



Healthy People. Healthy Communities.

S.C. Department of Health and
Environmental Control


Environmental Laboratory Certification Program

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

**ACCESS ANALYTICAL INC
15 THAMES VALLEY RD
IRMO, SOUTH CAROLINA 29063**

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: BRYANT BOYD
Certifying Authority: SC
Date of Issue: August 09, 2023
Date of Expiration: May 17, 2026
Certificate Number: 32571001



Program Manager
Office of Environmental Laboratory Certification

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

ACCESS ANALYTICAL INC (Laboratory ID 32571)
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CLEAN WATER ACT

INORGANIC - DEMAND

BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210 B-2016	5 DAY DO DEPLETION
CARBONACEOUS BOD	SM 5210 B-2016	5 DAY DO DEPLETION
CHEMICAL OXYGEN DEMAND (COD)	HACH 8000 (1979)	SPECTROPHOTOMETRIC (MANUAL OR AUTOMATED)
DISSOLVED OXYGEN	SM 4500-O G-2016	ELECTRODE
TOTAL ORGANIC CARBON (TOC)	SM 5310 B-2014	HIGH TEMPERATURE COMBUSTION (TOC)

INORGANIC - MINERAL

ALKALINITY	SM 2320 B-2011	TITRIMETRIC
CHLORIDE	EPA 300.0 (1993)	ION CHROMATOGRAPHY
FLUORIDE	EPA 300.0 (1993)	ION CHROMATOGRAPHY
HARDNESS, TOTAL (AS CaCO ₃)	SM 2340 C-2011	TITRIMETRIC (EDTA)
HYDROGEN-ION CONC. (PH)	SM 4500-H B-2011	ELECTROMETRIC MEASUREMENT
SPECIFIC CONDUCTANCE	SM 2510 B-2011	CONDUCTANCE AT 25 DEGREES C
SULFATE	EPA 300.0 (1993)	ION CHROMATOGRAPHY

INORGANIC - MISCELLANEOUS

COLOR	NCASI 71.01-TB803 (200)	SPECTROPHOTOMETRIC
RESIDUAL CHLORINE	SM 4500-CL G-2011	DPD COLORIMETRIC METHOD
TEMPERATURE	SM 2550 B-2010	THERMOMETRIC
TURBIDITY	SM 2130 B-2011	NEPHELOMETRIC

INORGANIC - NUTRIENT

AMMONIA-NITROGEN	SM 4500-NH ₃ D-2011	ELECTRODE
NITRATE-NITRITE (NO ₂ &NO ₃)	EPA 300.0 (1993)	ION CHROMATOGRAPHY
NITRATE-NITRITE (NO ₂ &NO ₃)	EPA 353.2 (1993)	CADMIUM REDUCTION (AUTOMATED)
NITRATE-NITROGEN	EPA 300.0 (1993)	ION CHROMATOGRAPHY
NITRITE-NITROGEN	EPA 300.0 (1993)	ION CHROMATOGRAPHY
ORTHOPHOSPHATE	SM 4500-P E-2011	ASCORBIC ACID (MANUAL SINGLE REAGENT)
PHOSPHORUS	EPA 365.1 (1993)	ASCORBIC ACID (AUTOMATED)

INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)	SM 2540 C-2015	GRAVIMETRIC (180)
RESIDUE, NONFILTERABLE (TSS)	SM 2540 D-2015	GRAVIMETRIC 103-105

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CLEAN WATER ACT

MICROBIOLOGY

E.COLI (MPN)
FECAL COLIFORM (MPN)

SM 9223 B-2016
COLILERT-18 (2010)

COLILERT/COLILERT-18
MULTIPLE WELL

SAFE DRINKING WATER ACT

INORGANIC - DEMAND

TOTAL AND DISSOLVED ORGANIC CARBON

SM 5310 B-2014

HIGH TEMPERATURE COMBUSTION (TOC)

INORGANIC - MINERAL

ALKALINITY
CALCIUM - HARDNESS (CACO3)
CHLORIDE
FLUORIDE
HYDROGEN-ION CONC. (PH)
SPECIFIC CONDUCTANCE
SULFATE

SM 2320 B-2011
SM 3500-CA B-2011
EPA 300.0 (1993)
EPA 300.0 (1993)
SM 4500-H B-2011
SM 2510 B-2011
EPA 300.0 (1993)

TITRIMETRIC
TITRIMETRIC (EDTA)
ION CHROMATOGRAPHY
ION CHROMATOGRAPHY
ELECTROMETRIC MEASUREMENT
CONDUCTANCE AT 25 DEGREES C
ION CHROMATOGRAPHY

INORGANIC - MISCELLANEOUS

RESIDUAL CHLORINE
TEMPERATURE
TURBIDITY

SM 4500-CL G-2011
SM 2550 B-2010
SM 2130 B-2011

DPD COLORIMETRIC METHOD
THERMOMETRIC
NEPHELOMETRIC

INORGANIC - NUTRIENT

NITRATE-NITROGEN
NITRITE-NITROGEN
ORTHOPHOSPHATE
PHOSPHORUS

EPA 300.0 (1993)
EPA 300.0 (1993)
SM 4500-P E-2011
EPA 365.1 (1993)

ION CHROMATOGRAPHY
ION CHROMATOGRAPHY
ASCORBIC ACID (MANUAL SINGLE REAGENT)
ASCORBIC ACID (AUTOMATED)

INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)

SM 2540 C-2015

GRAVIMETRIC (180)

MICROBIOLOGY

HETEROTROPHIC BACTERIA
HETEROTROPHIC BACTERIA

SIMPLATE (2000)
SM 9215 B-2016

IDEXX SIMPLATE MULTIPLE WELL TEST METHOD
POUR PLATE METHOD

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SAFE DRINKING WATER ACT

MICROBIOLOGY

TOTAL COLIFORM/E.COLI
TOTAL COLIFORM/E.COLI(MPN)

SM 9223 B-2016
SM 9223 B-2016

COLILERT/COLILERT-18
COLILERT/COLILERT-18