



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
REMEDIATION AND REDEVELOPMENT DIVISION



PHILLIP D. ROOS
DIRECTOR

April 14, 2026

Gina Roe
Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444

Laboratory No: 8001
Effective Date: 4/14/2026

Dear Gina Roe:

SUBJECT: Amended Laboratory Certification

The information that was prepared for and submitted to this office by your laboratory has been reviewed. Based on this information, the Department of Environment, Great Lakes, and Energy (EGLE) has certified your laboratory for compliance monitoring under the Safe Drinking Water Act, 1976 PA 399, as amended. Our certification for your laboratory by parameter is as follows:

Microbiology

Certified Parameters:

Total Coliform and *E. coli*

(via Standard Methods, Method 9223B-04, Colilert-18, Colisure)

Enumeration of Total Coliform and *E. coli*

(via the m-ColiBlue24[®] Test and Standard Methods, Method 9223B-04, Colilert-18-QT)

Heterotrophic Bacteria (via the SimPlate Method, November 2000)

Inorganic Chemistry

Certified Parameters:

Barium, Beryllium, Calcium, Chromium, Copper, Magnesium, Manganese, Nickel, Potassium and Sodium (via U.S. EPA Method 200.7)

Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Selenium, Thallium and Uranium (via U.S. EPA Method 200.8)

Mercury (via U.S. EPA Method 245.1)

Cyanide (via Method OIA-1677, DW, January 2004)

Nitrate and Nitrite (via U.S. EPA Method 353.2)

Chloride, Fluoride, Nitrate, Nitrite, and Sulfate (via U.S. EPA Method 300.0)

Nitrite (via Standard Methods, Method 4500-NO₂-B-²¹)

Orthophosphate (via Standard Methods, Method 4500-P-E-²¹)

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Organic Chemistry

Certified Parameters:

2,4-D, 2,4,5-TP, Dicamba, Dinoseb, Pentachlorophenol and Picloram (via U.S. EPA Method 515.4)
Total Trihalomethanes (TTHMs), Vinyl Chloride, Regulated and Unregulated Volatile Organic Compounds (via U.S. EPA Method 524.2)
Aldicarb, Aldicarb Sulfoxide, Aldicarb Sulfone, Carbaryl, Carbofuran, 3-Hydroxycarbofuran, Methomyl, and Oxamyl (via U.S. EPA Method 531.2)
Alachlor, Atrazine, Benzo(a)pyrene, Chlordane, Di(2-ethylhexyl) adipate, Di(2-ethylhexyl) phthalate, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, PCBs (Screen only), Simazine, and Toxaphene (via U.S. EPA Method 525.3)
Haloacetic Acids (HAA5) and Dalapon (via U.S. EPA Method 552.3)

Organic Chemistry

PFAS Certified Parameters:

Hexafluoropropylene oxide dimer acid (HFPO-DA), Perfluorobutane sulfonic acid (PFBS), Perfluorohexane sulfonic acid (PFHxS), Perfluorohexanoic acid (PFHxA), Perfluorononanoic acid (PFNA), Perfluorooctane sulfonic acid (PFOS), and Perfluorooctanoic acid (PFOA) (Michigan Regulated PFAS via U.S. EPA Method 537.1).

N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA), N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA), Perfluorodecanoic acid (PFDA), Perfluorododecanoic acid (PFDoA), Perfluoroheptanoic acid (PFHpA), Perfluorotetradecanoic acid (PFTA), Perfluorotridecanoic acid (PFTrDA), Perfluoroundecanoic acid (PFUnA), 11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS), 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS), and 4,8-dioxa-3H-perfluorononanoic acid (ADONA) (via U.S. EPA Method 537.1).

Our certification of Trace Analytical Laboratories, Inc., for the microbiological and chemical examination of drinking water is contingent on your continued compliance with state and federal regulations. Additionally, your certification is contingent on the submission of acceptable proficiency test sample results from a state-approved supplier on a running 12-month basis.

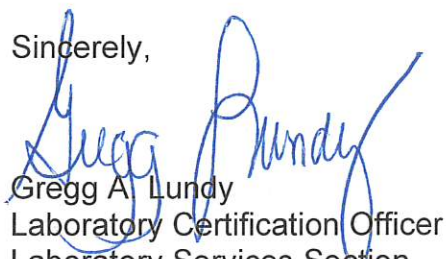
Our certification of your facility will expire on August 9, 2028. At your option, you may display the enclosed certificates.

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A follow-up inspection will be conducted within the next 12 months to ensure that all findings and deficiencies cited for the September 8-12 & 17, 2025, inspection of your facility have been permanently corrected and to perform a data audit for the new methodology added to your certification. In addition, laboratory records will be reviewed to verify that all necessary documentation is being maintained. Failure to demonstrate proper corrective actions are being maintained may result in a lapse in certification of your facility.

If you have questions regarding this information, please contact me by phone at 517-930-7040 or by email at lundyg@michigan.gov.

Sincerely,



Gregg A. Lundy
Laboratory Certification Officer
Laboratory Services Section
Remediation and Redevelopment Division

GL/ls

Enclosure

cc: EGLE DWEHD Grand Rapids District Office
Muskegon County Health Department

Michigan Department of
Environment, Great Lakes, and Energy



CERTIFIES:

Trace Analytical Laboratories, Inc.

**HAS BEEN EVALUATED AND IS APPROVED FOR THE FOLLOWING
PARAMETERS FOR THE ANALYSIS OF DRINKING WATER:**

CERTIFIED PARAMETERS

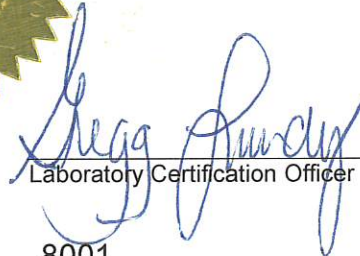
Total Coliform and E.coli
Enumeration of Total Coliform and E.coli
Heterotrophic Bacteria

**This certification requires maintenance of an acceptable quality assurance program,
use of approved methodology and equipment,
and satisfactory performance on evaluation samples.
This certification does not guarantee validity of data generated.**



August 9, 2028
Expiration Date

April 14, 2026
Effective Date


Laboratory Certification Officer

8001
Laboratory Number

Michigan Department of
Environment, Great Lakes, and Energy



CERTIFIES:

Trace Analytical Laboratories, Inc.

**HAS BEEN EVALUATED AND IS APPROVED FOR THE FOLLOWING
PARAMETERS FOR THE ANALYSIS OF DRINKING WATER:**

CERTIFIED PARAMETERS


Antimony, Arsenic, Barium, Beryllium
Cadmium, Calcium, Chloride, Chromium, Copper, Cyanide,
Fluoride, Lead, Magnesium, Manganese, Mercury
Nickel, Nitrate, Nitrite, Orthophosphate, Potassium, Selenium, Sodium
Sulfate, Thallium, Uranium

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PARAMETERS FOR THE ANALYSIS OF DRINKING WATER:

CERTIFIED PARAMETERS

2,4,5-TP, 2,4-D, 3-Hydroxycarbofuran, Alachlor,
Aldicarb, Aldicarb Sulfone, Aldicarb Sulfoxide, Atrazine, Benzo(a)pyrene,
Carbaryl, Carbofuran, Chlordane, Di(2-ethylhexyl)adipate,
Di(2-ethylhexyl)phthalate, Dicamba, Dinoseb, Dalapon
Endrin, Haloacetic Acids, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene,
Hexachlorocyclopentadiene, Lindane, Methomyl, Methoxychlor,
Oxamyl, PCBs, Pentachlorophenol, Picloram,
Regulated and Unregulated Volatile Organic Chemicals
Simazine, Total Trihalomethanes, Toxaphene, Vinyl Chloride

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Trace Analytical Laboratories, Inc.

**HAS BEEN EVALUATED AND IS APPROVED FOR THE FOLLOWING
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PER- AND POLYFLUORINATED ALKYL SUBSTANCES VIA US EPA METHOD 537.1

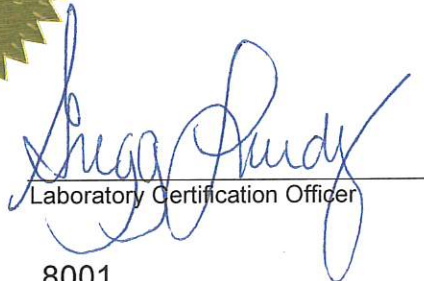
Hexafluoropropylene oxide dimer acid, Perfluorobutane sulfonic acid
Perfluorohexane sulfonic acid, Perfluorohexanoic acid
Perfluorononanoic acid, Perfluorooctane sulfonic acid, Perfluorooctanoic acid
N-ethyl perfluorooctane sulfonamidoacetic acid, N-methyl perfluorooctane sulfonamidoacetic acid
Perfluorodecanoic acid, Perfluorododecanoic acid, Perfluoroheptanoic acid
Perfluorotetradecanoic acid, Perfluorotridecanoic acid, Perfluoroundecanoic acid
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid, 4,8-dioxa-3H-perfluorononanoic acid

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