

Table 1.6-2

Analytes, Field Preparation, and Analytical Methods Used by Contract Laboratories for Samples Collected under the Interim Plan

Analytical Suite	Analytical Group	Field Preparation	Analytical Method	Analytes
Metals ^{a, b}	WSP-All Metals	Unfiltered	SW-846:6010	Aluminum
			EPA:245.2	Mercury
			SW-846:6020	Selenium
		Filtered	SM:A2340	Hardness
			SW-846:6010	Aluminum, barium, beryllium, calcium, cobalt, copper, iron, magnesium, manganese, potassium, silicon dioxide, sodium, strontium, tin, vanadium, zinc
			SW-846:6020	Antimony, arsenic, boron, cadmium, chromium, lead, molybdenum, nickel, selenium, silver, thallium, uranium
			EPA:245.2	Mercury
			EPA:200.8	Cobalt
	MSGP-Hg	Unfiltered	EPA:245.2	Mercury
VOCs	WSP-8260B-VOA	Unfiltered	SW-846:8260	See Table B-4.1-1
SVOCs	WSP-8270C-SVOA	Unfiltered	SW-846:8270	See Table B-4.1-1
Low-MDL VOCs and SVOCs ^c	GW-8260B-SIM	Unfiltered	SW-846:8260B_SIM	See Table B-4.1-1
	GW-8011+TCP	Unfiltered	SW-846:8011	Dibromo-3-Chloropropane[1,2-], dibromoethane[1,2-], 1,2,3-trichloropropane
	GW-8270D-SIM	Unfiltered	SW-846:8270D GCSM_SIM	See Table B-4.1-1
	WSP-LL-8081A-HCB	Unfiltered	SW-846:8081	Hexachlorobenzene
	WSP-LL-8151A-PCP	Unfiltered	SW-846:8151	Pentachlorophenol
PCBs	WSP-8082-PCB	Unfiltered	SW-846:8082	See Table B-4.1-1
HEXP ^d	WSP-8321A-NMED HEXP	Unfiltered	SW-846:8321A_MOD	See Table B-4.1-1
HEXMOD ^{de}	WSP-8321A-NMED HEXMOD	Unfiltered	SW-846:8321A_MOD	See Table B-4.1-1
Dioxins/Furans	WSP-8290-D/F	Unfiltered	SW-846:8290	See Table B-4.1-1

Table 1.6-2 (continued)
Analytes, Field Preparation, and Analytical Methods Used by Contract Laboratories for Samples Collected under the Interim Plan

Analytical Suite	Analytical Group	Field Preparation	Analytical Method	Analytes
Radionuclides	WSP-GrossA/B	Unfiltered	EPA:900	Gross alpha, gross beta
	WSP-RAD	Unfiltered	EPA:901.1	Cesium-137, cobalt-60, gross gamma, neptunium-237, potassium-40, sodium-22
			EPA:905.0	Strontium-90
			HASL-300:AM-241	Americium-241
			HASL-300:ISOPU	Plutonium-238, plutonium-239/240
			HASL-300:ISOU	Uranium-234, uranium-235/236, uranium-238
Tritium	WSP-H-3	Unfiltered	EPA:906.0	Tritium
Low-Level Tritium	WSP-LL-H-3	Unfiltered	Generic:Low_Level_Tritium	Tritium
General Inorganics	WSP-GENINORG+PerChlorate	Filtered	EPA:120.1	Specific conductance
			EPA:150.1	Acidity or alkalinity of a solution
			EPA:160.1	Total dissolved solids
			EPA:300.0	Bromide, chloride, fluoride, sulfate
			EPA:310.1	Alkalinity-CO ₃ , alkalinity-CO ₃ +HCO ₃
			SW-846:6010	Silicon dioxide
			SW-846:6850	Perchlorate
	WSP-NH ₃ +NO ₃ /NO ₂ +PO ₄	Filtered	EPA:350.1	Ammonia as nitrogen
			EPA:353.2	Nitrate-nitrite as nitrogen
			EPA:365.4	Total phosphate as phosphorus
	WSP-TKN+TOC	Unfiltered	EPA:351.2	Total Kjeldahl nitrogen
			SW-846:9060	Total organic carbon
	WSP-CN(T)	Unfiltered	EPA:335.4	Cyanide (Total)
	WSP-All Metals	Filtered	SW-846:6010	Includes major cations (calcium, magnesium, sodium, potassium) obtained from metals analysis

^a The following Metals Suite Analytical Groups & Field Preparations apply to groundwater samples (i.e., alluvial, intermediate, regional and springs): WSP-All Metals (Filtered) and MSGP-HG (Unfiltered).

^b The following Metals Suite Analytical Groups & Field Preparations apply to surface water samples (i.e., base flow): WSP-All Metals (Unfiltered) and WSP-All Metals (Filtered).

^c As discussed in section B-4.2 of the Interim Plan, low-MDL VOC and SVOC sampling and analysis beyond MY2016 is contingent upon the assessment of all low-MDL VOC and SVOC data collected during MY2015 and MY2016.

^d ~~HEXPMOD~~ analytical suite = analysis of samples for high explosives ~~and RDX-degradation products~~ by SW-846:8321A_MOD.

^e ~~HEXMOD~~ analytical suite = analysis of samples for high explosives and RDX-degradation products by SW-846:8321A_MOD.