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-3D	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		SS-4D	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
		Deep Composite	B/M/Q	--	--	B/M/Q	B/M/Q	--	--	--	--	--	--	B/M	--	--	--	
In Situ Groundwater Treatment (B-zone Groundwater)	Nestled Monitoring Wells (Screened 40-50 ft, 70-80 ft, 90-100 ft)	MW-15	---	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/M/Q	B/M/Q	B/M/Q	B/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/D/W/M/Q	B/W/M/Q	B/D/W/M/Q	
		MW-16 ² (background)	---	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/M/Q	B/M/Q	B/M/Q	B/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/D/W/M/Q	B/W/M/Q	B/D/W/M/Q
		MW-18	---	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/M/Q	B/M/Q	B/M/Q	B/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/D/W/M/Q	B/W/M/Q	B/D/W/M/Q
		MW-19	---	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/M/Q	B/M/Q	B/M/Q	B/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/D/W/M/Q	B/W/M/Q	B/D/W/M/Q
		MW-20 ³ (new well)	---	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/M/Q	B/M/Q	B/M/Q	B/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/D/W/M/Q	B/W/M/Q	B/D/W/M/Q
		MW-21 ³ (new well)	---	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/M/Q	B/M/Q	B/M/Q	B/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/W/M/Q	B/D/W/M/Q	B/W/M/Q	B/D/W/M/Q
Off-Gas Collection and Treatment System	GAC Treatment System Process Sample Ports	INF	---	B/D/W/M	B/D/W/M	---	---	---	---	---	---	---	---	---	---	---	---	
		MID	---	B/D/W/M	B/D/W/M	---	---	---	---	---	---	---	---	---	---	---	---	
		EFF	---	B/D/W/M	B/D/W/M	---	---	---	---	---	---	---	---	---	---	---	---	
		Ambient	---	Ozone Only	Ozone Only	---	---	---	---	---	---	---	---	---	---	---	---	

B/M = once before startup; monthly thereafter
 B/M/Q = once before startup; monthly for the first quarter; quarterly thereafter
 B/W/M/Q = once before startup; weekly for the first month; monthly for the first quarter; quarterly thereafter
 B/D/W/M = once before startup; daily for the first week; weekly for the first month; monthly thereafter
 B/D/W/M/Q = once before startup; daily for the first week; weekly for the first month; monthly for the first quarter; quarterly thereafter

TPH = total petroleum hydrocarbons
 VOCs = volatile organic hydrocarbons
 PAHs = polycyclic aromatic hydrocarbons
 TDS = total dissolved solids
 COD = chemical oxygen demand
 TOC = total organic carbon
 DTW = depth to water
 SC = specific conductivity
 DO = dissolved oxygen
 ORP = oxidation reduction potential
 DTW = depth to water

INF = influent vapor sample MID = vapor sample between carbon beds EFF = effluent vapor sample

(1) - The 21 Dissolved Metals include: aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, uranium, zinc
 (2) - MW-16 will serve as the background monitoring well
 (3) - MW-20 and MW-21 are new nested monitoring wells located 20 and 40 feet from the ozone recirculation well