

TABLE 2
 June 2015 Sampling Analysis and Methods for Sediments and Soils - Lagoon 4
 Response Action Plan
 St. Paul Park Refinery

Lagoon 4 Sampling Quadrant	Sample ID	Sample Interval	Sample Matrix Sediment or Native Soil	Sample Type Grab or Composite	Vibracore Sample Location	Characterization Analysis - Method															
						VOCs - 8260B ¹	SVOCs - 8270D ¹	Metals - 6010C ²	Mercury - 7471B	Pesticides - 8081B	PCBs - 8082A	TPH DRO - W195/8015	Oil & Grease - 1664A	TCLP VOCs - 1311	TCLP SVOCs - 1311	TCLP Metals - 1311	SPLP VOCs - 1312	SPLP SVOCs - 1312	SPLP Metals - 1312		
Northeast Quadrant	Jun2015-L4-Soil-NE	1-1.5' Below Sed	Soil	Grab	NE8		x					x									
	Jun2015-L4-SedUp-NE	Upper Interval	Sediment	Grab	NE11	x								x				x	x	x	
				Comp	NE7, NE8, NE9, NE10, NE11, and NE12		x	x	x	x	x	x	x		x	x					
	Jun2015-L4-SedLow-NE	Lower Interval	Sediment	Grab	NE11	x									x				x	x	x
Comp				NE7, NE8, NE9, NE10, NE11, and NE12		x	x	x	x	x	x	x		x	x						
Northwest Quadrant	Jun2015-L4-Soil-NW	1-1.5' Below Sed	Soil	Grab	NW1		x					x									
	Jun2015-L4-SedUp-NW	Upper Interval	Sediment	Grab	NW3	x									x				x	x	x
				Comp	NW1, NW2, NW3, NW4, and NW6		x	x	x	x	x	x	x		x	x					
	Jun2015-L4-SedLow-NW	Lower Interval	Sediment	Grab	NW3	x									x				x	x	x
Comp				NW1, NW2, NW3, NW4, and NW6		x	x	x	x	x	x	x		x	x						
Southeast Quadrant	Jun2015-L4-Soil-SE	1-1.5' Below Sed	Soil	Grab	SE20		x					x									
	Jun2015-L4-SedUp-SE	Upper Interval	Sediment	Grab	SE24	x									x				x	x	x
				Comp	SE19, SE20, SE22, SE23, and SE24		x	x	x	x	x	x	x		x	x					
	Jun2015-L4-SedLow-SE	Lower Interval	Sediment	Grab	SE24	x									x				x	x	x
Comp				SE19, SE20, SE22, SE23, and SE24		x	x	x	x	x	x	x		x	x						
Southwest Quadrant	Jun2015-L4-Soil-SW	1-1.5' Below Sed	Soil	Grab	SW15		x					x									
	Jun2015-L4-SedUp-SW	Upper Interval	Sediment	Grab	SW18	x									x				x	x	x
				Comp	SW13, SW14, SW15, SW16, and SW18		x	x	x	x	x	x	x		x	x					
	Jun2015-L4-SedLow-SW	Lower Interval	Sediment	Grab	SW18	x									x				x	x	x
Comp				SW13, SW14, SW15, SW16, and SW18		x	x	x	x	x	x	x		x	x						
Total Samples						8	12	8	8	8	8	12	8	8	8	8	8	8	8	8	

Notes:

See Figure ## for Vibracore Sample Locations

¹ List of analytical parameters and methods from MPCA Guidance Document *Methods and Analytes Requiring Laboratory Certification*

² Analytical parameters for metals included Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, and Mercury (MPCA Letter dated November 21, 2013 and USEPA "Modified Skinner" List)