

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 |
| <u>HEXP^d</u> | <u>WSP-8321A-NMED HEXP</u> | <u>Unfiltered</u> | <u>SW-846:8321A_MOD</u> | <u>See Table B-4.1-1</u> |
| 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.