

Waste Analysis Methods

Table II.A.5_6-2

Methods Used To Sample Wastes

Hazardous Waste Types	Sample Method	Description of Sampling	Method Reference
Homogeneous Liquids in Containers	Grab Sample	Disposable Coliwasa, Glass Tube, Composite Sample of Grabs from Top, Middle, and Bottom	(1)
Homogeneous Liquids in Bulk	Grab Sample	Same	(1)
Bi-Layered Liquids in Containers	Grab Sample	Same	(1)
Bi-Layered Liquids in Bulk	Grab Sample	Same	(1)
Multi-Layered Liquids in Containers	Grab Sample	Same	(1)
Multi-Layered Liquids in Bulk	Grab Sample	Same	(1)
Solid-Liquid Mixtures in Containers	Grab Sample	(2) Coliwasa, Trowel, or Scoop Composite Sample of Grabs from Top, Middle, and Bottom	(1)
Solid-Liquid Mixtures in Bulk	Grab Sample	(2) Same	(1)

(1)	DEP-SOP-001/01. FS 5000 Waste Sampling
(2)	Devise used is dependent upon the density of the waste materials

ANALYSIS METHODS

CONSTITUENT	SW-846 ANALYSIS METHOD
Cyanide (Total & Amenable)	9010C
Mercury	7470A, 7171B
Sulfide	9030B
Metals (Except Mercury)	7000 Series/6010 [7000B, 7010, 7061A, 7062, 7063, 7195, 7196A]
Volatile Organics	8240B
Semi-Volatile Organics	8270D
TCLP Extraction	1311
Hazardous Waste Corrosivity	1110A
Hazardous Waste Ignitibility	1010A, 1020B
Hazardous Waste Reactivity-Cyanide/Sulfide	The regulations do not require specific test methods for any of these properties. Therefore, generators <u>must</u> use waste knowledge to determine if their waste exhibits the characteristic of reactivity.

Treatment Standards

RCRA Metals	40 CFR 268.48 Table Universal Treatment Standard (mg/L) (Non-wastewaters)	40 CFR 268.49 Alternative Treatment Standards for Soil: 10 x UTS (mg/L)	40 CFR 261.24-TCLP Regulatory Level (mg/L)
D004- Arsenic	5.0	50	5.0
D005- Barium	21	210	100
D006- Cadmium	0.11	1.1	1.0
D007- Chromium	0.60	6	5.0
D008- Lead	0.75	7.5	5.0
D010- Selenium	5.7	57	1.0
D011- Silver	0.14	1.4	5.0