



SW-846 Updates in 2018

Method Publication Process

- Methods posted for public comment on SW-846 website
- Mailing list notifies users about new or revised methods – email orcrSW846@epa.gov to sign up
- FR will be used for publication of methods that are required by regulations (i.e., MDPs)

EPA PFAS Methods

Cross-Agency effort

LC/MS/MS methods:

- **Method 8327** - direct injection/external standard method for wastewater
- **Method 8328** - SPE/isotope dilution method for wastewater
- **Method 8329** – TBD method for solids
- Multi-lab validation for 8327 currently ongoing
- Method 8328 currently being drafted

Update VI Phase I

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

- Characterization of lead bioaccessibility in contaminated soil

Finalized November 28, 2017

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: July, 2018



Update VI Phase III – LEAF Methods

- **Equilibrium-based leaching tests: Methods 1313 and 1316**
 - Contaminant release related to pH (1313) and liquid/solid ratio (1316)
- **Mass transport rate-based leaching test: Method 1315**
- **Percolation test: Method 1314**
- **Extensive User Guide**

Public Comment Period ended January 31, 2018

Expected Finalization Fall 2018

Update VII

- PFAS Methods – **Methods 8327, 8328, 8329**
- Flashpoint Methods – **Methods 1010B & 1010C**
- **Method 3050C**: Acid Digestion of Sediments, Sludges, and Soils
 - Multi-lab validation planned for Fall 2018
- **Method 1340A**: In Vitro Bioaccessibility Assay (IVBA) for Lead and Arsenic in Soil
- **Method 3060B** – Alkaline Digestion for Hexavalent Chromium
 - Collaboration with USGS
- **Method 6850A**: Perchlorate in Water, Soils, and Solid Wastes Using HPLC/ESI/MS
- **Method 6860A**: Perchlorate in Water, Soils, and Solid Wastes Using IC/ESI/MS

Other Methods

- Submitted revised flashpoint methods to ASTM
 - **ASTM Methods D8174-18 and D8175-18** accepted in Spring 2018
- Proposing revision of flashpoint Methods 1010A and 1020B, required by ignitability characteristic
- Proposing removal of requirement to use Hg thermometers for SW-846 MDPs