

6 Laboratory Analytical Testing Requirements

Each sample (also referred to as “test profile” in the following sections) should be analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by EPA Method 8260;
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270;
- Total MCP-14 by EPA Methods 6010, 7470 (for mercury) and 7010 (for thallium) (refer to Table 1 for analyte list);
- Pesticides by EPA Method 8081 (may be excluded or limited based on site history);
- Herbicides by EPA Method 8151 (may be excluded or limited based on site history);
- Total Petroleum Hydrocarbons (TPH) (summation of EPH fractions can be substituted);
- Reactivity (cyanide/sulfide) by EPA Method Ch. 7.3;
- pH/Corrosivity by EPA Method 9045;
- Ignitibility/flashpoint by EPA Method 1010;
- Specific Conductance (Conductivity) by EPA Method SM2540 ; and
- Any other potential constituents based on location-specific history.
- Analysis for hexavalent chromium will be required on every sample that exceeds RCS-1 for total chromium.
- TCLP analysis will be required of each sample that exceeds potential threshold values.
- Averaging of concentrations is not acceptable.
- Soil containing arsenic >RCS-1 from anywhere is not acceptable.

Any deviation from this sampling protocol must be clearly explained in the Request for Approval soil package.