



SW-846 Updates in 2015

Update V: Final Publication Highlights

- 8 new and 15 revised methods
- 5 updated Chapters and Policy Statement
- Docket# EPA- HQ- RCRA- 2012- 0072
- EPA addressed 111 public comments
- Final versions and public comment expected this summer

Update VI: Will be Published in Three Phases Phase 1: Methods 1340, 3050, and 6200

- **Method 1340** – In Vitro Bioaccessibility Assay for Lead in Soil
 - Risk evaluation of lead in contaminated sites
- **Method 3050C** – Acid Digestion of Sediments, Sludges, and Soils
 - Incremental sampling methodology for collection and preparation
 - Alternative acid digestion procedure for tungsten
 - Replaces MDL with LLOQ
- **Method 6200A** – Field Portable X-ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment
 - Update to calibration criteria and performance data
- **Method 3060B** – Alkaline Digestion for Hexavalent Chromium
 - USGS collaboration to develop new extraction procedure

MICE Service

The MICE Service receives questions and takes comments regarding SW- 846. Maintained by EPA operated by TechLaw, Inc. Reach the MICE Service at:
E-mail: MICE@techlawinc.com – Phone: (703) 818- 3238 – Fax: (703) 818- 8813

Phase 2: Methods 8260 and 8270

- **Method 8260D – Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry**
- **Method 8270E – Semivolatile Organic Compounds by Gas Chromatography/ Mass Spectrometry**
- TOF and MS/MS detectors
- Hydrogen carrier gas
- New analytes
- Tuning criteria for BFB and DFTPP updated
- Sample preparation guidance updated
- 114 public comments received on final drafts, currently under discussion

Phase 3: Methods LEAF Methods (1313, 1314, 1315 & 1316)

Leaching Environmental Assessment Framework (LEAF) is a collaboration between Vanderbilt University, Energy Research Centre of the Netherlands, DHI (Denmark), ORD and ORCR. Methods 1313 – 1316 are posted on the Validated Methods page at:
http://www.epa.gov/wastes/hazard/testmethods/sw846/new_meth.htm

- Form of materials
- Parameters that affect leaching
- Release rate
- New guidance being finalized

These methods are intended for situations where TCLP is NOT the best answer, such as evaluating treatment effectiveness and characterizing potential release from high volume materials. Software is available now, including LEAF Method templates and two LeachXS-lite for data entry, analysis, visualization and reporting. More information and an EPA report can be found at:
<http://nepis.epa.gov/Adobe/PDF/P1009TQ9.pdf>.

Future Projects

- Forum for Environmental Measurement (FEM): MoniTOR, Outreach Detection Limit and Quantitation & Manager's Quarterly
- Arsenic speciations.
- Duquesne University – Method 6800, correlation of blood and autism
- Methods Users' Request List
- Collaborations with ACIL to improve timeliness of method releases
- EPA Program Offices and external partner collaborations
- Update to SW-846 website, including update of FAQs for MICE.



Photo Courtesy of Patrick Derocher

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