

EIM Help – Entering Samples Analyzed by TCLP & SPLP

Version 2.0 DRAFT
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Toxicity Characteristic Leaching Procedure (TCLP) Synthetic Precipitation Leaching Procedure (SPLP)

TCLP and SPLP are US Environmental Protection Agency (EPA) laboratory test methods designed to determine the mobility of both organic and inorganic analytes present in liquids, solids, and multiphase wastes. They were originally designed to determine the leaching potential of landfill solids via the groundwater. Their use has expanded to other types of cleanup sites.

TCLP and SPLP are actually prep methods, EPA SW-846 [1311](#) and [1312](#), respectively. They involve leachate extraction from soil or sediment samples and more rarely from liquid and multiphase samples. Although a leachate (i.e., liquid) is analyzed under TCLP or SPLP, the properties of the original sample should be preserved in the metadata when you enter your data into EIM. Any number of laboratory analytical methods can be used to analyze the leachate.

TCLP and SPLP also used to characterize waste as either hazardous or non-hazardous for the purpose of disposal. If your samples are for waste characterization for disposal purposes, do not enter them into EIM.

If you are using TCLP or SPLP test methods on your samples to characterize the environment, such as the leaching potential of soils at mining sites, the data can be submitted to EIM.

Use the following guidelines when entering TCLP or SPLP data. All fields are required unless noted as optional. **Note:** we are no longer using concatenated TCLP-Result methods (like TCLP-SW6010).

- **Sample Matrix** (Column X): That of the original sample - usually Solid/Sediment
- **Sample Source** (Column): That of the original sample - usually Soil, Freshwater Sediment, Salt/Marine Sediment, or Brackish Sediment
- **Sample Preparation Method** (Column AB): SW1311 (TCLP) or SW1312 (SPLP)
- **Result Value Units** (Column AN): Liquid units (weight per volume) such as ug/L or mg/L (since the leachate is a liquid)
- **Fraction Analyzed** (Column AT): Lab Leachate
- **Result Basis** (Column AV): Leave blank
- **Digestion Method** (Column AW, optional): Either Total or blank
- **Result Method** (Column AY): Laboratory method used to analyze the leachate sample (ex. SW6010)

Revision History

Revision Date	Revision No.	Summary of Changes	Reviser(s)
10/23/07	1.0	Original Document	CN
7/24//08	1.1	Added sample fraction of "leachate."	CN
10/01/08	1.2	Updated references to spreadsheet column headings per data model change	CN
11/06/09	1.3	Updated references to spreadsheet column headings per data model change	CN, CL
8/1/2013	2.0	Now includes SPLP and changes to data entry per data model changes. No longer using concatenated TCLP-analytical result methods.	CK, CN