QAPP Worksheet #19-1
Analytical SOP Requirements – Effluent

Matrix	Analytical Group	Concentration Level	Analytical and Preparation Method/SOP Reference[a]	Sample Volume (mL)[b]	Containers (number and type)[c]	Preservation Requirements (chemical, temperature, light protected)[d]	Maximum Holding Time (preparation/analysis)[e]
Grab Water	Volatiles	Low	L-1	3-40 ml	40 ml G (w/ Teflon® lined septum)	4°C HCl to pH<2	14 days
Grab Water	Semivolatiles	Low	L-1	1 L	1 L, G	4°C	7 days to extraction, 40 days after extraction to analysis
Grab Water	Pesticides	Low	L-1	1 L	1 L, G	4°C	7 days to extraction, 40 days after extraction to analysis
Grab Water	2,3,7,8-TCDD	Low	L-2	2 L	1 L, G	4°C	7 days to extraction, 40 days after extraction to analysis
Grab Water	Metals	Low	L-3	250 ml	500 ml, P	4°C HNO_3 to pH <2	6 months
Grab Water	Mercury	Low	L-3	250 ml			28 days
Grab Water	Herbicides	Low	L-4	1 L	1 L, G	4°C	7 days to extraction, 40 days after extraction to analysis
Grab Water	TOC	Low	L-5	125 ml	125 ml, G	4°C H_3PO_4 to pH<2	28 days
Grab Water	Cyanide	Low	L-3	500 ml	500 ml, P	4°C NaOH to pH>12 0.6 g ascorbic acid[f]	14 days
Grab Water	Hexavalent Chromium	Low	L-6	200 ml	500 ml, P	4°C	24 hours
Grab Water	pH	Low	L-7	50 ml		4°C	24 hours
Grab Water	TSS	Low	L-9	1000 ~~250~~ ml	1000 ~~500~~ ml, P	4°C	7 days
Grab Water	TPH/SGT-HEM	Low	L-8	1 L	1 L, G	4°C HCl to pH<2	28 days

See the last page of Worksheet #19-1 for a description of footnotes.

QAPP Worksheet #23-1
Analytical Method/SOP References[a]

Reference Number!	Analytical Method/SOP !	Definitive or Screening Data!	Analytical Group !	Instrument!	Organization Performing Analysis!	Modified for Project Work? (Y/N)!
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
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