

# NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY RECOGNITION OF CERTIFICATION OR ACCREDITATION

The North Dakota Department of Environmental Quality 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 Potable Water, Resource Conservation and Recovery Act, Safe Drinking Water Act  
chemical parameters by the methods on the accompanying list of certified parameters for this laboratory

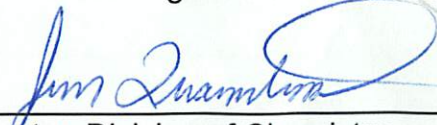
Certification Number: R-208


Date of Issue: June 27, 2022

Expiration Date: June 30, 2023

Covers: 7/1/2022 - 6/30/2023

This certificate remains the property of the North Dakota Department of Environmental Quality 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 Department of Environmental Quality 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.

  
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Director, Division of Chemistry

  
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Certification Officer



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

**Issued by  
North Dakota Department of Environmental Quality  
Division of Chemistry  
June 27, 2022**

**Certification Period: July 1, 2022, through June 30, 2023**

**Lab Certification No: R-208**

**Based on Certificate No: NLC220001**

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

**Program  
Potable Water**

<b>Parameter</b>	<b>Method</b>	<b>Source #</b>	<b>Status</b>
N-ethyl perfluorooctanesulfonamidoacetic acid	EPA 537 Rev. 1.1	133	Certified
N-methyl perfluorooctanesulfonamidoacetic acid	EPA 537 Rev. 1.1	133	Certified
Perfluorobutanesulfonic acid (PFBS, Perfluorobutane	EPA 537 Rev. 1.1	133	Certified
Perfluorodecanoic acid (PFDA)	EPA 537 Rev. 1.1	133	Certified
Perfluorododecanoic acid (PFDoA)	EPA 537 Rev. 1.1	133	Certified
Perfluoroheptanoic acid (PFHpA,	EPA 537 Rev. 1.1	133	Certified
Perfluorohexanesulfonic acid (PFHxS,	EPA 537 Rev. 1.1	133	Certified
Perfluorohexanoic acid (PFHxA)	EPA 537 Rev. 1.1	133	Certified
Perfluorononanoic acid (PFNA, Perfluorononanoate)	EPA 537 Rev. 1.1	133	Certified
Perfluorooctanesulfonic acid (PFOS, Perfluorooctane	EPA 537 Rev. 1.1	133	Certified
Perfluorooctanoic acid (PFOA, Perfluorooctanoate)	EPA 537 Rev. 1.1	133	Certified
Perfluorotetradecanoic acid (PFTA)	EPA 537 Rev. 1.1	133	Certified
Perfluorotridecanoic acid (PFTTrDA)	EPA 537 Rev. 1.1	133	Certified
Perfluoroundecanoic acid (PFUnA)	EPA 537 Rev. 1.1	133	Certified
11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	EPA 537.1	142	Certified
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1	142	Certified
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	EPA 537.1	142	Certified
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 537.1	142	Certified
N-ethyl perfluorooctanesulfonamidoacetic acid	EPA 537.1	142	Certified
N-methyl perfluorooctanesulfonamidoacetic acid	EPA 537.1	142	Certified
Perfluorobutanesulfonic acid (PFBS, Perfluorobutane	EPA 537.1	142	Certified
Perfluorodecanoic acid (PFDA)	EPA 537.1	142	Certified
Perfluorododecanoic acid (PFDoA)	EPA 537.1	142	Certified
Perfluoroheptanoic acid (PFHpA,	EPA 537.1	142	Certified
Perfluorohexanesulfonic acid (PFHxS,	EPA 537.1	142	Certified
Perfluorohexanoic acid (PFHxA)	EPA 537.1	142	Certified
Perfluorononanoic acid (PFNA, Perfluorononanoate)	EPA 537.1	142	Certified
Perfluorooctanesulfonic acid (PFOS, Perfluorooctane	EPA 537.1	142	Certified
Perfluorooctanoic acid (PFOA, Perfluorooctanoate)	EPA 537.1	142	Certified
Perfluorotetradecanoic acid (PFTA)	EPA 537.1	142	Certified
Perfluorotridecanoic acid (PFTTrDA)	EPA 537.1	142	Certified
Perfluoroundecanoic acid (PFUnA)	EPA 537.1	142	Certified

<b>Program</b>	<b>Parameter</b>	<b>Method</b>	<b>Source #</b>	<b>Status</b>
<b>Resource Conservation and Recovery Act</b>	TCLP Metals Extraction	SW846 1311	81	Certified
	TCLP Semi-Volatiles Extraction	SW846 1311	81	Certified
	Aluminum	SW846 6010D	131	Certified
	Antimony	SW846 6010D	131	Certified
	Arsenic	SW846 6010D	131	Certified
	Barium	SW846 6010D	131	Certified
	Beryllium	SW846 6010D	131	Certified
	Boron	SW846 6010D	131	Certified
	Cadmium	SW846 6010D	131	Certified
	Calcium	SW846 6010D	131	Certified
	Chromium	SW846 6010D	131	Certified
	Cobalt	SW846 6010D	131	Certified
	Copper	SW846 6010D	131	Certified
	Iron	SW846 6010D	131	Certified
	Lead	SW846 6010D	131	Certified
	Magnesium	SW846 6010D	131	Certified
	Manganese	SW846 6010D	131	Certified
	Molybdenum	SW846 6010D	131	Certified
	Nickel	SW846 6010D	131	Certified
	Potassium	SW846 6010D	131	Certified
	Selenium	SW846 6010D	131	Certified
	Silver	SW846 6010D	131	Certified
	Sodium	SW846 6010D	131	Certified
	Strontium	SW846 6010D	131	Certified
	Thallium	SW846 6010D	131	Certified
	Tin	SW846 6010D	131	Certified
	Titanium	SW846 6010D	131	Certified
	Vanadium	SW846 6010D	131	Certified
	Zinc	SW846 6010D	131	Certified
	Aluminum	SW846 6020B	131	Certified
	Antimony	SW846 6020B	131	Certified
	Arsenic	SW846 6020B	131	Certified
	Barium	SW846 6020B	131	Certified
	Beryllium	SW846 6020B	131	Certified
	Boron	SW846 6020B	131	Certified
	Cadmium	SW846 6020B	131	Certified
	Calcium	SW846 6020B	131	Certified
	Chromium	SW846 6020B	131	Certified
	Cobalt	SW846 6020B	131	Certified
	Copper	SW846 6020B	131	Certified
	Iron	SW846 6020B	131	Certified
	Lead	SW846 6020B	131	Certified
	Magnesium	SW846 6020B	131	Certified
	Manganese	SW846 6020B	131	Certified
	Molybdenum	SW846 6020B	131	Certified
	Nickel	SW846 6020B	131	Certified
	Potassium	SW846 6020B	131	Certified
Selenium	SW846 6020B	131	Certified	
Silver	SW846 6020B	131	Certified	

<b>Program</b>	<b>Parameter</b>	<b>Method</b>	<b>Source #</b>	<b>Status</b>	
<b>Resource Conservation and Recovery Act</b>	*	Sodium	SW846 6020B	131	Certified
		Strontium	SW846 6020B	131	Certified
		Thallium	SW846 6020B	131	Certified
		Tin	SW846 6020B	131	Certified
		Titanium	SW846 6020B	131	Certified
		Vanadium	SW846 6020B	131	Certified
		Zinc	SW846 6020B	131	Certified
	*	Mercury	SW846 7470A	82	Certified
	**	Mercury	SW846 7471B	96	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 (cis-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 (trans-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	
<b>Safe Drinking Water Act</b>		Asbestos	EPA 100.1	12	Certified
		Asbestos	EPA 100.2	13	Certified
		Lead	EPA 200.8	2	Certified
		Uranium	EPA 200.8	2	Certified
		Gross Alpha and Gross Beta	EPA 900.0	15	Certified
		Radium 226	EPA 903.0	15	Certified
		Radium 228	EPA 904.0	15	Certified

<i>Program</i>	<i>Parameter</i>	<i>Method</i>	<i>Source # Status</i>
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***Symbol Reference***

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

***Source Reference***

- 2 "Methods for the Determination of Metals in Environmental Samples - Supplement I", EPA/600/R-94/111, May 1994
- 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
- 15 "Prescribed Procedures for the Measurement of Radioactivity in Drinking Water", EPA 600/4-80-032, August 1980
- 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
- 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
- 131 Test Methods for Evaluating Solid Waste Physical Chemical Methods (SW846) Third Edition, as amended by Update V, July 2014, EPA Office of Solid Waste and Emergency Response
- 133 Analytical Methods Developed by EPA for Analysis of Unregulated Contaminants; Method 537, Rev. 1.1; Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)
- 142 Method 537.1: Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS), Version 1.0, November 2018