



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

February 6, 2023

REPLY TO THE ATTENTION OF:
LAB-10C

Mr. Stefan Saravia
Minnesota Department of Health
Public Health Laboratory Division
601 Robert Street North
Saint Paul, Minnesota 55164

Dear Mr. Saravia:

The Region 5 Laboratory Certification Program conducted an on-site audit of the Minnesota Department of Health's Drinking Water Laboratory the week of October 26, 2020. The purpose of the audit was to evaluate and determine the capabilities of your laboratory for analyzing samples for chemical, microbiological and radiological contaminants, pursuant to the National Primary Drinking Water Regulations as implemented under Title 40 of the Code of Federal Regulation, Parts 141 and 142.

Thank you for your response to the audit report. The information provided fully addressed all the deficiencies. The enclosed Corrective Action Reports will serve as your final response to the audit report. Laboratory certification is granted based on the information obtained during the audit, the corrective actions required and implemented, recommendations of the certification officers, and performance evaluation sample results.

The U.S. Environmental Protection Agency grants to the Minnesota Department of Health located at 601 Robert Street North, Saint Paul, Minnesota 55164, **Full Certification** for the methods and analytes identified in Enclosure A. Certification lasts for three years from the date of your last audit, provided your laboratory continues to demonstrate acceptable performance through the analysis of annual proficiency testing samples.

If you have any questions or require clarification concerning this letter, please contact Nakieta Mitchell, the Regional Laboratory Certification Program Manager, at 312-353-9085 or by e-mail at mitchell.nakieta@epa.gov.

Sincerely,

George Schupp
Director, Laboratory Services and Applied Science Division


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 5 Laboratory Certification Program
Drinking Water Certified Analyte List
Minnesota Department of Health

601 Robert Street North, Saint Paul, Minnesota 55164

Effective: October 26, 2020	Expiration: October 26, 2023	List Date: February 6, 2023
Analyte	Method, 40 CFR	Certification Status
<u>Inorganic Contaminants (IOCs)</u>		
Calcium	EPA 200.7, Rev. 4.4 (1994)	Full Certification
Magnesium	EPA 200.7, Rev. 4.4 (1994)	Full Certification
Sodium	EPA 200.7, Rev. 4.4 (1994)	Full Certification
Antimony	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Arsenic	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Barium	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Beryllium	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Cadmium	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Chromium	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Copper	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Lead	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Nickel	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Selenium	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Thallium	EPA 200.8, Rev. 5.4 (1994)	Full Certification
Mercury	EPA 245.1, Rev. 3.0 (1994)	Full Certification
Bromide	EPA 300.1, Rev. 1.0 (1997)	Full Certification
Chloride	EPA 300.1, Rev. 1.0 (1997)	Full Certification
Sulfate	EPA 300.1, Rev. 1.0 (1997)	Full Certification
Cyanide (Total)	EPA 335.4, Rev. 1.0 (1993)	Full Certification
Nitrate + Nitrite	EPA 353.2, Rev. 2.0 (1993)	Full Certification
Orthophosphate	EPA 365.1, Rev. 2.0 (1993)	Full Certification
Alkalinity	SM 2320 B, 22 nd ed.	Full Certification
Hardness	SM 2340 B, 22 nd ed.	Full Certification
Cyanide, Free	SM 4500-CN F, 22 nd ed.	Full Certification
Fluoride	SM 4500-F C, 22 nd ed.	Full Certification
Nitrite	SM 4500 NO ₂ B, 22 nd ed.	Full Certification
Silica	SM 4500 SiO ₂ C, 22 nd ed.	Full Certification
Dissolved Organic Carbon	SM 5310 C, 22 nd ed.	Full Certification
Total Organic Carbon	SM 5310 C, 22 nd ed.	Full Certification
UV-254	SM 5910 B, 22 nd ed.	Full Certification
<u>Volatile Organic Compounds (VOCs)</u>		
Benzene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Carbon tetrachloride	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Chlorobenzene (mono)	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,2-Dichlorobenzene (ortho)	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,4-Dichlorobenzene (para)	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,2-Dichloroethane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,1-Dichloroethene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
cis-1,2-Dichloroethylene	EPA 524.3, Rev. 1.0 (2009)	Full Certification

Enclosure A

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Analyte	Method, 40 CFR	Certification Status
trans-1,2-Dichloroethene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Dichloromethane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,2-Dichloropropane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Ethylbenzene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Styrene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Tetrachloroethylene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Toluene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,2,4-Trichlorobenzene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,1,1-Trichloroethane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
1,1,2-Trichloroethane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Trichloroethene	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Vinyl chloride	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Xylenes (total)	EPA 524.3, Rev. 1.0 (2009)	Full Certification
<u>Total Trihalomethanes (TTHM):</u>		
Bromodichloromethane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Bromoform	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Chloroform	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Dibromochloromethane	EPA 524.3, Rev. 1.0 (2009)	Full Certification
Total Trihalomethanes	EPA 524.3, Rev. 1.0 (2009)	Full Certification
<u>Haloacetic Acids (HAA5):</u>		
Dibromoacetic acid (DBA)	EPA 552.3, Rev. 1.0 (2003)	Full Certification
Dichloroacetic acid (DCA)	EPA 552.3, Rev. 1.0 (2003)	Full Certification
Monobromoacetic acid (MBA)	EPA 552.3, Rev. 1.0 (2003)	Full Certification
Monochloroacetic acid (MCA)	EPA 552.3, Rev. 1.0 (2003)	Full Certification
Trichloroacetic acid (TCA)	EPA 552.3, Rev. 1.0 (2003)	Full Certification
Total Haloacetic Acids	EPA 552.3, Rev. 1.0 (2003)	Full Certification
<u>Synthetic Organic Compounds (SOCs): Pesticides</u>		
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1, Rev. 1.1	Full Certification
Ethylene dibromide (EDB)	EPA 504.1, Rev. 1.1	Full Certification
2,4,5-TP (Silvex)	EPA 515.4, Rev. 1.0	Full Certification
2,4-D	EPA 515.4, Rev. 1.0	Full Certification
Dalapon	EPA 515.4, Rev. 1.0	Full Certification
Dinoseb	EPA 515.4, Rev. 1.0	Full Certification
Pentachlorophenol	EPA 515.4, Rev. 1.0	Full Certification
Picloram	EPA 515.4, Rev. 1.0	Full Certification
Carbofuran	EPA 531.2, Rev. 1.0	Full Certification
Oxamyl	EPA 531.2, Rev. 1.0	Full Certification
Glyphosate	EPA 547 (1990)	Full Certification
<u>Radiochemical Contaminants:</u>		
Gamma Emitters	SM 7120, Gamma Ray Spectrometry	Full Certification
Gross Alpha	EPA 900.0, Evaporation	Full Certification
Gross Beta	EPA 900.0, Evaporation	Full Certification
Radium-226	EPA 903.0, Radiochemical	Full Certification
Radium-228	EPA 904.0, Radiochemical	Full Certification
Tritium	EPA76, p.34, Liquid Scintillation	Full Certification
Uranium	EPA 200.8, Rev. 5.4 (1994)	Full Certification

Enclosure A

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Microbiological Contaminants:

Total Coliform & <i>E.coli</i>	SM 9223 B Colilert (P/A)	Full Certification
Total Coliform & <i>E.coli</i>	SM 9223 B Colilert-18 (P/A)	Full Certification
Total Coliform & <i>E.coli</i>	SM 9223 B Colisure (P/A)	Full Certification
Total Coliform & <i>E.coli</i>	SM 9223 B Colilert Quanti-Tray (MPN)	Full Certification
Total Coliform & <i>E.coli</i>	SM 9223 B Colilert-18 Quanti-Tray (MPN)	Full Certification
Heterotrophic Plate Count	IDEXX SimPlate (2000)	Full Certification

END OF LIST



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

**77 West Jackson Blvd
Chicago, Illinois 60604**

Issued to the

Minnesota Department of Health

**601 Robert Street North
Saint Paul, Minnesota 55164**

Safe Drinking Water Act (SDWA) Laboratory Certificate

Effective Date: October 26, 2020

Expiration Date: October 26, 2023

Minnesota Department of Health

in accordance with the Title 40, Code of Federal Regulations Parts 141 and 142 is

CERTIFIED to perform chemical, microbiological and radiochemical analyses on Drinking Water for the analytes and methods listed on the attached certified analyte list. Certification status is granted based upon current required SDWA analytical capabilities for primacy, information obtained during the latest on-site visit, and laboratory proficiency testing sample performance.

Continuous certification depends on successful, ongoing participation in the program.

**George Schupp, Director Laboratory Services and Applied Science Division
Drinking Water Laboratory Certification Authority**