

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: Air Water & Soil Labs. Inc.
Address: 1941 Reymet Road
Richmond, VA 23237-

Certificate Number: 495
Effective Date: 1/1/2018
Expiration Date: 12/31/2018
Date of Last Amendment: 3/7/2018

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANIC

BOD
SM 5210 B-2011 (Aqueous)

CHLORIDE
EPA 300.0, Rev. 2.1, 1993 (Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)
SW-846 9056 A (Aqueous)
SW-846 9056 A (Non-Aqueous)

COD
SM 5220 D-2011 (Aqueous)

CONDUCTIVITY
EPA 120.1, Rev. 1982 (Aqueous)
SM 2510 B-2011 (Aqueous)
SW-846 9050 A (Aqueous)

CYANIDE
Lachat 10-204-00-1-X, Rev. 2.2, 2005 (SM 4500 CN E -2011 Automated) (Total) (Aqueous)

HARDNESS TOTAL
SM 2340 B-2011 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994) (Aqueous)
SM 2340 B-2011 (Ca SM 3120B-2011 + Mg SM 3120B-2011) (Aqueous)

IGNITABILITY
SW-846 1010 A (Pensky-Martens) (Aqueous)

INORGANIC PHENOLS
EPA 420.1, Rev. 1978 (Aqueous)

NITROGEN, AMMONIA
EPA 350.1, Rev. 2.0, 1993 (Aqueous)

NITROGEN, NITRATE
EPA 300.0, Rev. 2.1, 1993 (Aqueous)
SW-846 9056 A (Non-Aqueous)

NITROGEN, NITRITE
EPA 300.0, Rev. 2.1, 1993 (Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)
SW-846 9056 A (Aqueous)
SW-846 9056 A (Non-Aqueous)

NITROGEN, TOTAL KJELDAHL
EPA 351.2, Rev. 2.0, 1993 (Aqueous)

OIL & GREASE

EPA 1664 Rev. B (Aqueous)

pH
SW-846 9045 D (Non-Aqueous)

PHOSPHORUS, TOTAL
SM 4500 P E-2011 (Aqueous)

RESIDUE, DISSOLVED 180 C
SM 2540 C-2011 (Aqueous)

RESIDUE, SUSPENDED
SM 2540 D-2011 (Aqueous)

RESIDUE, TOTAL
SM 2540 B-2011 (Aqueous)

SULFATE
EPA 300.0, Rev. 2.1, 1993 (Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)
SW-846 9056 A (Aqueous)
SW-846 9056 A (Non-Aqueous)

SULFIDE
SM 4500 S²⁻ F-2011 (Aqueous)
SW-846 9034 (Aqueous)

METAL

ALUMINUM
EPA 200.7, Rev. 4.4, 1994 (Aqueous)

ANTIMONY
SW-846 7010 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.9, Rev. 2.2, 1994 (Aqueous)

ARSENIC
SW-846 7010 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.9, Rev. 2.2, 1994 (Aqueous)

BARIUM
EPA 200.7, Rev. 4.4, 1994 (Aqueous)

BERYLLIUM
SW-846 7010 (Aqueous)

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EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

CADMIUM

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

CHROMIUM TOTAL

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

COBALT

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

COPPER

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

IRON

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

LEAD

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

MANGANESE

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

MERCURY

EPA 245.1, Rev. 3.0, 1994 (Aqueous)

SW-846 7470 A (Aqueous)

SW-846 7471 B (Non-Aqueous)

MOLYBDENUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

NICKEL

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

SELENIUM

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

SILVER

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

THALLIUM

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

TIN

SW-846 7010 (Aqueous)

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

EPA 200.9, Rev. 2.2, 1994 (Aqueous)

VANADIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

ZINC

EPA 200.7, Rev. 4.4, 1994 (Aqueous)

ORGANIC

1,2, DIBROMOETHANE (EDB)

SW-846 8011 (Includes DBCP) (Aqueous)

BASE NEUTRAL/ACID, ORGANICS

EPA 625 (Aqueous)

SM 6410 B-2000 (Aqueous)

SW-846 8270 D (Aqueous)

SW-846 8270 D (Non-Aqueous)

CHLORINATED ACID HERBICIDES

SW-846 8151 A (Aqueous)

SW-846 8151 A (Non-Aqueous)

PESTICIDES, ORGANOCHLORINE

EPA 608 (Aqueous)

SW-846 8081 B (Aqueous)

SW-846 8081 B (Non-Aqueous)

POLYCHLORINATED BIPHENYLS (PCBs)

EPA 608 (Aqueous)

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CERTIFIED PARAMETERS

- SW-846 8082 A (Aqueous)
- SW-846 8082 A (Non-Aqueous)
- PURGEABLE, ORGANICS
 - EPA 624 (Aqueous)
 - SM 6200 B-1997, Rev. 2011 (Aqueous)
 - SW-846 8260 B (Aqueous)
 - SW-846 8260 B (Non-Aqueous)
- TPH DIESEL RANGE, ORGANICS
 - SW-846 8015 C (Aqueous)
 - SW-846 8015 C (Non-Aqueous)
- TPH GASOLINE RANGE, ORGANICS
 - SW-846 8015 C (Aqueous)
 - SW-846 8015 C (Non-Aqueous)