



SW-846 Updates in 2017

New Method Publication Process

- ORCR no longer uses the Federal Register (FR) to announce SW-846 methods
- Methods posted for public comment on SW-846 website
- Mailing list notifies users about new or revised methods
- The FR will still be used for publication of methods that are required by regulations (i.e., MDPs)

EPA PFAS Methods

- Cross-Agency effort (OLEM, OW, ORD, Regions)
- Three LC/MS/MS method options: **A)** direct injection/external standard; **B)** SPE/isotope dilution; **C)** SPE/internal standard
- Phased approach multi-lab validation study

Update VI Phase I

Method 1340: In-Vitro Bioaccessibility Assay (IVBA) for Lead in Soil

- Characterization of lead bioaccessibility in contaminated soil
- Not recommended for soils exceeding 50,000 mg/kg total Pb

Public Comment Period closed May 1, 2017

Expected finalization: Fall 2017

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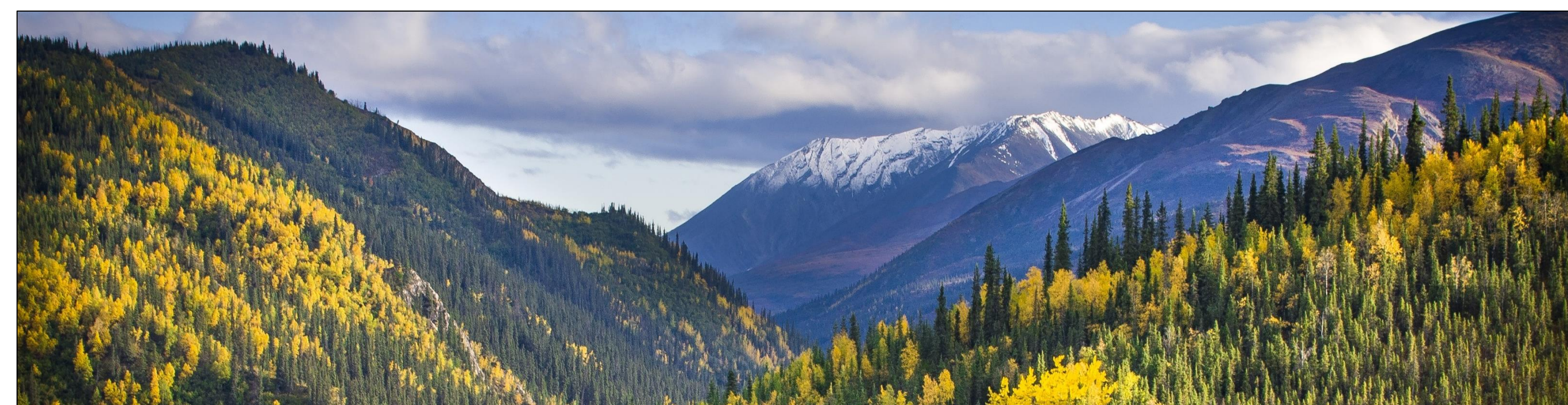
Update VI Phase II

Methods 8260D and 8270E-Volatile and Semivolatile Organic Compounds by GC/MS

- New analytes, optional use of hydrogen gas, and additional performance data
- Advanced measurement technologies and updated tuning requirements

Public Comment Period closed June 28, 2017

Expected finalization: Fall 2017



Update VI Phase III – LEAF Methods

Equilibrium-based leaching tests: Methods 1313 and 1316

- Measure contaminant release as it relates to pH (1313) and liquid/solid ratio (1316)

Mass transport rate-based leaching test: Method 1315

- Determines contaminant release rates by accounting for chemical and physical properties

Percolation: Method 1314

- Equilibrium or mass transfer rate

Expected release: July 28, 2017

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Update VI Phase IV

Method 3050C: Acid Digestion of Sediments, Sludges, and Soils

- Strong acid digestion to dissolve all “environmentally available” elements
- New Appendix B – Incremental Sampling

Expected release: Winter 2017/2018

Future Projects

- Method 1340A – Bioaccessibility for Lead and Arsenic in Soil
- Method 3060B – Alkaline Digestion for Hexavalent Chromium (USGS)
- Method 3110 – Extraction of Seafood for Arsenic Species (Region 10)
- Method 5030D - Purge-and-Trap for Aqueous Samples
- Method 5035B - Closed-System Purge-and-Trap and Extraction for VOCs in Soil and Waste
- Method 6200A – Field Portable XRF
- Method 6870 – Arsenic Speciation Analysis in Seafood using IC/ICP-MS (Region 10)
- Method 8261B – VOCs by Vacuum Distillation in Combination with GC/MS
- Methods for Organic Leaching
- Ignitability Characteristic Flashpoint Methods 1010B and 1020C

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