

List of Methods

The following methods have been established as acceptable for use by the laboratory. All are approved for use in-house or in the field; however, certification or accreditation may not be held for all analyses. If the required method does not appear on the list contact the Laboratory Director to discuss if the laboratory has the capability of performing the method.

Petroleum Analysis Methodology Reference Table

<u>Method</u>	<u>Description</u>
ASTM D129	% Sulfur
ASTM D1475	Specific Gravity
ASTM D445	Viscosity @ 40 degrees C
ASTM D4809-95	BTU
ASTM D4007	B S & W
ASTM D287	Gravity A.P.I.
ASTM D482	Ash
ASTM D808	Chlorides, Halides, Halogens
ASTM D93	Flash, PM Closed Cup

Environmental Analysis Methodology Reference Table

<u>Method</u>	<u>Description</u>
ASTM D2216	Moisture
ASTM D4007	Bottom Sediment and Water
EPA 180.1	Turbidity
EPA 200.2	Metals Digestion (Water)
EPA 200.7-ICP	Metals by ICP (Total or Dissolved)
EPA 200.7-ICP	Total Phosphorus
EPA 200.8-ICPMS	Metals by ICP-MS (Total or Dissolved)
EPA 245.1-Cold Vapor	Mercury (Total or Dissolved)
EPA 3010A	Metals Digestion (Liquid/TCLP)
EPA 3050B	Metals Digestion (Solid)
EPA 410.4	COD
EPA 420.1	Phenolics
EPA 608	Total Pesticides/PCBs
EPA 624	Purgeables
EPA 625	Base/Neutrals & Acids
EPA 600.4-81-045	PCB in Transformer Oil
EPA 1664A	Oil and Grease
EPA 9071B, EPA 3540	Oil and Grease, Soxhlet
EPA 1600	Enterococci
FDA 2400i	Bottled Water Cap Testing
FDA 2400i	Bottled Water Container Testing
FDA 2400i	Coliform Count/VRB
HACH 10029	E. Coli (M-Coli Blue)
HACH 10242	TKN (TN, NNN)
HACH 8167	Chlorine, Total Residual
HACH 8193	Tannin and Lignin
NAS 1638	Particle Count
LACHAT 10-107-06-1-I	Ammonia-N

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LACHAT 10-107-06-2-I	Nitrogen, Total Kjeldahl
LACHAT 10-210-00-1-X	Phenolics
SW 846- 1010	Flash Point, Ignitibility
SW 846- 1311	TCLP Leachate
SW 846- 1311/6010C/7470A	TCLP Metals
SW 846- 1311/6020A/7470A	TCLP Metals
SW 846- 1311/8081	TCLP Pesticides
SW 846- 1311/8260D	TCLP Volatiles
SW 846- 1311/8270D	TCLP Semi-Volatiles
SW846-1312	SPLP Leachate
SW 846- 1312/6010C/7470A	SPLP Metals
SW 846- 1312/6020A/7470A	SPLP Metals
SW 846- 1312/8081	SPLP Pesticides
SW 846- 1312/8260D	SPLP Volatiles
SW 846- 1312/8270D	SPLP Semi-Volatiles
SW 846- 3510	Separatory Funnel Liquid-Liquid Ext.
SW 846- 8081	Total Pesticides
SW 846- 3520	Continuous Liquid-Liquid Ext.
SW 846- 8270D	Total Semi-Volatiles
SW 846- 3550	Sonication Extraction
SW 846- 3620	Florisil Column Clean up
SW 846- 3650	Acid-Base Partition Clean up
SW 846- 5030/5035	Purge & Trap
SW 846- 6010C/D-ICP	Metals by ICP
SW 846- 6010C/D-ICP	Total Phosphorus
SW 846- 6020A-ICPMS	Metals by ICP-MS
SW 846- 7470A	Mercury – Cold Vapor
SW 846- 7471B	Mercury – Cold Vapor
SW 846- 8015C	DRO, ORO
SW 846- 8082	PCBs
SW 846- 8260D	GC/MS-Total Volatiles
SW 846- 9013	Reactive Cyanide
SW 846- 9030A Sec. 7	Acid Sprung/Reactive Sulfide (Solid/Water)
SW 846- 9030B	Reactive/Total Sulfide
SW 846- 9040C	pH (Liquid)
SW 846- 9045D	pH (Soil/Solid)
SW 846- 9081	Cation Exchange Capacity
SW 846- 9095	Paint Filter Test
Std Method 2120-C	Color
Std Method 2150-B	Odor
Std Method 2310-B	Acidity
Std Method 2320-B	Alkalinity (as M, P, CaCO ₃ , Carbonate or Bicarbonate)
Std Method 2340-B	Hardness, Calcium + Magnesium
Std Method 2340-C	Hardness, Total as CaCO ₃
Std Method 2510-B	Conductivity

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Std Method 2520-B	Salinity
Std Method 2540-B	Total Solids (Water)
Std Method 2540-C	Total Dissolved Solids
Std Method 2540-D	Total Suspended Solids, Mixed Liquor Suspended Solids
Std Method 2540-E	Volatile Solids (Water)
Std Method 2540-F	Settleable Solids
Std Method 2540-G	Total Solids, Volatile Solids, Ash (Semi Solids and Solids)
Std Method 2550-B	Temperature
Std Method 2710 F	Specific Gravity
Std Method 3500-CR-B	Hexa-Chromium
Std Method 4110B (IC)	Cl ₂ , SO ₄ , Br, NO ₃ , NO ₂ (Total or Dissolved)
Std Method 4500-Cl-B	Chloride (Water)
Std Method 4500-Cl-G	Total Residual Chlorine (Colorimetric)
Std Method 4500-CO ₂ C	Carbon Dioxide (Total)
Std Method 4500-CN-E	Cyanide, Total
Std Method 4500-CN-G	Cyanide, Amenable or Chlorinated
Std Method 4500-CN-I	Cyanide, Weak Acid (Free)
Std Method 4500-F C, D	Fluoride
Std Method 4500-H+B	pH
Std Method 4500-NO ₂ B	Nitrite, Colorimetric
Std Method 4500 NH ₃ -D	Ammonia - N
Std Method 4500 Norg-B	Nitrogen, Total Kjeldahl
Std Method 4500 Norg	Nitrogen, Organic
Std Method 4500-O-G	Oxygen, Dissolved
Std Method 4500-P-E	Orthophosphate
Std Method 4500-P-E	Total Phosphorus
Std Method 4500-S ₂ -D	Sulfide
Std Method 4500-SiO ₂ -D	Silica (Total or Dissolved)
Std Method 4500-SO ₃ ²⁻ -B	Sulfite
Std Method 4500-Cl-G	Total Residual Chlorine (Colorimetric)
Std Method 5210B	BOD/CBOD
Std Method 5310C	TOC/DOC
Std Method 5540C	Surfactants as MBAS
Std Method 9215B	Heterotrophic Plate Count
Std Method 9221E	Coliform, Fecal – Mult/tube
Std Method 9222D	Coliform, Fecal – Membrane
Std Method 9223B	Coliform (Colilert Method)

Industrial Hygiene Analysis Methodology Reference Table

Method

XRF

NIOSH 0600

NIOSH 7082

NIOSH 7303

NIOSH 7400

NOTE: Mold and Asbestos inspections also available.

Description

Lead by XRF

Respirable Dust in air

Lead in air

Metals in air

PCM (Asbestos fiber counting)