



South Carolina 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"

UL LLC
110 S HILL ST
SOUTH BEND, INDIANA 46617-2702

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of 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: YONGTAO (BRUCE) LI PH D
Certifying Authority: FL
Date of Issue: January 20, 2012
Date of Expiration: June 30, 2012
Certificate Number: 95005001

Director

Office of Environmental Laboratory Certification

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

UL LLC (Laboratory ID 95005)
Laboratory Director: YONGTAO (BRUCE) LI PH D
Certifying Authority: FL
Certificate Number: 95005001

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SAFE DRINKING WATER ACT

DISINFECTION BY-PRODUCTS

BROMATE	EPA 300.1 (1997)
BROMATE	EPA 317.0 (2001)
BROMIDE	EPA 300.0 (1993)
CHLORITE	EPA 300.0 (1993)
UV254	SM 5910B (19TH)

INORGANIC - DEMAND

TOTAL AND DISSOLVED ORGANIC CARBON	SM 5310C (19TH)
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INORGANIC - MINERAL

ALKALINITY	SM 2320B-97
CHLORIDE	EPA 300.0 (1993)
FLUORIDE	EPA 300.0 (1993)
FLUORIDE	SM 4500F-C-97
HYDROGEN-ION CONC. (PH)	EPA 150.1 (1983)
SPECIFIC CONDUCTANCE	SM 2510B (20TH)
SULFATE	EPA 300.0 (1993)

INORGANIC - MISCELLANEOUS

CYANIDE	EPA 335.4 (1993)
TURBIDITY	EPA 180.1 (1993)

INORGANIC - NUTRIENT

NITRATE-NITROGEN	EPA 300.0 (1993)
NITRATE-NITROGEN	EPA 353.2 (1993)
NITRITE-NITROGEN	EPA 353.2 (1993)
ORTHOPHOSPHATE	SM 4500PE (19TH)

INORGANIC - RADIOLOGICAL

URANIUM	EPA 200.8 (1994)
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INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)	SM 2540C (18TH)
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INORGANIC - TRACE METAL

ALUMINUM	EPA 200.7 (1994)
ALUMINUM	EPA 200.8 (1994)
ANTIMONY	EPA 200.8 (1994)
ARSENIC	EPA 200.8 (1994)

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INORGANIC - TRACE METAL

BARIUM	EPA 200.8 (1994)
BERYLLIUM	EPA 200.8 (1994)
CADMIUM	EPA 200.8 (1994)
CALCIUM	EPA 200.7 (1994)
CHROMIUM	EPA 200.8 (1994)
COPPER	EPA 200.8 (1994)
IRON	EPA 200.7 (1994)
LEAD	EPA 200.8 (1994)
MAGNESIUM	EPA 200.7 (1994)
MANGANESE	EPA 200.7 (1994)
MANGANESE	EPA 200.8 (1994)
MERCURY	EPA 245.1 (1994)
NICKEL	EPA 200.8 (1994)
SELENIUM	EPA 200.8 (1994)
SILICA, TOTAL	EPA 200.7 (1994)
SILVER	EPA 200.7 (1994)
SILVER	EPA 200.8 (1994)
SODIUM	EPA 200.7 (1994)
THALLIUM	EPA 200.8 (1994)
ZINC	EPA 200.8 (1994)

MICROBIOLOGY

HETEROTROPHIC BACTERIA	SIMPLATE
TOTAL COLIFORM/E.COLI	COLISURE TEST
TOTAL COLIFORM/E.COLI(MPN)	SM 9223B (20TH)

SYNTHETIC ORGANIC COMPOUNDS (SOCS)

CHLORINATED ACIDS - GC/ECD	EPA 515.3 (1996)
DIQUAT & PARAQUAT - HPLV/UV	EPA 549.2 (1997)
EDB, DBCP AND 1,2,3 TCP BY MICROEXT.-GC	EPA 504.1 (1995)
ENDOTHALL - GC/MS	EPA 548.1 (1992)
GLYPHOSATE - HPLC/FLUORESCENCE	EPA 547 (1990)
HALOACETIC ACIDS & DALAPON - GC/ECD	EPA 552.2 (1995)
N-METHYLCARB. & CARBAMATES-HPLC	EPA 531.1 (1995)
ORG. COMPOUNDS BY LIQ. SOL. EXT. - GC/M	EPA 525.2 (1995)
ORGANOHALIDE PEST & PCBS BY MICROEXT. -	EPA 505 (1995)

TRIHALOMETHANES

PURGEABLE ORGANICS - GC/MS	EPA 524.2 (1995)
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VOLATILES (VOCS)

PURGEABLE ORGANICS - GC/MS	EPA 524.2 (1995)
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---SYNTHETIC ORGANIC COMPOUNDS (SOCS)---	EPA 531.1 (1995)	EPA 524.2 (1995)
EPA 504.1 (1995)	3-HYDROXYCARBOFURAN ALDICARB ALDICARB SULFONE ALDICARB SULFOXIDE CARBOFURAN METHOMYL OXAMYL	1,2-DICHLOROETHANE 1,2-DICHLOROPROPANE 1,4-DICHLOROBENZENE BENZENE CARBON TETRACHLORIDE CHLOROBENZENE CIS-1,2-DICHLOROETHENE ETHYLBENZENE METHYLENE CHLORIDE STYRENE TETRACHLOROETHENE TOLUENE
EPA 505 (1995)	CHLORDANE PCBS (AS AROCLORS) TOXAPHENE	TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE XYLENE, TOTAL
EPA 515.3 (1996)	GLYPHOSATE	
EPA 548.1 (1992)	ENDOTHALL	
EPA 549.2 (1997)	DIQUAT	
EPA 552.2 (1995)	DIBROMOACETIC ACID DICHLOROACETIC ACID MONOBROMOACETIC ACID MONOCHLOROACETIC ACID TRICHLOROACETIC ACID	
	-----TRIALOMETHANES-----	
EPA 524.2 (1995)	BROMODICHLOROMETHANE BROMOFORM CHLORODIBROMOMETHANE CHLOROFORM	
	-----VOLATILES (VOCs)-----	
EPA 524.2 (1995)	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHENE 1,2,4-TRICHLOROETHENE 1,2-DICHLOROBENZENE	