Table 4 (Revised). Water Sample Analysis Parameters, Methods, and Method Detection Limits

Analyte Group	*Constituent*	*U.S. EPA Method Number*	*Method Detection Limit[4] (mg/L)*
Field Parameters	pH	150.1	0.1 (s.u.)
	Specific Conductance	120.1	1 (umhos/cm)
	Temperature	170.1	0.1 (°C)
Metals[1]	Aluminum	200.7 ICP	0.03
	Antimony	200.8 ICP-MS	0.0004
	Arsenic	200.7 ICP	0.04
	Barium	200.8 ICP-MS	0.0001
	Beryllium	200.8 ICP-MS	0.0001
	Cadmium	200.8 ICP-MS	0.0001
	Chromium	200.8 ICP-MS	0.0001
	Cobalt	200.8 ICP-MS	0.0001
	Copper	200.8 ICP-MS	0.0005
	Iron	200.7 ICP	0.02
	Lead	200.8 ICP-MS	0.0001
	Manganese	200.7 ICP	0.005
	Mercury	M1631	0.0002 (ug/L)
	Molybdenum	200.7 ICP	0.01
	Nickel	200.8 ICP-MS	0.0006
	Selenium	200.8 ICP-MS	0.0001
	Silver	200.8 ICP-MS	0.0001
	Thallium	200.8 ICP-MS	0.0001
	Uranium	200.8 ICP-MS	0.0001
	Vanadium	200.7 ICP	0.005
	Zinc	200.7 ICP	0.01
Radionuclides[2]	U-234, -235, -238	ASTM D3972	0.2 pCi/L
	Ra-226	903.1	0.4 pCi/L
	Ra-228	904.0	1 pCi/L
	Pb-210	PAI 704	1 pCi/L
	Po-210	ASTM D3972	0.5 pCi/L
	Th-228, -230, -232	ASTM D3972	0.2 pCi/L
Major Cations[2]	Calcium	200.7 ICP	0.2
	Potassium	200.7 ICP	0.3
	Magnesium	200.7 ICP	0.2
	Sodium	200.7 ICP	0.3
Major Anions[2]	Alkalinity	SM 2320B	2
	Chloride	300.0 Ion Chrom.	0.091
	Sulfate	300.0 Ion Chrom.	0.23
Miscellaneous[3]	Organic Carbon*	415.1	0.15
	Total Dissolved Solids	160 Gravimetric	10
	Total Suspended Solids*	160.2 Gravimetric	5

NOTES:

1. Dissolved and total recoverable forms for surface water samples; dissolved form only for groundwater/seep samples.
2. Dissolved form only.
3. Parameters noted by asterisk "*" for surface water samples only.
4. Approximate method detection limits provided; actual laboratory detection limits will vary.

Table 5 (Revised). Sediment/Soil Laboratory Parameters, Analysis Methods, and Method Detection Limits

Analyte Group	*Constituent*	*U.S. EPA Method Number*	*Method Detection Limit[4] (mg/kg)*
Metals[1]	Aluminum	6010 ICP	3
	Antimony	6020 ICP-MS	0.7
	Arsenic	6020 ICP-MS	0.05
	Barium	6010 ICP	0.3
	Beryllium	6010 ICP	0.2
	Cadmium	6010 ICP	0.5
	Chromium	6010 ICP	1
	Cobalt	6010 ICP	1
	Copper	6010 ICP	1
	Iron	6010 ICP	2
	Lead	6010 ICP	4
	Manganese	6010 ICP	0.5
	Mercury	7471 CVAA	0.04
	Molybdenum	6010 ICP	1
	Nickel	6010 ICP	1
	Selenium	6010 ICP	4
	Silver	6010 ICP	1
	Thallium	6020 ICP-MS	0.1
	Uranium	6020 ICP-MS	0.05
	Vanadium	6010 ICP	0.5
	Zinc	6010 ICP	1
Radionuclides	U-234, -235, -238	ASTM D3972	0.1 pCi/g
	Ra-226	901.1M	0.4 pCi/g
	Ra-228	901.1M	1 pCi/g
	Pb-210	PAI 704	1 pCi/g
	Po-210	ASTM D3972	0.25 pCi/g
	Th-228, -230, -232	ASTM D3972	0.1 pCi/g
Organics[2]	PCBs	M8082 GC/ECD	0.01-0.02
Miscellaneous[3]	Organic Carbon*	ASA No. 9 29-2,2,4 IC Combustion (leco)	0.1 %
	Acid Volatile Sulfides (AVS)*	EPA 08/09 Draft	
	Paste pH	USDA No. 60 (21a)	0.1 s.u.
	Particle size distribution	ASA No. 9 15-4.2.2	0.1 %

NOTES:
1. Initial sampling event. List may be reduced for other events.
2. Sample collected in the vicinity of the former generator shack at the 300-foot level.
3. Parameters noted by asterisk "*" for stream sediment samples only.
4. Approximate method detection limits provided; actual laboratory detection limits will vary.