



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"

PEL A DIVISION OF SPECTRUM ANALYTICAL
8405 BENJAMIN RD STE A
TAMPA, FLORIDA 33634

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: BRIAN SPANN
Certifying Authority: FL
Date of Issue: November 22, 2009
Date of Expiration: June 30, 2010
Certificate Number: 96011001



Director
Office of Environmental Laboratory Certification

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

PEL A DIVISION OF SPECTRUM ANALYTICAL (Laboratory ID 96011)
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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

ARSENIC	EPA 6010C
BARIUM	EPA 6010C
CADMIUM	EPA 6010C
CHROMIUM	EPA 6010C
LEAD	EPA 6010C
MERCURY	EPA 7470A
MERCURY	EPA 7471B
SELENIUM	EPA 6010C
SILVER	EPA 6010C

SEMI-VOLATILES

SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D	EPA 3510C
SEMIVOLATILE ORGANICS BY GC/MS	EPA 8270D	EPA 3545A

VOLATILES (VOCS)

OXYGENATE VOLATILE ORGANICS BY GC/MS	EPA 8260B-OXY	EPA 5030B
VOLATILE ORGANICS BY GC/MS	EPA 8260B	EPA 5030B
VOLATILE ORGANICS BY GC/MS	EPA 8260B	EPA 5035

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SOLID & HAZARDOUS WASTES

-----SEMI-VOLATILES----- EPA 8270D EPA 3510C	EPA 8270D EPA 3510C	EPA 8270D EPA 3545A
1,2,4,5-TETRACHLOROBENZENE 1,2,4-TRICHLOROBENZENE 1,2-DICHLOROBENZENE 1,3,5-TRINITROBENZENE (1,3,5-TNB) 1,3-DICHLOROBENZENE 1,3-DINITROBENZENE (1,3-DNB) 1,4-DICHLOROBENZENE 1,4-NAPHTHOQUINONE 1-NAPHTHYLAMINE 2,3,4,6-TETRACHLOROPHENOL 2,4,5-TRICHLOROPHENOL 2,4,6-TRICHLOROPHENOL 2,4-DICHLOROPHENOL 2,4-DIMETHYLPHENOL 2,4-DINITROBENZENE (2,4-DNT) 2,6-DICHLOROPHENOL 2,6-DINITROFLOUENE (2,6-DNT) 2-ACETYLAMINOFLUORENE 2-CHLORONAPHTHALENE 2-CHLOROPHENOL 2-METHYLNAPHTHALENE 2-METHYLPHENOL 2-NAPHTHYLAMINE 2-NITROANILINE 2-NITROPHENOL 2-PICOLINE (2-METHYLPYRIDINE) 3,3-DICHLOROBENZIDINE 3-METHYLCHOLANTHRENE 3-NITROANILINE 4,6-DINITRO-2-METHYLPHENOL 4-AMINOBIIPHENYL 4-BROMOPHENYLPHENYL ETHER 4-CHLORO-3-METHYLPHENOL 4-CHLOROANILINE 4-CHLOROPHENYL PHENYL ETHER 4-METHYLPHENOL 4-NITROANILINE 4-NITROPHENOL 7,12-DIMETHYLBENZ (A) ANTHRACENE A,A-DIMETHYLBENETHYLAmine ACENAPHTHENE ACENAPHTHYLENE ACETOPHENONE ANILINE ANTHRACENE ARAMITE BENZIDINE BENZO(A) ANTHRACENE BENZO(A) PYRENE BENZO(B) FLUORANTHENE BENZO(G,H,I) PERYLENE BENZO(K) FLUORANTHENE BENZOIC ACID BENZYL ALCOHOL BIS(2-CHLOROETHOXY) METHANE BIS(2-CHLOROETHYL) ETHER BIS(2-CHLOROISOPROPYL) ETHER BIS(2-ETHYLHEXYL) PHTHALATE BUTYL BENZYL PHTHALATE CHLOROBENZILATE CHRYSENE DI-N-BUTYL PHTHALATE DI-N-OCTYL PHTHALATE DIALLATE DIBENZ(A,J)ACRIDINE DIBENZO(A,H)ANTHRACENE DIBENZOFURAN DIETHYL PHTHALATE DIMETHYL PHTHALATE DIMETHYLAMINOAZOBENZENE DINOSEB ETHYL METHANESULFONATE FLUORANTHENE FLUORENE HEXACHLOROBENZENE HEXACHLOROBUTADIENE HEXACHLOROCYCLOPENTADIENE HEXACHLOROETHANE HEXACHLOROPHENE INDENO(1,2,3-CD) PYRENE ISODRIN ISOPHORONE ISOSAFROLE KEPONE METHAPYRILENE METHYL METHANESULFONATE	N-NITROSODI-N-BUTYLAMINE N-NITROSODI-N-PROPYLAMINE N-NITROSODIETHYLAMINE N-NITROSODIMETHYLAMINE N-NITROSODIPHENYLAMINE N-NITROSOMETHYLETHYLAMINE N-NITROSOMORPHOLINE N-NITROSOPIPERIDINE N-NITROSOPYRROLIDINE NAPHTHALENE NITROBENZENE (NB) O,O,O-TRIETHYLPHOSPHOROTHIOATE O-TOLUIDINE PENTACHLOROBENZENE PENTACHLORONITROBENZENE PENTACHLOROPHENOL PHENACETIN PHENANTHRENE PHENOL PYRENE PYRIDINE SAFROLE	2-CHLORONAPHTHALENE 2-CHLOROPHENOL 2-METHYLNAPHTHALENE 2-METHYLPHENOL 2-NAPHTHYLAMINE 2-NITROANILINE 2-NITROPHENOL 2-PICOLINE (2-METHYLPYRIDINE) 3,3-DICHLOROBENZIDINE 3-METHYLCHOLANTHRENE 3-NITROANILINE 4,6-DINITRO-2-METHYLPHENOL 4-AMINOBIIPHENYL 4-BROMOPHENYLPHENYL ETHER 4-CHLORO-3-METHYLPHENOL 4-CHLOROANILINE 4-CHLOROPHENYL PHENYL ETHER 4-METHYLPHENOL 4-NITROANILINE 4-NITROPHENOL A,A-DIMETHYLBENZ (A) ANTHRACENE ACENAPHTHENE ACENAPHTHYLENE ACETOPHENONE ANILINE ANTHRACENE ARAMITE BENZIDINE BENZO(A) ANTHRACENE BENZO(A) PYRENE BENZO(B) FLUORANTHENE BENZO(G,H,I) PERYLENE BENZO(K) FLUORANTHENE BENZOIC ACID BENZYL ALCOHOL BIS(2-CHLOROETHOXY) METHANE BIS(2-CHLOROETHYL) ETHER BIS(2-CHLOROISOPROPYL) ETHER BIS(2-ETHYLHEXYL) PHTHALATE BUTYL BENZYL PHTHALATE CHLOROBENZILATE CHRYSENE DI-N-BUTYL PHTHALATE DI-N-OCTYL PHTHALATE 2-ACETYLAMINOFLUORENE 2-CHLORONAPHTHALENE 2-CHLOROPHENOL 2-METHYLNAPHTHALENE 2-METHYLPHENOL 2-NAPHTHYLAMINE 2-NITROANILINE 2-NITROPHENOL 2-PICOLINE (2-METHYLPYRIDINE) 3,3-DICHLOROBENZIDINE 3-METHYLCHOLANTHRENE 3-NITROANILINE 4,6-DINITRO-2-METHYLPHENOL 4-AMINOBIIPHENYL 4-BROMOPHENYLPHENYL ETHER 4-CHLORO-3-METHYLPHENOL 4-CHLOROANILINE 4-CHLOROPHENYL PHENYL ETHER 4-METHYLPHENOL 4-NITROANILINE 4-NITROPHENOL 5-NITRO-O-TOLUIDINE 7,12-DIMETHYLBENZ (A) ANTHRACENE A,A-DIMETHYLBENETHYLAmine ACENAPHTHENE

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SOLID & HAZARDOUS WASTES

-----SEMI-VOLATILES-----	EPA 8270D	EPA 8260B	1, 1, 2, 2-TETRACHLOROETHANE	EPA 8260B
	EPA 3545A	EPA 5030B	1, 1-DICHLOROETHANE	EPA 5035
			1, 1-DICHLOROETHENE	
			1, 1-DICHLOROPROPANE	
			1, 2, 3-TRICHLOROETHENE	
			1, 2, 3-TRICHLOROPROPANE	
			1, 2, 4-TRICHLOROETHENE	
			1, 2, 4-TRICHLOROPROPANE	
			1, 2, 4-TRIMETHYLBENZENE	
			1, 2-DIBROMO-3-CHLOROPROPANE (DBCP)	
			1, 2-DIBROMOETHANE (EDB)	
			1, 2-DICHLOROETHANE	
			1, 2-DICHLOROETHENE	
			1, 2-DICHLOROPROPANE	
			1, 3, 5-TRIMETHYLBENZENE	
			1, 3-DICHLOROETHENE	
			1, 3-DICHLOROPROPANE	
			1, 4-DICHLOROETHENE	
			1, 4-DICHLOROPROPANE	
			1, 4-DIOXANE	
			1-CHLOROHXANE	
			2, 2-DICHLOROPROPANE	
			2-CHLOROTOLUENE	
			4-METHYL-2-PENTANONE	
			ACETONE	
			ACETONITRILE	
			ACRYLONITRILE	
			BENZENE	
			BROMOBENZENE	
			BROMODICHLOROMETHANE	
			BROMOFORM	
			BROMOMETHANE	
			BROMOTOLUENE	
			CARBON DISULFIDE	
			CARBON TETRACHLORIDE	
			CHLOROBENZENE	
			CHLORODIBROMOMETHANE	
			CHLOROETHANE	
			CHLOROFORM	
			CHLOROMETHANE	
			CHLOROPRENE	
			CIS-1, 2-DICHLOROETHENE	
			CIS-1, 3-DICHLOROPROPENE	
			DIBROMOMETHANE	
			DICHLORODIFLUOROMETHANE	
			ETHYL METHACRYLATE	
			ETHYLBENZENE	
			HEXACHLOROBUTADIENE	
			IODOMETHANE	
			ISOBUTYL ALCOHOL	
			ISOPROPYLBENZENE	
			METHACRYLONITRILE	
			METHYL ETHYL KETONE (MEK)	
			METHYL METHACRYLATE	
			METHYL TERT BUTYL ETHER (MTBE)	
			METHYLENE CHLORIDE	
			N-BUTYLBENZENE	
			N-PROPYLBENZENE	
			NAPHTHALENE	
			PROPIONITRILE	
			SEC-BUTYLBENZENE	
			STYRENE	
			TERT-BUTYLBENZENE	
			TETRACHLOROETHENE	
			TOLUENE	
			TRANS-1, 2-DICHLOROETHENE	
			TRANS-1, 3-DICHLOROPROPENE	
			TRICHLOROETHENE	
			TRICHLOROFLUOROMETHANE	
			VINYL ACETATE	
			VINYL CHLORIDE	
			XYLENE, TOTAL	
				EPA 8260B
				EPA 5035
			1, 1, 1, 2-TETRACHLOROETHANE	
			1, 1, 1-TRICHLOROETHANE	
			1, 1, 2-TETRACHLOROETHANE	
			1, 1-DICHLOROETHANE	
			1, 1-DICHLOROETHENE	
			1, 1-DICHLOROPROPANE	
			1, 2, 3-TRICHLOROETHENE	
			1, 2, 3-TRICHLOROPROPANE	
			1, 2, 4-TRICHLOROETHENE	
			1, 2, 4-TRICHLOROPROPANE	
			1, 2, 4-TRIMETHYLBENZENE	
			1, 2-DIBROMO-3-CHLOROPROPANE (DBCP)	
			1, 2-DIBROMOETHANE (EDB)	
			1, 2-DICHLOROETHANE	
			1, 2-DICHLOROETHENE	
			1, 2-DICHLOROPROPANE	
			1, 3, 5-TRIMETHYLBENZENE	
			1, 3-DICHLOROETHENE	
			1, 3-DICHLOROPROPANE	
			1, 4-DICHLOROETHENE	
			1, 4-DICHLOROPROPANE	
			1, 4-DIOXANE	
			1-CHLOROHXANE	
			2, 2-DICHLOROPROPANE	
			2-CHLOROTOLUENE	
			4-METHYL-2-PENTANONE	
			ACETONE	
			ACETONITRILE	
			ACRYLONITRILE	
			BENZENE	
			BROMOBENZENE	
			BROMODICHLOROMETHANE	
			BROMOFORM	
			BROMOMETHANE	
			BROMOTOLUENE	
			CARBON DISULFIDE	
			CARBON TETRACHLORIDE	
			CHLOROBENZENE	
			CHLORODIBROMOMETHANE	
			CHLOROETHANE	
			CHLOROFORM	
			CHLOROMETHANE	
			CHLOROPRENE	
			CIS-1, 2-DICHLOROETHENE	
			CIS-1, 3-DICHLOROPROPENE	
			DIBROMOMETHANE	
			DICHLORODIFLUOROMETHANE	
			ETHYL METHACRYLATE	
			ETHYLBENZENE	
			HEXACHLOROBUTADIENE	
			IODOMETHANE	
			ISOBUTYL ALCOHOL	
			ISOPROPYLBENZENE	
			METHACRYLONITRILE	
			METHYL ETHYL KETONE (MEK)	
			METHYL METHACRYLATE	
			METHYL TERT BUTYL ETHER (MTBE)	
			METHYLENE CHLORIDE	
			N-BUTYLBENZENE	
			N-PROPYLBENZENE	
			NAPHTHALENE	
			PROPIONITRILE	
			SEC-BUTYLBENZENE	
			STYRENE	
			TERT-BUTYLBENZENE	
			TETRACHLOROETHENE	
			TOLUENE	
			TRANS-1, 2-DICHLOROETHENE	
			TRANS-1, 3-DICHLOROPROPENE	
			TRICHLOROETHENE	
			TRICHLOROFLUOROMETHANE	
			VINYL ACETATE	
			VINYL CHLORIDE	
			XYLENE, TOTAL	
				EPA 8260B
				EPA 5035
			1, 1, 1, 2-TETRACHLOROETHANE	
			1, 1, 1-TRICHLOROETHANE	
			1, 1, 2-TETRACHLOROETHANE	
			1, 1-DICHLOROETHANE	
			1, 1-DICHLOROETHENE	
			1, 1-DICHLOROPROPANE	
			1, 2, 3-TRICHLOROETHENE	
			1, 2, 3-TRICHLOROPROPANE	
			1, 2, 4-TRICHLOROETHENE	
			1, 2, 4-TRICHLOROPROPANE	
			1, 2, 4-TRIMETHYLBENZENE	
			1, 2-DIBROMO-3-CHLOROPROPANE (DBCP)	
			1, 2-DIBROMOETHANE (EDB)	
			1, 2-DICHLOROETHANE	
			1, 2-DICHLOROETHENE	
			1, 2-DICHLOROPROPANE	
			1, 3, 5-TRIMETHYLBENZENE	
			1, 3-DICHLOROETHENE	
			1, 3-DICHLOROPROPANE	
			1, 4-DICHLOROETHENE	
			1, 4-DICHLOROPROPANE	
			1, 4-DIOXANE	
			1-CHLOROHXANE	
			2, 2-DICHLOROPROPANE	
			2-CHLOROTOLUENE	
			4-METHYL-2-PENTANONE	
			ACETONE	
			ACETONITRILE	
			ACRYLONITRILE	
			BENZENE	
			BROMOBENZENE	
			BROMODICHLOROMETHANE	
			BROMOFORM	
			BROMOMETHANE	
			BROMOTOLUENE	
			CARBON DISULFIDE	
			CARBON TETRACHLORIDE	
			CHLOROBENZENE	
			CHLORODIBROMOMETHANE	
			CHLOROETHANE	
			CHLOROFORM	
			CHLOROMETHANE	
			CHLOROPRENE	
			CIS-1, 2-DICHLOROETHENE	
			CIS-1, 3-DICHLOROPROPENE	
			DIBROMOMETHANE	
			DICHLORODIFLUOROMETHANE	
			ETHYL METHACRYLATE	
			ETHYLBENZENE	
			HEXACHLOROBUTADIENE	
			IODOMETHANE	
			ISOBUTYL ALCOHOL	
			ISOPROPYLBENZENE	
			METHACRYLONITRILE	
			METHYL ETHYL KETONE (MEK)	
			METHYL METHACRYLATE	
			METHYL TERT BUTYL ETHER (MTBE)	
			METHYLENE CHLORIDE	
			N-BUTYLBENZENE	
			N-PROPYLBENZENE	
			NAPHTHALENE	
			PROPIONITRILE	
			SEC-BUTYLBENZENE	
			STYRENE	
			TERT-BUTYLBENZENE	
			TETRACHLOROETHENE	
			TOLUENE	
			TRANS-1, 2-DICHLOROETHENE	
			TRANS-1, 3-DICHLOROPROPENE	
			TRICHLOROETHENE	
			TRICHLOROFLUOROMETHANE	
			VINYL ACETATE	
			VINYL CHLORIDE	
			XYLENE, TOTAL	

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SOLID & HAZARDOUS WASTES

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

EPA 8260B
EPA 5035

DICHLORODIFLUOROMETHANE
ETHYL METHACRYLATE
ETHYLBENZENE
HEXACHLOROBUTADIENE
IODOMETHANE
ISOBUTYL ALCOHOL
ISOPROPYLBENZENE
METHACRYLONITRILE
METHYL ETHYL KETONE (MEK)
METHYL METHACRYLATE
METHYL TERT BUTYL ETHER (MTBE)
METHYLENE CHLORIDE
N-BUTYLBENZENE
N-PROPYLBENZENE
NAPHTHALENE
PROPIONITRILE
SEC-BUTYLBENZENE
STYRENE
TERT-BUTYLBENZENE
TETRACHLOROETHENE
TOLUENE
TRANS-1, 2-DICHLOROETHENE
TRANS-1, 3-DICHLOROPROPENE
TRICHLOROETHENE
TRICHLOROFLUOROMETHANE
VINYL ACETATE
VINYL CHLORIDE
XYLENE, TOTAL

EPA 8260B-OXY
EPA 5030B

3, 3-DIMETHYL-1-BUTANOL
DIISOPROPYL ETHER
ETHANOL
ETHYL TERT BUTYL ETHER
T-AMYL ALCOHOL
T-AMYL METHYL ETHER
T-BUTYL ALCOHOL
T-BUTYL FORMATE