



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 Regulation,"

***XENCO LABORATORIES  
6017 FINANCIAL DR  
NORCROSS, GEORGIA 30071***

*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: TIMOTHY WELCH  
Certifying Authority: FL  
Date of Issue: April 15, 2009  
Date of Expiration: June 30, 2009  
Certificate Number: 98015001***

Director

Office of Environmental Laboratory Certification

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

**XENCO LABORATORIES (Laboratory ID 98015)**  
**Laboratory Director: TIMOTHY WELCH**  
**Certifying Authority: FL**  
**Certificate Number: 98015001**

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**CLEAN WATER ACT**

**INORGANIC - DEMAND**

CARBONACEOUS BOD	SM 5210B (18TH)
CHEMICAL OXYGEN DEMAND (COD)	SM 5220D (18TH)

**INORGANIC - MINERAL**

ALKALINITY	SM 2320B (19TH)
HYDROGEN-ION CONC. (PH)	SM 4500HB (18TH)

**INORGANIC - MISCELLANEOUS**

OIL & GREASE	EPA 1664A
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**INORGANIC - NUTRIENT**

AMMONIA-NITROGEN	SM 4500NH3C (19TH)
KJELDAHL-NITROGEN	SM 4500NH3C (19TH)
PHOSPHORUS	SM 4500PE (18TH)

**INORGANIC - RESIDUE**

RESIDUE, NONFILTERABLE (TSS)	SM 2540D (18TH)
RESIDUE, VOLATILE (VS)	EPA 160.4 (1979)
SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (18TH)

**SOLID & HAZARDOUS WASTES**

**HERBICIDES**

CHLORINATED HERBICIDES BY GC	EPA 8151A
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**INORGANIC - HAZARDOUS WASTE CHARACTERISTICS**

TCLP - BOTTLE EXTRACTION	EPA 1311
TCLP - ZERO HEADSPACE	EPA 1311

**INORGANIC - MINERAL**

HYDROGEN-ION CONC. (PH)	EPA 9040C
HYDROGEN-ION CONC. (PH) (SOIL AND WAST	EPA 9045D
SPECIFIC CONDUCTANCE	EPA 9050A
SULFATE	EPA 9056A

**INORGANIC - MISCELLANEOUS**

CYANIDE	EPA 9014
CYANIDE DISTILLATION	EPA 9010C

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**SOLID & HAZARDOUS WASTES**

**INORGANIC - NUTRIENT**

NITRATE-NITROGEN	EPA 9056A
NITRITE-NITROGEN	EPA 9056A

**INORGANIC - TRACE METAL**

ALUMINUM	EPA 6010C
ANTIMONY	EPA 6010C
ARSENIC	EPA 6010C
BARIUM	EPA 6010C
BERYLLIUM	EPA 6010C
CADMIUM	EPA 6010C
CALCIUM	EPA 6010C
CHROMIUM	EPA 6010C
COBALT	EPA 6010C
COPPER	EPA 6010C
IRON	EPA 6010C
LEAD	EPA 6010C
MAGNESIUM	EPA 6010C
MANGANESE	EPA 6010C
MERCURY	EPA 7470A
MERCURY	EPA 7471B
NICKEL	EPA 6010C
POTASSIUM	EPA 6010C
SELENIUM	EPA 6010C
SILVER	EPA 6010C
SODIUM	EPA 6010C
THALLIUM	EPA 6010C
VANADIUM	EPA 6010C
ZINC	EPA 6010C

**PCBS AND PESTICIDES**

ORGANOCHLORINE PESTICIDES BY GC	EPA 8081B	EPA 3520C
ORGANOCHLORINE PESTICIDES BY GC	EPA 8081B	EPA 3545A
ORGANOCHLORINE PESTICIDES BY GC	EPA 8081B	EPA 3580A
POLYCHLORINATED BIPHENYLS BY GC	EPA 8082A	EPA 3520C
POLYCHLORINATED BIPHENYLS BY GC	EPA 8082A	EPA 3545A
POLYCHLORINATED BIPHENYLS BY GC	EPA 8082A	EPA 3580A

**SEMI-VOLATILES**

EDB & DBCP BY MICROEXTRACTION AND GC	EPA 8011	
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D	EPA 3520C
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D	EPA 3580A
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D	EPA 3545A

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**SOLID & HAZARDOUS WASTES**

**VOLATILES (VOCS)**

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

EPA 8260B  
EPA 8260B  
EPA 8260B

EPA 3585  
EPA 5030B  
EPA 5035





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SOLID & HAZARDOUS WASTES

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

EPA 8260B  
EPA 5030B

TETRACHLOROETHENE  
TOLUENE  
TRANS-1,2-DICHLOROETHENE  
TRANS-1,3-DICHLOROPROPENE  
TRICHLOROETHENE  
TRICHLOROFLUOROMETHANE  
VINYL CHLORIDE

EPA 8260B  
EPA 5035

1,1,1-TRICHLOROETHANE  
1,1,2,2-TETRACHLOROETHANE  
1,1,2-TRICHLOROETHANE  
1,1-DICHLOROETHENE  
1,2-DICHLOROBENZENE  
1,2-DICHLOROETHANE  
1,2-DICHLOROPROPANE  
1,3-DICHLOROBENZENE  
1,4-DICHLOROBENZENE  
BENZENE  
BROMOFORM  
BROMOMETHANE  
CARBON TETRACHLORIDE  
CHLOROBENZENE  
CHLORODIBROMOMETHANE  
CHLOROFORM  
CHLOROMETHANE  
CIS-1,3-DICHLOROPROPENE  
ETHYLBENZENE  
METHYLENE CHLORIDE  
TETRACHLOROETHENE  
TOLUENE  
TRANS-1,2-DICHLOROETHENE  
TRANS-1,3-DICHLOROPROPENE  
TRICHLOROETHENE  
TRICHLOROFLUOROMETHANE  
VINYL CHLORIDE