

Attachment I

WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER AND WASTE MANAGEMENT

Annual Certified Parameter List

for

**COLUMBIA ANALYTICAL SERVICES**  
**ROCHESTER, NEW YORK**

**PARAMETERS CERTIFIED**

**LIMITED CHEMISTRY:** Oil & Grease(EPA1664 A), Hardness, Total(SM18th2340 C), pH(SM18th4500-H B), Hardness, Total(SM19th2340 C), pH(SM19th4500-H B), Hardness, Total(SM20th2340 C), pH(SM20th4500-H B), Cyanide, Total(SW9012B),

**HPLC/ESI/MS:** Perchlorate in Water, Soils, and Solid Wastes(SW6850)

**Demand:** Organic Carbon, Total, (TOC)(SM20th5310 C)

**Solids:** Dissolved(SM18th2540 C), Settleable(SM18th2540 F), Dissolved(SM19th2540 C), Settleable(SM19th2540 F), Dissolved(SM20th2540 C), Settleable(SM20th2540 F)

**METALS**

**CVAA:** Mercury(EPA245.1 Rev 3.0-1994), Mercury(SW7470A), Mercury(SW7471A)

**GFAA**

SM18th3113 B - Arsenic, Lead, Selenium, Thallium

SM19th3113 B - Arsenic, Lead, Selenium, Thallium

SW7000A - Arsenic, Lead, Selenium, Thallium

**ICP/MS**

EPA200.8 Rev 5.4-1994 - Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc

SW6020 - Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc

## ICP

EPA200.7 Rev 4.4-1994 - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Silver, Sodium, Thallium, Vanadium, Zinc

SW6010B - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Silver, Sodium, Thallium, Vanadium, Zinc

## ORGANICS

**GC/MS:** Volatile Organic Compounds(SW8260B), Semivolatile Organic Compounds(SW8270C)

**GC:** Total Petroleum Hydrocarbons(SW8015B), Halogenated & Aromatic Volatiles(SW8021B), Organochlorine Pesticides(SW8081A), Polychlorinated Biphenyls(SW8082)

## HAZARDOUS WASTE

**Toxicity:** TCLP (Metals & Organics)(SW1311)

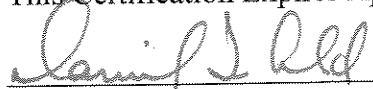
**Characteristics:** Reactivity, Cyanide(SW Chapter 7.3.3.2), Reactivity, Sulfide(SW Chapter 7.3.4.2), Ignitability(SW1010), Corrosivity, pH, (Lab)(SW9040C)

**Extractions-Cleanup:** Sulfuric Acid/Permanganate Cleanup(SW3665A), Gel-Permeation Cleanup(SW3640A), Florisil Cleanup(SW3620C)

This laboratory may test **ONLY** for those environmental parameters listed above for compliance reporting purposes. All testing must be by the test method cited in the current application for certification.

This Certification Expires April 30, 2009.

Certificate No 292

 Issued on May 14, 2008

Daniel T. Arnold  
Quality Assurance Officer