NORTH Dakota | Environmental Quality
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November 25, 2025

Quality Assurance Specialist
Anastasia Krakhaleva
EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077-

Dear Ms. Krakhaleva:

EMSL Analytical, Inc. (hereinafter your laboratory) State of New Jersey Department of Environmental Protection, NELAP certification for the Non-Potable Water and Potable Water and Resource Conservation and Recovery Act and Safe Drinking Water Act and Solids and Chemical Materials parameters by the methods on the enclosed list of certified parameters for your laboratory is being recognized by the North Dakota Environmental Laboratory Certification Program (NDELCP) for the period July 1, 2025 through June 30, 2026. The main requirements for maintaining the recognition of certification are (1) that the NDELCP be notified, in writing, within thirty days of any changes in the status of your laboratory's New Jersey certification for the parameters by the methods on the enclosed list during the effective period of this recognition of certification; and (2) that the NDELCP be sent copies of the reports of your laboratory's participation in water supply, and water pollution and RCRA proficiency test studies for the parameters by the methods on the enclosed list during the effective period of this recognition of certification.

If your laboratory desires to renew certification with North Dakota when this recognition of certification expires, an authorized representative will need to contact the NDELCP to initiate the renewal process. Anyone having questions about this recognition of your laboratory's New Jersey certification by the NDELCP should call me at 701-328-6119.

Sincerely,

Sarah Brunner
Laboratory Certification Officer for Chemical Parameters

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 Non-Potable Water, Potable Water, Resource Conservation and Recovery Act, Safe Drinking Water Act, Solids and Chemical Materials
chemical parameters by the methods on the accompanying list of certified parameters for this laboratory

Certification Number: R-208

Date of Issue: October 8, 2025 Expiration Date: June 30, 2026 Covers: 7/1/2025 - 6/30/2026

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.

Jim Quamme

Director, Division of Chemistry

Certification Officer

Certified Parameters for
EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ
Issued by
North Dakota Department of Environmental Quality
Division - Office of the Director
October 8, 2025
Certification Period: July 1, 2025 through June 30, 2026
Lab Certification No: R-208
Based on Certificate No: NLC 250001
From the State of New Jersey Department of Environmental Protection, NELAP

Program	Parameter	Method	Source #	Status
Non-Potable Water				
	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	EPA 1633	166	Certified
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2	EPA 1633	166	Certified
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2	EPA 1633	166	Certified
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	EPA 1633	166	Certified
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633	166	Certified
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	EPA 1633	166	Certified
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 1633	166	Certified
	N-ethyl perfluorooctanesulfonamidoacetic acid	EPA 1633	166	Certified
	N-methyl perfluorooctanesulfonamidoacetic acid	EPA 1633	166	Certified
	Perfluorobutanesulfonic acid (PFBS, Perfluorobutane	EPA 1633	166	Certified
	Perfluorobutanoic acid (PFBA)	EPA 1633	166	Certified
	Perfluorodecanesulfonic acid (PFDS)	EPA 1633	166	Certified
	Perfluorodecanoic acid (PFDA)	EPA 1633	166	Certified
	Perfluorododecanoic acid (PFDoA)	EPA 1633	166	Certified
	Perfluoroheptanesulfonic acid (PFHpS,	EPA 1633	166	Certified
	Perfluoroheptanoic acid (PFHpA,	EPA 1633	166	Certified
	Perfluorohexanesulfonic acid (PFHxS,	EPA 1633	166	Certified
	Perfluorohexanoic acid (PFHxA)	EPA 1633	166	Certified
	Perfluorononanesulfonic acid (PFNS)	EPA 1633	166	Certified
	Perfluorononanoic acid (PFNA, Perfluorononanoate)	EPA 1633	166	Certified
	Perfluorooctane sulfonamide (PFOSA)	EPA 1633	166	Certified
	Perfluorooctanesulfonic acid (PFOS, Perfluorooctane	EPA 1633	166	Certified
	Perfluorooctanoic acid (PFOA, Perfluorooctanoate)	EPA 1633	166	Certified
	Perfluoropentane sulfonic acid (PFPeS)	EPA 1633	166	Certified
	Perfluoropentanoic acid (PFPEA)	EPA 1633	166	Certified
	Perfluorotetradecanoic acid (PFTA)	EPA 1633	166	Certified
	Perfluorotridecanoic acid (PFTrDA)	EPA 1633	166	Certified
	Perfluoroundecanoic acid (PFUnA)	EPA 1633	166	Certified
Potable Water				
	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	EPA 533	151	Certified
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2-FTS)	EPA 533	151	Certified
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2-FTS)	EPA 533	151	Certified

Program		Parameter	Method	Source #	Status
Potable Water					
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2-FTS)	EPA 533	151	Certified
		4,8-dioxa-3H-perfluorononanoic acid (ADONA)	EPA 533	151	Certified
		9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	EPA 533	151	Certified
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 533	151	Certified
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533	151	Certified
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	EPA 533	151	Certified
		Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 533	151	Certified
		Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533	151	Certified
		Perfluorobutanesulfonic acid (PFBS, Perfluorobutane	EPA 533	151	Certified
		Perfluorobutanoic acid (PFBA)	EPA 533	151	Certified
		Perfluorodecanoic acid (PFDA)	EPA 533	151	Certified
		Perfluorododecanoic acid (PFDoA)	EPA 533	151	Certified
		Perfluoroheptanesulfonic acid (PFHpS,	EPA 533	151	Certified
		Perfluoroheptanoic acid (PFHpA,	EPA 533	151	Certified
		Perfluorohexanesulfonic acid (PFHxS,	EPA 533	151	Certified
		Perfluorohexanoic acid (PFHxA)	EPA 533	151	Certified
		Perfluorononanoic acid (PFNA, Perfluorononanoate)	EPA 533	151	Certified
		Perfluorooctanesulfonic acid (PFOS, Perfluorooctane	EPA 533	151	Certified
		Perfluorooctanoic acid (PFOA, Perfluorooctanoate)	EPA 533	151	Certified
		Perfluoropentanesulfonic acid (PFPeS)	EPA 533	151	Certified
		Perfluoropentanoic acid (PFPEA)	EPA 533	151	Certified
		Perfluoroundecanoic acid (PFUnA)	EPA 533	151	Certified
		11-chloroeicosafluoro-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 (PFTrDA)	EPA 537.1	142	Certified
		Perfluoroundecanoic acid (PFUnA)	EPA 537.1	142	Certified
Resource Conservation and Recovery Act					
		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

Program	Parameter	Method	Source #	Status
Resource Conservation and Recovery Act				
**	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
**	Mercury	SW846 7471B	96	Certified
Safe Drinking Water Act				
	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
Solids and Chemical Materials				
	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	EPA 1633	166	Certified
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2	EPA 1633	166	Certified
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2	EPA 1633	166	Certified
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	Perfluorodecanoic acid (PFDA)	EPA 1633	166	Certified
	Perfluorododecanoic acid (PFDoA)	EPA 1633	166	Certified
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	Perfluoroheptanoic acid (PFHpA,	EPA 1633	166	Certified

Program	Parameter	Method	Source #	Status
Solids and Chemical Materials				
	Perfluorohexanesulfonic acid (PFHxS,	EPA 1633	166	Certified
	Perfluorohexanoic acid (PFHxA)	EPA 1633	166	Certified
	Perfluorononanesulfonic acid (PFNS)	EPA 1633	166	Certified
	Perfluorononanoic acid (PFNA, Perfluorononanoate)	EPA 1633	166	Certified
	Perfluorooctane sulfonamide (PFOSA)	EPA 1633	166	Certified
	Perfluorooctanesulfonic acid (PFOS, Perfluorooctane	EPA 1633	166	Certified
	Perfluorooctanoic acid (PFOA, Perfluorooctanoate)	EPA 1633	166	Certified
	Perfluoropentanesulfonic acid (PFPeS)	EPA 1633	166	Certified
	Perfluoropentanoic acid (PFPEA)	EPA 1633	166	Certified
	Perfluorotetradecanoic acid (PFTA)	EPA 1633	166	Certified
	Perfluorotridecanoic acid (PFTrDA)	EPA 1633	166	Certified
	Perfluoroundecanoic acid (PFUnA)	EPA 1633	166	Certified

Symbol Reference

** 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

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

142 Method 537.1: Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extracion and Liquid Chromatography/Tandam Mass Spectrometry (LC/MS/MS), Version 1.0, November 2018

151 EPA Method 533: Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry

166 Method 1633 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS; EPA 821-R-24-001; January 2024