

		Micro Methods Laboratory Quality Assurance Manual		
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Section 28

28.0 APPENDIX

Appendix A: *List of Methods Approved for Use in the Laboratory*

The following methods are approved for use in the laboratory. If the method required 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, oxygen bomb
ASTM D1298	Specific Gravity
ASTM D1744	Water Content, Karl Fisher
ASTM D445	Viscosity @ 40 degrees C
ASTM D4809-95	BTU
ASTM D2500	Pour Point
ASTM D4007	B S & W
ASTM D287	Gravity A.P.I.
ASTM D 482	Ash
ASTM D 808	Chlorides, Halides, Halogens
ASTM D 93	Flash, PM Closed Cup
ASTM D 95	Water by Distillation
ASTM D 976	Cetane-calculated
GC	LPG, Butane, Propane

Environmental Analysis Methodology Reference Table (Appendix A)

EPA 180.1	Turbidity
EPA 200.7-ICP	Metals by ICP
EPA 245.1-Cold Vapor	Mercury
EPA 279.2-Furnace	Thallium, AA Furnace
EPA 410.4	COD
EPA 420.1	Phenolics
EPA 608	Total Pesticides/PCB's
EPA 610	Polynuclear Aromatic Hydrocarbons
EPA 624	Purgeables
EPA 625	Base/Neutrals & Acids
EPA-Trans. Oil	PCB
EPA 1664A	Oil and Grease
GC/FID	Fingerprinting
GC/MS	Identity of Unknown (Tentatively Identified Compounds)
SW 846, 1010	Flash Point, Ignitibility
SW 846, 1311	TCLP Leachate

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Environmental Analysis Methodology Reference Table (Appendix A) *Continued*

SW 846, 1311/6010B/7470A	TCLP Metals
SW 846, 1311/8081	TCLP Pesticides
SW 846, 1311/8151	TCLP Herbicides
SW 846, 1311/8260B	TCLP Volatiles
SW 846, 1311/8270D	TCLP Semi-Volatiles
SW 846, 3510	Separatory Funnel Liquid-Liquid Ext.
SW 846, 8081	Total Pesticides
SW 846, 8151	Total Herbicides
SW 846, 3520	Continuous Liquid-Liquid Ext.
SW 846, 8081	Total Pesticides
SW 846, 8270D	Total Semi-Volatiles
SW 846, 3550	Sonication Extraction
SW 846, 8081	Total Pesticides
SW 846, 8270	Total Semi-Volatiles
SW 846, 3620	Florisil Column Clean up
SW 846, 3650	Acid-Base Partition Clean up
SW 846, 5030/5035	Purge & Trap
SW 846, 6010B-ICP	Metals by ICP
SW 846, 7040A	Mercury – Cold Vapor
SW 846, 8015C	GRO, DRO, ORO
SW 846, 8021	Aromatic Volatiles (BTEX)
SW 846, 8260B	GC/MS-Total Volatiles
SW 846, 8310	PAH – HPLC
SW 846, 9013	Reactive Cyanide
SW 846, 9030A Sec. 7	Acid Sprung Sulfide (Solid/Water)
SW 846, 9045C	pH (Soil)
SW 846, 9095	Paint Filter Test
HACH 8167	Chlorine, Total Residual
Std Method 2120-C	Color
Std Method 2150-B	Odor
Std Method 2310-B	Acidity
Std Method 2320-B	Alkalinity
Std Method 2510-B	Conductivity
Std Method 2340-C	Hardness, Total as CaCO ₃
Std Method 2520-B	Salinity
Std Method 2540-F	Settleable Solids
Std Method 2540-C	Total Dissolved Solids
Std Method 2540-D	Total Suspended Solids
Std Method 2540-B	Total Solids
Std Method 2540-G	Volatile Solids
Std Method 2550-B	Temperature
Std Method 3500-CR-B	Hexa-Chromium
Std Method 3113B	Silver
Std Method 3113B	Arsenic

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Environmental Analysis Methodology Reference Table (Appendix A) *Continued*

Std Method 3113B	Copper
Std Method 3113B	Lead
Std Method 3113B	Selenium
Std Method 3113B	Antimony
Std Method 3113B	Cadmium
Std Method 3113B	Thallium
Std Method 3113B	Beryllium
Std Method 3113B	Nickel
Std Method 3113B	Chromium
Std Method 4110B (IC)	Cl ₂ , SO ₄ , Br, NO ₃ , NO ₂
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-I	Cyanide, Weak Acid
Std Method 4500-CN-G	Cyanide, Amenable
Std Method 4500-CN-E	Cyanide, Total
Std Method 4500-F & B	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-O-G	Oxygen, Dissolved
Std Method 4500-P-E	Orthophosphate
Std Method 4500-P-E	Total Phosphorus
Std Method 4500-S ₂ -D & F	Sulfide
Std Method 4500-SiO ₂ -D	Silica, Total
Std Method 4500-S ₂ -B	Sulfite
Std Method 4500-Cl-G	Total Residual Chlorine (Colorimetric)
Std Method 5210B	BOD
Std Method 5310-C	TOC/DOC
Std Method 9215-A & B	Heterotrophic Plate Count
Std Method 9221D	Coliform, Total
Std Method 9221E	Coliform, Fecal – Mult/tube
Std Method 9222D	Coliform, Fecal – Membrane
Std Method 9223B	Coliform (Colilert Method)

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Industrial Hygiene Analysis Methodology Reference Table (Appendix A)

XRF	Lead by XRF
NIOSH #0600	Nuisance Dust
NIOSH #3500	Formaldehyde
NIOSH #7082	Lead in air
NIOSH #7400	PCM
NIOSH #7601	Silica in air
NIOSH #S274/S283	Pesticides/Air
NIOSH #3502	Phenol
NIOSH #5023	Gravimetric Determination
OSHA #1501	Charcoal Tubes
OSHA ID-215	Hexachromium