



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: October 01, 2010  
Date of Expiration: June 30, 2011  
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)**

**Laboratory Director: BRIAN SPANN**

**Certifying Authority: FL**

**Certificate Number: 96011001**

**Date of Issue: October 01, 2010**

**Expiration Date: June 30, 2011**

**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 8270D	EPA 8270D	EPA 8270D
EPA 3510C	EPA 3510C	EPA 3510C	EPA 3545A
1, 2, 4, 5-TETRACHLOROBENZENE	N-NITROSODI-N-PROPYLAMINE	N-NITROSODI-N-PROPYLAMINE	2-CHLOROPHENOL
1, 2, 4-TRICHLOROBENZENE	N-NITROSODIETHYLAMINE	N-NITROSODIETHYLAMINE	2-METHYLNAPHTHALENE
1, 2-DICHLOROBENZENE	N-NITROSODIMETHYLAMINE	N-NITROSODIMETHYLAMINE	2-METHYLPHENOL
1, 3, 5-TRINITROBENZENE (1, 3, 5-TNB)	N-NITROSODIPHENYLAMINE	N-NITROSODIPHENYLAMINE	2-NAPHTHYLAMINE
1, 3-DICHLOROBENZENE	N-NITROSOMETHYLETHYLAMINE	N-NITROSOMETHYLETHYLAMINE	2-NITROANILINE
1, 3-DINITROBENZENE (1, 3-DNB)	N-NITROSOPHOLINE	N-NITROSOPHOLINE	2-NITROPHENOL
1, 4-NAPHTHOQUINONE	N-NITROSOPYRROLIDINE	N-NITROSOPYRROLIDINE	2-PICOLINE (2-METHYLPYRIDINE)
1-NAPHTHYLAMINE	NAPHTHALENE	NAPHTHALENE	3, 3-DICHLOROBENZIDINE
2, 3, 4, 6-TETRACHLOROPHENOL	NITROBENZENE (NB)	NITROBENZENE (NB)	3-METHYLCHOLANTHRENE
2, 4, 5-TRICHLOROPHENOL	O, O, O-TRIETHYLPHOSPHOROTHIOATE	O, O, O-TRIETHYLPHOSPHOROTHIOATE	3-NITROANILINE
2, 4, 4-TRICHLOROPHENOL	O-TOLUIDINE	O-TOLUIDINE	4-AMINOBIPHENYL
2, 4-DICHLOROPHENOL	PENTACHLOROBENZENE	PENTACHLOROBENZENE	4-BROMOPHENYLPHENYL ETHER
2, 4-DIMETHYLPHENOL	PENTACHLORONITROBENZENE	PENTACHLORONITROBENZENE	4-CHLORO-3-METHYLPHENOL
2, 4-DINITROPHENOL	PHENACETIN	PHENACETIN	4-CHLOROANILINE
2, 6-DINITROTOLUENE (2, 4-DNT)	PHENANTHRENE	PHENANTHRENE	4-CHLOROPHENYL PHENYL ETHER
2-ACETYLAMINOFLUORENE	PHENOL	PHENOL	4-METHYLPHENOL
2-CHLORONAPHTHALENE	PYRENE	PYRENE	4-NITROANILINE
2-METHYLNAPHTHALENE	PYRIDINE	PYRIDINE	4-NITROPHENOL
2-METHYLPHENOL	SAFROLE	SAFROLE	4-NITROPHENOL
2-NAPHTHYLAMINE			7, 12-DIMETHYLBENZ (A) ANTHRACENE
2-NITROANILINE			A, A-DIMETHYLPHENETHYLAMINE
2-NITROPHENOL			ACENAPHTHENE
2-PICOLINE (2-METHYLPYRIDINE)			ACENAPHTHYLENE
3, 3-DICHLOROBENZIDINE			ACETOPHENONE
3-METHYLCHOLANTHRENE			ANILINE
3-NITROANILINE			ANTHRACENE
4, 6-DINITRO-2-METHYLPHENOL			ARAMITE
4-AMINOBIPHENYL			BENZIDINE
4-BROMOPHENYLPHENYL ETHER			BENZO (A) ANTHRACENE
4-CHLORO-3-METHYLPHENOL			BENZO (A) PYRENE
4-CHLOROANILINE			BENZO (B) FLUORANTHENE
4-CHLOROPHENYL PHENYL ETHER			BENZO (G, H, I) PERYLENE
4-METHYLPHENOL			BENZO (K) FLUORANTHENE
4-NITROANILINE			BENZOIC ACID
4-NITROPHENOL			BENZYL ALCOHOL
5-NITRO-O-TOLUIDINE			BIS (2-CHLOROETHOXY) METHANE
7, 12-DIMETHYLBENZ (A) ANTHRACENE			BIS (2-CHLOROTHYL) ETHER
A, A-DIMETHYLPHENETHYLAMINE			BIS (2-ETHYLHEXYL) PHTHALATE
ACENAPHTHENE			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
			DINOSIB
			ETHYL METHANESULFONATE
			FLUORANTHENE
			FLUORENE
			HEXACHLOROBENZENE
			HEXACHLOROBUTADIENE
			HEXACHLOROCYCLOPENTADIENE
			HEXACHLOROETHANE
			HEXACHLOROPROPENE
			INDENO (1, 2, 3-CD) PYRENE
			ISODRIN
			ISOPHORONE
			ISOSAFROLE
			KEPONE
			METHAPYRILENE
			METHYL METHANESULFONATE
			N-NITROSODI-N-BUTYLAMINE
			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-AMINOBIPHENYL
			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-DIMETHYLPHENETHYLAMINE
			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-CHLOROTHYL) 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
			DINOSIB
			ETHYL METHANESULFONATE
			FLUORANTHENE
			FLUORENE
			HEXACHLOROBENZENE
			HEXACHLOROBUTADIENE
			HEXACHLOROCYCLOPENTADIENE
			HEXACHLOROETHANE
			HEXACHLOROPROPENE
			INDENO (1, 2, 3-CD) PYRENE
			ISODRIN
			ISOPHORONE
			ISOSAFROLE
			KEPONE
			METHAPYRILENE
			METHYL METHANESULFONATE
			N-NITROSODI-N-BUTYLAMINE
			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-AMINOBIPHENYL
			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-DIMETHYLPHENETHYLAMINE
			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-CHLOROTHYL) ETHER
			BIS (2-ETHYLHEXYL) PHTHALATE
			BUTYL BENZYL PHTHALATE
			CHLOROBENZILATE
			CHRYSENE
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			DIMETHYLAMINOAZOBENZENE
			DINOSIB
			ETHYL METHANESULFONATE
			FLUORANTHENE
			FLUORENE
			HEXACHLOROBENZENE
			HEXACHLOROBUTADIENE
			HEXACHLOROCYCLOPENTADIENE
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			INDENO (1, 2, 3-CD) PYRENE
			ISODRIN
			ISOPHORONE
			ISOSAFROLE
			KEPONE
			METHAPYRILENE
			METHYL METHANESULFONATE
			N-NITROSODI-N-BUTYLAMINE
			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
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			ACETOPHENONE
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			ANTHRACENE
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			BENZIDINE
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			CHRYSENE
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			DIMETHYLAMINOAZOBENZENE
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			FLUORANTHENE
			FLUORENE
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			HEXACHLOROBUTADIENE
			HEXACHLOROCYCLOPENTADIENE
			HEXACHLOROETHANE
			HEXACHLOROPROPENE
			INDENO (1, 2, 3-CD) PYRENE
			ISODRIN
			ISOPHORONE
			ISOSAFROLE
			KEPONE
			METHAPYRILENE
			METHYL METHANESULFONATE
			N-NITROSODI-N-BUTYLAMINE
			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-AMINOBIPHENYL
			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-DIMETHYLPHENETHYLAMINE
			ACENAPHTHENE
			ACENAPHTHYLENE
			ACETOPHENONE
			ANILINE
			ANTHRACENE
			ARAMITE
			BENZIDINE
			BENZO (A) ANTHRACENE
			BENZO (A) PYRENE
			BENZO (B) FLUORANTHENE
			BENZO (G



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SOLID & HAZARDOUS WASTES

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

EPA 8260B  
EPA 5035

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-BUTYL METHYL ETHER  
T-BUTYL ALCOHOL  
T-BUTYL FORMATE