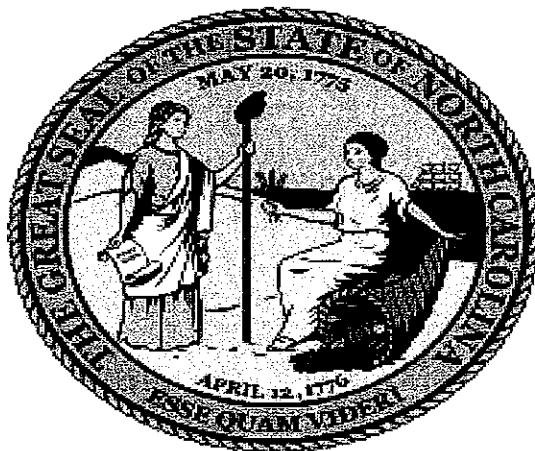


STATE OF NORTH CAROLINA DEPARTMENT OF THE
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WATER QUALITY LABORATORY CERTIFICATION PROGRAM

In accordance with the provisions of N.C.G.S. 143-215.3 (a) (1), 143-215.3 (a)(10) and NCAC 2H.0800:



2012

LANCASTER LABS. INC.

Is hereby certified to perform environmental analysis as listed on Attachment I and report monitoring data to DWQ for compliance with NPDES effluent, surface water, groundwater, and pretreatment regulations.

By reference 15A NCAC 2H .0800 is made a part of this certificate.

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

This certificate shall be valid until December 31, 2012

Certificate No

521

J. Kent Wiggins

J. Kent Wiggins

Attachment I
North Carolina Wastewater/Groundwater Laboratory Certification
Certified Parameters Listing

Lab Name: Lancaster Labs. Inc.
 Address: P.O. Box 12425
 Lancaster, PA 17605-2425

Certificate Number: 521
 Effective Date: 01/01/2012
 Expiration Date: 12/31/2012
 Date of Last Amendment:

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANICS	RESIDUE TOTAL	CALCIUM
ALKALINITY	Std Method 2540B	EPA Method 200.7
Std Method 2320B	RESIDUE DISSOLVED 180 C	SW846 Method 6010C
COD	Std Method 2540C	CHROMIUM TOTAL
EPA Method 410.4	RESIDUE SUSPENDED	EPA Method 200.7
CHLORIDE	Std Method 2540D	SW846 Method 6010C
Std Method 4500 Cl C	SULFATE	SW846 Method 6020A
EPA Method 300	EPA Method 300	CHROMIUM HEXAVALENT
RESIDUAL CHLORINE	SULFIDE	SW846 Method 7196A
Std Method 4500 Cl F	Std Method 4500 S D	COBALT
COLOR PC	Std Method 4500 S F	EPA Method 200.7
Std Method 2120B (PtCo)	SULFITE	SW846 Method 6010C
CONDUCTIVITY	Std Method 4500 SO3 B	COPPER
Std Method 2510B	TOTAL ORGANIC CARBON	EPA Method 200.7
CYANIDE	Std Method 5310B	EPA Method 200.8
EPA Method 335.4 (Total)	Std Method 5310C	SW846 Method 6010C
SW846 Method 9012B (Total & Available)	TURBIDITY	SW846 Method 6020A
FLUORIDE	EPA Method 180.1	IRON
Std Method 4500 F C	METALS	EPA Method 200.7
EPA Method 300	ALUMINUM	SW846 Method 6010C
HARDNESS TOTAL	EPA Method 200.7	LEAD
Std Method 2340C	SW846 Method 6010C	EPA Method 200.7
MBAS	ANTIMONY	EPA Method 200.8
Std Method 5540C	EPA Method 200.7	SW846 Method 6010C
AMMONIA NITROGEN	EPA Method 200.8	SW846 Method 6020A
Std Method 4500 NH3 D	SW846 Method 6010C	LITHIUM
TOTAL KJELDAHL NITROGEN	SW846 Method 6020A	SW846 Method 6010C
EPA Method 351.2	ARSENIC	MAGNESIUM
NO2 + NO3 NITROGEN	EPA Method 200.7	EPA Method 200.7
EPA Method 353.2	EPA Method 200.8	SW846 Method 6010C
NITRATE NITROGEN	SW846 Method 6010C	MANGANESE
EPA Method 300	SW846 Method 6020A	EPA Method 200.7
Nitrate-nitrite N minus Nitrite N	BARIUM	SW846 Method 6010C
NITRITE NITROGEN	EPA Method 200.7	MERCURY
EPA Method 300	SW846 Method 6010C	EPA Method 245.1
EPA Method 353.2	BERYLLIUM	SW846 Method 7470A
ORTHOPHOSPHATE	EPA Method 200.7	SW846 Method 7471B
Std Method 4500 P E	EPA Method 200.8	MOLYBDENUM
EPA Method 365.3	SW846 Method 6010C	EPA Method 200.7
OIL & GREASE	SW846 Method 6020A	SW846 Method 6010C
EPA Method 1664 Rev A	BORON	NICKEL
SW846 Method 9071B	EPA Method 200.7	EPA Method 200.7
pH	SW846 Method 6010C	EPA Method 200.8
Std Method 4500 H B	CADMIUM	SW846 Method 6010C
INORGANIC PHENOLS	EPA Method 200.7	SW846 Method 6020A
EPA Method 420.4	EPA Method 200.8	POTASSIUM
RESIDUE SETTLEABLE	SW846 Method 6010C	EPA Method 200.7
Std Method 2540F	SW846 Method 6020A	SW846 Method 6010C

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North Carolina Wastewater/Groundwater Laboratory Certification
Certified Parameters Listing

Lab Name: Lancaster Labs. Inc.
Address: P.O. Box 12425
Lancaster, PA 17605-2425

Certificate Number: 521
Effective Date: 01/01/2012
Expiration Date: 12/31/2012
Date of Last Amendment:

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

SELENIUM	NITROAROMATICS & NITRAMINES
EPA Method 200.7	SW846 Method 8330A
EPA Method 200.8	POLYNUCLEAR AROMATIC
SW846 Method 6010C	HYDROCARBONS
SW846 Method 6020A	EPA Method 610
SILVER	SW846 Method 8310
EPA Method 200.7	PURGEABLE ORGANICS
SW846 Method 6010C	EPA Method 624
SW846 Method 6020A	SW846 Method 8260B
SODIUM	Std Method 6200B
EPA Method 200.7	BASE NEUTRAL/ACID ORGANICS
SW846 Method 6010C	EPA Method 625
STRONTIUM	SW846 Method 8270D
EPA Method 200.7	CHLORINATED ACID HERBICIDES
SW846 Method 6010C	SW846 Method 8151A
THALLIUM	ORGANOPHOSPHORUS PESTICIDES
EPA Method 200.7	SW846 Method 8141B
EPA Method 200.8	TPH DIESEL RANGE ORGANICS
SW846 Method 6010C	SW846 Method 8015C
SW846 Method 6020A	TPH GASOLINE RANGE ORGANICS
TIN	SW846 Method 8015C
EPA Method 200.7	NONHALOGENATED VOLATILE
SW846 Method 6010C	ORGANICS
TITANIUM	SW846 Method 8015C
EPA Method 200.7	1,2, DIBROMOETHANE (EDB)
SW846 Method 6010C	EPA Method 504.1 (Includes DBCP &
VANADIUM	TCP)
EPA Method 200.7	SW846 Method 8011 (Includes DBCP)
SW846 Method 6010C	EXTRACTABLE PETROLEUM
ZINC	HYDROCARBONS
EPA Method 200.7	Massachusetts Method
SW846 Method 6010C	VOLATILE PETROLEUM
TCLP METALS	HYDROCARBONS
SW846 Method 1311	Massachusetts Method
ORGANICS	TCLP ORGANICS
PURGEABLE HALOCARBONS	SW846 Method 1311
EPA Method 601	
SW846 Method 8021B	
PURGEABLE AROMATICS	
EPA Method 602	
SW846 Method 8021B	
ORGANOCHLORINE PESTICIDES &	
PCBs	
EPA Method 608	
ORGANOCHLORINE PESTICIDES	
SW846 Method 8081B	
POLYCHLORINATED BIPHENYLS (PCB's)	
SW846 Method 8082A	