



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: October 06, 2020  
Date of Expiration: May 17, 2023  
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)  
Laboratory Director: BRYANT BOYD  
Certifying Authority: SC  
Certificate Number: 32571001**

**Date of Issue: October 06, 2020  
Expiration Date: May 17, 2023**

**CLEAN WATER ACT**

**INORGANIC - DEMAND**

BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210 B-2011	5 DAY DO DEPLETION
CARBONACEOUS BOD	SM 5210 B-2011	5 DAY DO DEPLETION
CHEMICAL OXYGEN DEMAND (COD)	HACH 8000 (1979)	SPECTROPHOTOMETRIC (MANUAL OR AUTOMATED)
DISSOLVED OXYGEN	SM 4500-O G-2011	ELECTRODE

**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 CaCO3)	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-NH3 D-2011	ELECTRODE
NITRATE-NITRITE (NO2&NO3)	EPA 300.0 (1993)	ION CHROMATOGRAPHY
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	SM 4500-P B(5)-2011	DIGESTION
PHOSPHORUS	SM 4500-P E-2011	ASCORBIC ACID (MANUAL SINGLE REAGENT)

**INORGANIC - RESIDUE**

RESIDUE, FILTERABLE (TDS)	SM 2540 C-2011	GRAVIMETRIC (180)
RESIDUE, NONFILTERABLE (TSS)	SM 2540 D-2011	GRAVIMETRIC 103-105

**MICROBIOLOGY**

E. COLI (MPN)	SM 9223 B-2004	COLILERT/COLILERT-18
---------------	----------------	----------------------

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

**ACCESS ANALYTICAL INC (Laboratory ID 32571)**  
**Laboratory Director: BRYANT BOYD**  
**Certifying Authority: SC**  
**Certificate Number: 32571001**

**Date of Issue: October 06, 2020**  
**Expiration Date: May 17, 2023**

**CLEAN WATER ACT**

**MICROBIOLOGY**

FECAL COLIFORM (MPN)

COLILERT-18 (2010)

MULTIPLE WELL

**SAFE DRINKING WATER ACT**

**DISINFECTION BY-PRODUCTS**

UV254

SM 5910 B-2011

UV-ABSORBING ORGANIC CONSTITUENTS

**INORGANIC - DEMAND**

TOTAL AND DISSOLVED ORGANIC CARBON

SM 5310 B-2011

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  
 SM 4500-P E-2011

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

**INORGANIC - RESIDUE**

RESIDUE, FILTERABLE (TDS)

SM 2540 C-2011

GRAVIMETRIC (180)

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

**ACCESS ANALYTICAL INC (Laboratory ID 32571)  
Laboratory Director: BRYANT BOYD  
Certifying Authority: SC  
Certificate Number: 32571001**

**Date of Issue: October 06, 2020  
Expiration Date: May 17, 2023**

**SAFE DRINKING WATER ACT**

**MICROBIOLOGY**

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

SM 9215 B-2004  
SM 9223 B-2004  
SM 9223 B-2004

POUR PLATE METHOD  
COLILERT/COLILERT-18  
COLILERT/COLILERT-18