

NORTH DAKOTA STATE DEPARTMENT OF HEALTH RECOGNITION OF CERTIFICATION OR ACCREDITATION

The North Dakota State Department of Health recognizes the certification or accreditation of

EMSL Analytical, Inc. - 200 Route 130 North - Cinnaminson, NJ

by

State of New Jersey Department of Environmental Protection, NELAP

for

All Resource Conservation and Recovery Act, Safe Drinking Water Act
chemical parameters by the methods on the accompanying list of certified parameters for this laboratory

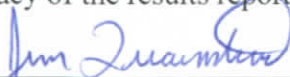
Certification Number: R-208

Date of Issue: July 24, 2017

Expiration Date: June 30, 2018

Covers: 7/1/2017 - 6/30/2018

This certificate remains the property of the North Dakota State Department of Health and may be recalled, for cause, at any time, by the Department. Recognition of an out-of-state laboratory's certification or accreditation from another state certification or accreditation program by the North Dakota State Department of Health is neither an endorsement of the results reported by the laboratory nor a guarantee of the validity or accuracy of the results reported by the laboratory.



Director, Laboratory Services Chemistry Division



Certification Officer

**Certified Parameters for
EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ**

**Issued by
North Dakota Department of Health
Laboratory Services Division - Chemistry
July 24, 2017**

Certification Period: July 01, 2017 through June 30, 2018

Lab Certification No: R-208

Based on Certificate No: NLC170001

From the State of New Jersey Department of Environmental Protection, NELAP

Program	Parameter	Method	Source #	Status
Resource Conservation and Recovery Act	TCLP Metals Extraction	SW846 1311	81	Certified
	TCLP Semi-Volatiles Extraction	SW846 1311	81	Certified
	Aluminum	SW846 6010B	84	Certified
	Antimony	SW846 6010B	84	Certified
	Arsenic	SW846 6010B	84	Certified
	Barium	SW846 6010B	84	Certified
	Beryllium	SW846 6010B	84	Certified
	Boron	SW846 6010B	84	Certified
	Cadmium	SW846 6010B	84	Certified
	Calcium	SW846 6010B	84	Certified
	Chromium	SW846 6010B	84	Certified
	Cobalt	SW846 6010B	84	Certified
	Copper	SW846 6010B	84	Certified
	Iron	SW846 6010B	84	Certified
	Lead	SW846 6010B	84	Certified
	Lithium	SW846 6010B	84	Certified
	Magnesium	SW846 6010B	84	Certified
	Manganese	SW846 6010B	84	Certified
	Molybdenum	SW846 6010B	84	Certified
	Nickel	SW846 6010B	84	Certified
	Potassium	SW846 6010B	84	Certified
	Selenium	SW846 6010B	84	Certified
	Silver	SW846 6010B	84	Certified
	Sodium	SW846 6010B	84	Certified
	Strontium	SW846 6010B	84	Certified
	Thallium	SW846 6010B	84	Certified
	Tin	SW846 6010B	84	Certified
	Titanium	SW846 6010B	84	Certified
	Vanadium	SW846 6010B	84	Certified
	Zinc	SW846 6010B	84	Certified
	Aluminum	SW846 6010C	96	Certified
Antimony	SW846 6010C	96	Certified	

<i>Program</i>	<i>Parameter</i>	<i>Method</i>	<i>Source #</i>	<i>Status</i>
<i>Resource Conservation and Recovery Act</i>	Arsenic	SW846 6010C	96	Certified
	Barium	SW846 6010C	96	Certified
	Beryllium	SW846 6010C	96	Certified
	Boron	SW846 6010C	96	Certified
	Cadmium	SW846 6010C	96	Certified
	Calcium	SW846 6010C	96	Certified
	Chromium	SW846 6010C	96	Certified
	Cobalt	SW846 6010C	96	Certified
	Copper	SW846 6010C	96	Certified
	Iron	SW846 6010C	96	Certified
	Lead	SW846 6010C	96	Certified
	Lithium	SW846 6010C	96	Certified
	Magnesium	SW846 6010C	96	Certified
	Manganese	SW846 6010C	96	Certified
	Molybdenum	SW846 6010C	96	Certified
	Nickel	SW846 6010C	96	Certified
	Potassium	SW846 6010C	96	Certified
	Selenium	SW846 6010C	96	Certified
	Silver	SW846 6010C	96	Certified
	Sodium	SW846 6010C	96	Certified
	Strontium	SW846 6010C	96	Certified
	Thallium	SW846 6010C	96	Certified
	Tin	SW846 6010C	96	Certified
	Titanium	SW846 6010C	96	Certified
	Vanadium	SW846 6010C	96	Certified
	Zinc	SW846 6010C	96	Certified
	* Mercury	SW846 7470A	82	Certified
	** Mercury	SW846 7471A	82	Certified
	** Mercury	SW846 7471B	96	Certified
	4,4'-DDD	SW846 8081A	84	Certified
	4,4'-DDE	SW846 8081A	84	Certified
	4,4'-DDT	SW846 8081A	84	Certified
	Aldrin	SW846 8081A	84	Certified
	alpha-BHC	SW846 8081A	84	Certified
	alpha-chlordane	SW846 8081A	84	Certified
	beta-BHC	SW846 8081A	84	Certified
	Chlordane (Technical)	SW846 8081A	84	Certified
	delta-BHC	SW846 8081A	84	Certified
	Dieldrin	SW846 8081A	84	Certified
	Endosulfan I	SW846 8081A	84	Certified
	Endosulfan II	SW846 8081A	84	Certified
	Endosulfan Sulfate	SW846 8081A	84	Certified
	Endrin	SW846 8081A	84	Certified
	Endrin Aldehyde	SW846 8081A	84	Certified
	Endrin Ketone	SW846 8081A	84	Certified
	gamma-BHC (Lindane)	SW846 8081A	84	Certified
	gamma-chlordane	SW846 8081A	84	Certified
	Heptachlor	SW846 8081A	84	Certified
	Heptachlor Epoxide	SW846 8081A	84	Certified

<i>Program</i>	<i>Parameter</i>	<i>Method</i>	<i>Source #</i>	<i>Status</i>
<i>Resource Conservation and Recovery Act</i>	Methoxychlor	SW846 8081A	84	Certified
	Mirex	SW846 8081A	84	Certified
	Toxaphene	SW846 8081A	84	Certified
	4,4'-DDD	SW846 8081B	96	Certified
	4,4'-DDE	SW846 8081B	96	Certified
	4,4'-DDT	SW846 8081B	96	Certified
	Aldrin	SW846 8081B	96	Certified
	alpha-BHC	SW846 8081B	96	Certified
	alpha-chlordane	SW846 8081B	96	Certified
	beta-BHC	SW846 8081B	96	Certified
	Chlordane (Technical)	SW846 8081B	96	Certified
	delta-BHC	SW846 8081B	96	Certified
	Dieldrin	SW846 8081B	96	Certified
	Endosulfan I	SW846 8081B	96	Certified
	Endosulfan II	SW846 8081B	96	Certified
	Endosulfan Sulfate	SW846 8081B	96	Certified
	Endrin	SW846 8081B	96	Certified
	Endrin Aldehyde	SW846 8081B	96	Certified
	Endrin Ketone	SW846 8081B	96	Certified
	gamma-BHC (Lindane)	SW846 8081B	96	Certified
	gamma-chlordane	SW846 8081B	96	Certified
	Heptachlor	SW846 8081B	96	Certified
	Heptachlor Epoxide	SW846 8081B	96	Certified
	Methoxychlor	SW846 8081B	96	Certified
	Mirex	SW846 8081B	96	Certified
	Toxaphene	SW846 8081B	96	Certified
	<i>Safe Drinking Water Act</i>	Asbestos	EPA 100.1	12
Asbestos		EPA 100.2	13	Certified

Symbol Reference

- * Limited to RCRA Water Samples Only
- ** Limited to RCRA Solid Samples Only

Source Reference

- 12 "Analytical Method for Determination of Asbestos Fibers in Water", EPA/600/4-83/043, September 1983
- 13 "Determination of Asbestos Structure Over 10um in Length in Drinking Water", EPA/600/R-94/134, June 1994
- 81 Test Methods for Evaluating Solid Waste Physical Chemical Methods (SW846) Third Edition, as amended by Update I, July 1992, EPA Office of Solid Waste and Emergency Response
- 82 Test Methods for Evaluating Solid Waste Physical Chemical Methods (SW846) Third Edition, as amended by Update II, September 1994, EPA Office of Solid Waste and Emergency Response
- 84 Test Methods for Evaluating Solid Waste Physical Chemical Methods (SW846) Third Edition, as amended by Update III, December 1996, EPA Office of Solid Waste and Emergency Response
- 96 Test Methods for Evaluating Solid Waste Physical Chemical Methods (SW846) Third Edition, as amended by Final Update IV, February 2007, EPA Office of Solid Waste and Emergency Response