




Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61-81, entitled "State Environmental Laboratory Certification Regulations"

**ENTHALPY ANALYTICAL LLC
1941 REYMET RD
RICHMOND, VIRGINIA 23237**

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of the data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

Laboratory Director: MANDY MISHRA
Certifying Authority: VA
Date of Issue: July 05, 2023
Date of Expiration: June 14, 2024
Certificate Number: 93016001



Program Manager
Office of Environmental Laboratory Certification

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

ENTHALPY ANALYTICAL LLC (Laboratory ID 93016)
Laboratory Director: MANDY MISHRA
Certifying Authority: VA
Certificate Number: 93016001

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Expiration Date: June 14, 2024

CLEAN WATER ACT

INORGANIC - TRACE METAL

ALUMINUM	EPA 200.7 (1994)	ICP/AES
ALUMINUM	EPA 200.8 (1994)	ICP/MS
ANTIMONY	EPA 200.7 (1994)	ICP/AES
ANTIMONY	EPA 200.8 (1994)	ICP/MS
ARSENIC	EPA 200.7 (1994)	ICP/AES
ARSENIC	EPA 200.8 (1994)	ICP/MS
BARIUM	EPA 200.7 (1994)	ICP/AES
BARIUM	EPA 200.8 (1994)	ICP/MS
BERYLLIUM	EPA 200.7 (1994)	ICP/AES
BERYLLIUM	EPA 200.8 (1994)	ICP/MS
BORON	EPA 200.7 (1994)	ICP/AES
CADMIUM	EPA 200.7 (1994)	ICP/AES
CADMIUM	EPA 200.8 (1994)	ICP/MS
CALCIUM	EPA 200.7 (1994)	ICP/AES
CALCIUM	EPA 200.8 (1994)	ICP/MS
CHROMIUM	EPA 200.7 (1994)	ICP/AES
CHROMIUM	EPA 200.8 (1994)	ICP/MS
CHROMIUM, HEXAVALENT	SM 3500-CR B-2011	COLORIMETRIC (DIPHENYLCARBAZIDE)
COBALT	EPA 200.7 (1994)	ICP/AES
COBALT	EPA 200.8 (1994)	ICP/MS
COPPER	EPA 200.7 (1994)	ICP/AES
COPPER	EPA 200.8 (1994)	ICP/MS
IRON	EPA 200.7 (1994)	ICP/AES
IRON	EPA 200.8 (1994)	ICP/MS
LEAD	EPA 200.7 (1994)	ICP/AES
LEAD	EPA 200.8 (1994)	ICP/MS
MAGNESIUM	EPA 200.7 (1994)	ICP/AES
MAGNESIUM	EPA 200.8 (1994)	ICP/MS
MANGANESE	EPA 200.7 (1994)	ICP/AES
MANGANESE	EPA 200.8 (1994)	ICP/MS
MERCURY	EPA 245.1 (1994)	COLD VAPOR (MANUAL)
MOLYBDENUM	EPA 200.7 (1994)	ICP/AES
MOLYBDENUM	EPA 200.8 (1994)	ICP/MS
NICKEL	EPA 200.7 (1994)	ICP/AES
NICKEL	EPA 200.8 (1994)	ICP/MS
POTASSIUM	EPA 200.7 (1994)	ICP/AES
POTASSIUM	EPA 200.8 (1994)	ICP/MS
SELENIUM	EPA 200.7 (1994)	ICP/AES
SELENIUM	EPA 200.8 (1994)	ICP/MS
SILVER	EPA 200.7 (1994)	ICP/AES

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SILVER	EPA 200.8 (1994)	ICP/MS
SODIUM	EPA 200.7 (1994)	ICP/AES
SODIUM	EPA 200.8 (1994)	ICP/MS
THALLIUM	EPA 200.7 (1994)	ICP/AES
THALLIUM	EPA 200.8 (1994)	ICP/MS
TIN	EPA 200.7 (1994)	ICP/AES
TIN	EPA 200.8 (1994)	ICP/MS
TITANIUM	EPA 200.7 (1994)	ICP/AES
VANADIUM	EPA 200.7 (1994)	ICP/AES
VANADIUM	EPA 200.8 (1994)	ICP/MS
ZINC	EPA 200.7 (1994)	ICP/AES
ZINC	EPA 200.8 (1994)	ICP/MS

SEMI-VOLATILES

BASE/NEUTRALS AND ACIDS - GC/MS	EPA 625.1 (2016)
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VOLATILES (VOCS)

PURGEABLES - GC/MS	EPA 624.1 (2016)
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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

ALUMINUM	EPA 6010D (2018)	ICP/AES
ANTIMONY	EPA 6010D (2018)	ICP/AES
ANTIMONY	EPA 6020B (2014)	ICP/MS
ARSENIC	EPA 6010D (2018)	ICP/AES
ARSENIC	EPA 6020B (2014)	ICP/MS
BARIUM	EPA 6010D (2018)	ICP/AES
BARIUM	EPA 6020B (2014)	ICP/MS
BERYLLIUM	EPA 6010D (2018)	ICP/AES
BERYLLIUM	EPA 6020B (2014)	ICP/MS
BORON	EPA 6010D (2018)	ICP/AES
CADMIUM	EPA 6010D (2018)	ICP/AES
CADMIUM	EPA 6020B (2014)	ICP/MS
CALCIUM	EPA 6010D (2018)	ICP/AES
CHROMIUM	EPA 6010D (2018)	ICP/AES
CHROMIUM	EPA 6020B (2014)	ICP/MS

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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

CHROMIUM, HEXAVALENT	EPA 7196A (1992)	COLORIMETRIC
COBALT	EPA 6010D (2018)	ICP/AES
COBALT	EPA 6020B (2014)	ICP/MS
COPPER	EPA 6010D (2018)	ICP/AES
COPPER	EPA 6020B (2014)	ICP/MS
IRON	EPA 6010D (2018)	ICP/AES
LEAD	EPA 6010D (2018)	ICP/AES
LEAD	EPA 6020B (2014)	ICP/MS
MAGNESIUM	EPA 6010D (2018)	ICP/AES
MANGANESE	EPA 6010D (2018)	ICP/AES
MANGANESE	EPA 6020B (2014)	ICP/MS
MERCURY	EPA 7470A (1994)	COLD VAPOR TECHNIQUE LIQUID
MERCURY	EPA 7471B (2007)	COLD VAPOR TECHNIQUE SOLID
METALS DIGESTION	EPA 3005A (1992)	AQUEOUS ACID DIGESTION TOTAL OR DISSOLVED METALS FLAA OR ICP
METALS DIGESTION	EPA 3010A (1992)	AQUEOUS ACID DIGESTION TOTAL METALS FLAA OR ICP
METALS DIGESTION	EPA 3050B (1996)	SOLID ACID DIGESTION
METALS DIGESTION	EPA 3060A (1996)	ALKALINE DIGESTION HEX CHROM
MOLYBDENUM	EPA 6010D (2018)	ICP/AES
MOLYBDENUM	EPA 6020B (2014)	ICP/MS
NICKEL	EPA 6010D (2018)	ICP/AES
NICKEL	EPA 6020B (2014)	ICP/MS
POTASSIUM	EPA 6010D (2018)	ICP/AES
SELENIUM	EPA 6010D (2018)	ICP/AES
SELENIUM	EPA 6020B (2014)	ICP/MS
SILVER	EPA 6010D (2018)	ICP/AES
SILVER	EPA 6020B (2014)	ICP/MS
SODIUM	EPA 6010D (2018)	ICP/AES
THALLIUM	EPA 6010D (2018)	ICP/AES
THALLIUM	EPA 6020B (2014)	ICP/MS
TIN	EPA 6010D (2018)	ICP/AES
TITANIUM	EPA 6010D (2018)	ICP/AES
VANADIUM	EPA 6010D (2018)	ICP/AES
VANADIUM	EPA 6020B (2014)	ICP/MS
ZINC	EPA 6010D (2018)	ICP/AES
ZINC	EPA 6020B (2014)	ICP/MS

SEMI-VOLATILES

SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270E (2018)	EPA 3550C (2007)
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270E (2018)	EPA 3580A (1992)

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SOLID & HAZARDOUS WASTES

VOLATILES (VOCS)

VOLATILE ORGANICS BY GC/MS
VOLATILE ORGANICS BY GC/MS

EPA 8260D (2018)
EPA 8260D (2018)

EPA 5035 (1996)
EPA 3585 (1996)