

## EIM Help – Entering TCLP Data

Version 1.3  
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The Toxicity Characteristic Leaching Procedure (TCLP) is a test method designed to determine the mobility of both organic and inorganic analytes from liquid, solid, and multiphasic wastes. It was originally designed to determine leaching potential from landfills. Additionally, it is used to determine if a waste can be classified as a hazardous waste.

TCLP is actually a prep method - [EPA SW-846 1311](#). It involves leachate extraction - primarily from soil or sediment samples and more rarely from liquid and multiphasic samples. Any number of analytical methods can be used to analyze the leachate (see below).

Although a leachate (i.e., liquid) is analyzed under TCLP, the properties of the original sample should be preserved in the metadata. Use the following guidelines when entering TCLP data into EIM:

- **Sample\_Matrix** (Column W): That of the original sample - usually Solid/Sediment
- **Sample Source** (Column X): That of the original sample - usually Soil, Freshwater Sediment, or Salt/Marine Sediment
- **Sample\_Method\_Code\_1 (or \_2, \_3, or \_4)** (Column AB-AE): SW1311
- **Result\_Value\_UOM** (Column AW): ug/L or mg/L (since the leachate is a liquid)
- **Result\_Sample\_Fraction** (Column BD): Leachate
- **Result\_Measurement\_Basis\_Code** (Column BE): Leave blank
- **Result\_Method\_Code** (Column BG): Use one of the following. If your analytical method isn't covered here, contact the EIM Data Coordinator to have it added:

Category	Code	Description
ANALYSIS	TCLP-245.1	Mercury by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Cold Vapor/Atomic Absorption (CVAA, EPA245.1)
ANALYSIS	TCLP-6010	Metals by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and ICP-AES (SW6010)
ANALYSIS	TCLP-6010B	Metals by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and ICP-AES (SW6010B, Rev. 2)
ANALYSIS	TCLP-7470	Mercury by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Manual Cold-Vapor Technique in Liquid Waste (SW7470, Rev. 0)
ANALYSIS	TCLP-7470A	Mercury by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Manual Cold-Vapor Technique in Liquid Waste (SW7470A, Rev. 1)
ANALYSIS	TCLP-7471	Mercury by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Manual Cold-Vapor Technique in Solid or Semisolid Waste (SW7471)
ANALYSIS	TCLP-7471A	Mercury by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Manual Cold-Vapor Technique in Solid or Semisolid Waste (SW7471A, Rev. 1)

ANALYSIS	TCLP-8080	Organochlorine Pesticides and Polychlorinated Biphenyls (PCBs) by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Gas Chromatography (GC, SW8080)
ANALYSIS	TCLP-8150	Chlorinated Herbicides by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Gas Chromatography (GC, SW8150)
ANALYSIS	TCLP-8240	Volatile Organics by Toxicity Characteristic Leaching Procedure (TCLP, SW1311) and Gas Chromatography/Mass Spectrometry (GC/MS, SW8240)
ANALYSIS	TCLP-8260B	Volatile Organic Compounds (VOCs) by Toxicity Characteristic Leaching Procedure (TCLP, SW1311), and Gas Chromatography/Mass Spectrometry (GC/MS) (SW8260B, Rev. 2)
ANALYSIS	TCLP-8270	Semivolatile Organic Compounds by Toxicity Characteristic Leaching Procedure (TCLP, SW1311), and GC/MS (SW8270)
ANALYSIS	TCLP-8270C	Semivolatile Organic Compounds by Toxicity Characteristic Leaching Procedure (TCLP, SW1311), and GC/MS (SW8270C, Rev. 3)
ANALYSIS	TCLP-SV	TCLP-Semivolatile Analysis