

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

PRISM LABORATORIES INC (Laboratory ID 99012)
Laboratory Director: HELMUTH M JANSSEN
Certifying Authority: NC
Certificate Number: 99012001

Date of Issue: February 14, 2018
Expiration Date: December 31, 2018

CLEAN WATER ACT

INORGANIC - DEMAND

BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210 B-2011	5 DAY DO DEPLETION
CHEMICAL OXYGEN DEMAND (COD)	SM 5220 D-2011	SPECTROPHOTOMETRIC, MANUAL OR AUTOMATED
DISSOLVED OXYGEN	SM 4500-O G-2011	ELECTRODE

INORGANIC - MINERAL

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	SM 2120 B-2011	VISUAL - PLATINUM COBALT
CYANIDE	SM 4500-CN E-2011	SPECTROPHOTOMETRIC (MANUAL)
OIL & GREASE	EPA 1664B (2010)	OIL & GREASE - HEM/SGT-HEM
PHENOLICS, TOTAL RECOVERABLE	EPA 420.1 (1978)	MANUAL DISTILLATION WITH COLORIMETRIC(4AAP)
RESIDUAL CHLORINE	SM 4500-CL G-2011	DPD COLORIMETRIC METHOD
SULFIDE	SM 4500-S2 C-2011	SAMPLE PRETREATMENT OR CONCENTRATION
SULFIDE	SM 4500-S2 F-2011	TITRIMETRIC (IODINE)
SURFACTANTS (MBAS)	SM 5540 C-2011	COLORIMETRIC (METHYLENE BLUE)
TEMPERATURE	SM 2550 B-2010	THERMOMETRIC
TURBIDITY	EPA 180.1 (1993)	NEPHELOMETRIC

INORGANIC - NUTRIENT

AMMONIA-NITROGEN	SM 4500-NH3 B-2011	DISTILLATION
AMMONIA-NITROGEN	SM 4500-NH3 C-2011	TITRATION
NITRATE-NITRITE (NO ₂ &NO ₃)	EPA 300.0 (1993)	ION CHROMATOGRAPHY
NITRATE-NITROGEN	EPA 300.0 (1993)	ION CHROMATOGRAPHY
NITRITE-NITROGEN	EPA 300.0 (1993)	ION CHROMATOGRAPHY
NITRITE-NITROGEN	SM 4500-NO2 B-2011	SPECTROPHOTOMETRIC (MANUAL)
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)

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INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)	SM 2540 C-2011	GRAVIMETRIC (180)
RESIDUE, NONFILTERABLE (TSS)	SM 2540 D-2011	GRAVIMETRIC 103-105
RESIDUE, SETTLEABLE (SS)	SM 2540 F-2011	VOLUMETRIC (IMHOFF CONE) OR GRAVIMETRIC
RESIDUE, TOTAL (TS)	SM 2540 B-2011	GRAVIMETRIC 103-105

INORGANIC - TRACE METAL

ALUMINUM	EPA 200.7 (1994)	ICP/AES
ANTIMONY	EPA 200.7 (1994)	ICP/AES
ARSENIC	EPA 200.7 (1994)	ICP/AES
BARIUM	EPA 200.7 (1994)	ICP/AES
BERYLLIUM	EPA 200.7 (1994)	ICP/AES
CADMIUM	EPA 200.7 (1994)	ICP/AES
CALCIUM	EPA 200.7 (1994)	ICP/AES
CHROMIUM	EPA 200.7 (1994)	ICP/AES
COBALT	EPA 200.7 (1994)	ICP/AES
COPPER	EPA 200.7 (1994)	ICP/AES
IRON	EPA 200.7 (1994)	ICP/AES
LEAD	EPA 200.7 (1994)	ICP/AES
MAGNESIUM	EPA 200.7 (1994)	ICP/AES
MANGANESE	EPA 200.7 (1994)	ICP/AES
MERCURY	EPA 245.1 (1994)	COLD VAPOR (MANUAL)
MOLYBDENUM	EPA 200.7 (1994)	ICP/AES
NICKEL	EPA 200.7 (1994)	ICP/AES
SELENIUM	EPA 200.7 (1994)	ICP/AES
SILVER	EPA 200.7 (1994)	ICP/AES
THALLIUM	EPA 200.7 (1994)	ICP/AES
TIN	EPA 200.7 (1994)	ICP/AES
VANADIUM	EPA 200.7 (1994)	ICP/AES
ZINC	EPA 200.7 (1994)	ICP/AES

MICROBIOLOGY

FECAL COLIFORM (MF)	SM 9222 D-2006	MEMBRANE FILTRATION
TOTAL COLIFORM (MF)	SM 9222 B-2006	MEMBRANE FILTRATION

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SOLID & HAZARDOUS WASTES

INORGANIC - HAZARDOUS WASTE CHARACTERISTICS

TCLP - BOTTLE EXTRACTION	EPA 1311 (1992)	TOXICITY CHARACTERISTIC LEACHING PROCEDURE
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INORGANIC - MINERAL

CHLORIDE	EPA 9056A (2007)	ION CHROMATOGRAPHY
FLUORIDE	EPA 9056A (2007)	ION CHROMATOGRAPHY
SULFATE	EPA 9056A (2007)	ION CHROMATOGRAPHY

INORGANIC - NUTRIENT

NITRATE-NITROGEN	EPA 9056A (2007)	ION CHROMATOGRAPHY
NITRITE-NITROGEN	EPA 9056A (2007)	ION CHROMATOGRAPHY

INORGANIC - TRACE METAL

ALUMINUM	EPA 6010D (2014)	ICP/AES
ALUMINUM	EPA 6020B (2014)	ICP/MS
ANTIMONY	EPA 6010D (2014)	ICP/AES
ANTIMONY	EPA 6020B (2014)	ICP/MS
ARSENIC	EPA 6010D (2014)	ICP/AES
ARSENIC	EPA 6020B (2014)	ICP/MS
BARIUM	EPA 6010D (2014)	ICP/AES
BARIUM	EPA 6020B (2014)	ICP/MS
BERYLLIUM	EPA 6010D (2014)	ICP/AES
BERYLLIUM	EPA 6020B (2014)	ICP/MS
CADMIUM	EPA 6010D (2014)	ICP/AES
CADMIUM	EPA 6020B (2014)	ICP/MS
CALCIUM	EPA 6010D (2014)	ICP/AES
CHROMIUM	EPA 6010D (2014)	ICP/AES
CHROMIUM	EPA 6020B (2014)	ICP/MS
COBALT	EPA 6010D (2014)	ICP/AES
COBALT	EPA 6020B (2014)	ICP/MS
COPPER	EPA 6010D (2014)	ICP/AES
COPPER	EPA 6020B (2014)	ICP/MS
IRON	EPA 6010D (2014)	ICP/AES
IRON	EPA 6020B (2014)	ICP/MS
LEAD	EPA 6010D (2014)	ICP/AES
LEAD	EPA 6020B (2014)	ICP/MS
MAGNESIUM	EPA 6010D (2014)	ICP/AES
MANGANESE	EPA 6010D (2014)	ICP/AES

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INORGANIC - TRACE METAL

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
MOLYBDENUM	EPA 6010D (2014)	ICP/AES
NICKEL	EPA 6010D (2014)	ICP/AES
NICKEL	EPA 6020B (2014)	ICP/MS
SELENIUM	EPA 6010D (2014)	ICP/AES
SELENIUM	EPA 6020B (2014)	ICP/MS
SILVER	EPA 6010D (2014)	ICP/AES
SILVER	EPA 6020B (2014)	ICP/MS
THALLIUM	EPA 6010D (2014)	ICP/AES
THALLIUM	EPA 6020B (2014)	ICP/MS
TIN	EPA 6010D (2014)	ICP/AES
VANADIUM	EPA 6010D (2014)	ICP/AES
VANADIUM	EPA 6020B (2014)	ICP/MS
ZINC	EPA 6010D (2014)	ICP/AES
ZINC	EPA 6020B (2014)	ICP/MS

SEMI-VOLATILES

EDB & DBCP BY MICROEXTRACTION AND GC	EPA 8011 (1992)	
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D (2014)	EPA 3550C (2007)
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D (2014)	EPA 3510C (1996)

VOLATILES (VOCS)

VOLATILE ORGANICS BY GC/MS	EPA 8260B (1996)	EPA 5035 (1996)
VOLATILE ORGANICS BY GC/MS	EPA 8260B (1996)	EPA 5030B (1996)
VOLATILE ORGANICS BY GC/MS	EPA 8260B (SIM) (1996)	EPA 5030B (1996)

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-----SEMI-VOLATILES-----

EPA 8011 (1992)
1,2-DIBROMO-3-CHLOROPROPANE(DBCP)
1,2-DIBROMOETHANE (EDB)

EPA 8270D (2014)
EPA 3510C (1996)

1,2,4-TRICHLOROBENZENE
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
2,3,4,6-TETRACHLOROPHENOL
2,4,5-TRICHLOROPHENOL
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)
2,6-DINITROTOLUENE (2,6-DNT)
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-METHYLNAPHTHALENE
2-METHYLPHENOL
2-NITROANILINE
2-NITROPHENOL
3,3-DICHLOROBENZIDINE
3-METHYLPHENOL
3-NITROANILINE
4,6-DINITRO-2-METHYLPHENOL
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROANILINE
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROANILINE
4-NITROPHENOL
ACENAPHTHENE
ACENAPHTHYLENE
ANILINE
ANTHRACENE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE

EPA 8270D (2014)
EPA 3510C (1996)

BENZYL ALCOHOL
BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
BUTYL BENZYL PHTHALATE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIBENZO(A,H)ANTHRACENE
DIBENZOFURAN
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
FLUORANTHENE
FLUORENE
HEXACHLOROBENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
INDENO(1,2,3-CD)PYRENE
ISOPHORONE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIPHENYLAMINE
N-NITROSOMORPHOLINE
NAPHTHALENE
NITROBENZENE (NB)
PENTACHLOROPHENOL
PHENANTHRENE
PHENOL
PYRENE
PYRIDINE

EPA 8270D (2014)
EPA 3550C (2007)

1,2,4-TRICHLOROBENZENE
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
2,4,5-TRICHLOROPHENOL
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)

EPA 8270D (2014)
EPA 3550C (2007)

2,6-DINITROTOLUENE (2,6-DNT)
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-METHYLNAPHTHALENE
2-METHYLPHENOL
2-NITROANILINE
2-NITROPHENOL
3,3-DICHLOROBENZIDINE
3-METHYLPHENOL
3-NITROANILINE
4,6-DINITRO-2-METHYLPHENOL
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROANILINE
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROANILINE
4-NITROPHENOL
ACENAPHTHENE
ACENAPHTHYLENE
ANILINE
ANTHRACENE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE
BENZYL ALCOHOL
BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
BUTYL BENZYL PHTHALATE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIBENZO(A,H)ANTHRACENE
DIBENZOFURAN
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
FLUORANTHENE
FLUORENE
HEXACHLOROBENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE

EPA 8270D (2014)
EPA 3550C (2007)

HEXACHLOROETHANE
INDENO(1,2,3-CD)PYRENE
ISOPHORONE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
NAPHTHALENE
NITROBENZENE (NB)
PENTACHLOROPHENOL
PHENANTHRENE
PHENOL
PYRENE
PYRIDINE

-----VOLATILES (VOCS)-----

EPA 8260B (1996)
EPA 5030B (1996)

1,1,1,2-TETRACHLOROETHANE
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,1-DICHLOROPROPENE
1,2,3-TRICHLOROBENZENE
1,2,3-TRICHLOROPROPANE
1,2,4-TRICHLOROBENZENE
1,2,4-TRIMETHYLBENZENE
1,2-DIBROMO-3-CHLOROPROPANE(DBCP)
1,2-DIBROMOETHANE (EDB)
1,2-DICHLOROBENZENE
1,2-DICHLOROETHANE
1,2-DICHLOROPROPANE
1,3,5-TRIMETHYLBENZENE
1,3-DICHLOROBENZENE
1,3-DICHLOROPROPANE
1,4-DICHLOROBENZENE
2,2-DICHLOROPROPANE
2-CHLOROETHYL VINYL ETHER
2-CHLOROTOLUENE
2-HEXANONE
4-CHLOROTOLUENE
4-METHYL-2-PENTANONE

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-----VOLATILES (VOCS)-----

EPA 8260B (1996) EPA 5030B (1996)	EPA 8260B (1996) EPA 5030B (1996)	EPA 8260B (1996) EPA 5035 (1996)
ACETONE	XYLENE, TOTAL	CHLOROFORM
ACROLEIN	EPA 8260B (1996) EPA 5035 (1996)	CHLOROMETHANE
ACRYLONITRILE		CIS-1,2-DICHLOROETHENE
BENZENE		CIS-1,3-DICHLOROPROPENE
BROMOBENZENE		DIBROMOMETHANE
BROMOCHLOROMETHANE		DICHLORODIFLUOROMETHANE
BROMODICHLOROMETHANE		ETHYLBENZENE
BROMOFORM		HEXACHLOROBUTADIENE
BROMOMETHANE		ISOPROPYLBENZENE
CARBON DISULFIDE		METHYL ETHYL KETONE (MEK)
CARBON TETRACHLORIDE		METHYL TERT BUTYL ETHER (MTBE)
CHLOROBENZENE		METHYLENE CHLORIDE
CHLORODIBROMOMETHANE		N-BUTYLBENZENE
CHLOROETHANE		N-PROPYLBENZENE
CHLOROFORM		NAPHTHALENE
CHLOROMETHANE		P-ISOPROPYLTOLUENE
CIS-1,2-DICHLOROETHENE		SEC-BUTYLBENZENE
CIS-1,3-DICHLOROPROPENE		STYRENE
DIBROMOMETHANE		TERT-BUTYLBENZENE
DICHLORODIFLUOROMETHANE		TETRACHLOROETHENE
ETHYLBENZENE		1,1,1,2-TETRACHLOROETHANE
HEXACHLOROBUTADIENE		1,1,1-TRICHLOROETHANE
IODOMETHANE		1,1,2,2-TETRACHLOROETHANE
ISOPROPYLBENZENE		1,1,2-TRICHLOROETHANE
METHYL ETHYL KETONE (MEK)		1,1-DICHLOROETHANE
METHYL TERT BUTYL ETHER (MTBE)		1,1-DICHLOROETHENE
METHYLENE CHLORIDE		1,1-DICHLOROPROPENE
N-BUTYLBENZENE		1,2,3-TRICHLOROBENZENE
N-PROPYLBENZENE		1,2,3-TRICHLOROPROPANE
NAPHTHALENE		1,2,4-TRICHLOROBENZENE
P-ISOPROPYLTOLUENE		1,2,4-TRIMETHYLBENZENE
SEC-BUTYLBENZENE		1,2-DIBROMO-3-CHLOROPROPANE(DBCP)
STYRENE		1,2-DIBROMOETHANE (EDB)
TERT-BUTYLBENZENE		1,2-DICHLOROBENZENE
TETRACHLOROETHENE		1,2-DICHLOROPROPANE
TOLUENE		1,2-DICHLOROPROPENE
TRANS-1,2-DICHLOROETHENE		1,3,5-TRIMETHYLBENZENE
TRANS-1,3-DICHLOROPROPENE		1,3-DICHLOROBENZENE
TRANS-1,4-DICHLORO-2-BUTENE		1,3-DICHLOROPROPANE
TRICHLOROETHENE		1,4-DICHLOROBENZENE
TRICHLOROFLUOROMETHANE		2,2-DICHLOROPROPANE
VINYL ACETATE		2-CHLOROETHYL VINYL ETHER
VINYL CHLORIDE		2-CHLOROTOLUENE
		2-HEXANONE
		4-CHLOROTOLUENE
		4-METHYL-2-PENTANONE
		ACETONE
		ACROLEIN
		ACRYLONITRILE
		BENZENE
		BROMOBENZENE
		BROMOCHLOROMETHANE
		BROMODICHLOROMETHANE
		BROMOFORM
		BROMOMETHANE
		CARBON DISULFIDE
		CARBON TETRACHLORIDE
		CHLOROBENZENE
		CHLORODIBROMOMETHANE
		CHLOROETHANE
		EPA 8260B (SIM) (1996) EPA 5030B (1996)
		1,4-DIOXANE