

Dan Boyer
Superintendent

Alan Bengry
President

Todd Bruggema
Vice President

Karen Pylman
Secretary

Evart Public Schools

321 N. Hemlock Street
Evart, Michigan 49631
Phone: 231-734-5594
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Eric Schmidt
Treasurer

Gerald Nichols
Trustee

Mark Moody
Trustee

Kelly Whitman
Trustee

DISTRICT MISSION STATEMENT

*The Evart Public Schools with the community will prepare all students
to be successful in an ever-changing world*

07/09/2024

Evart Public Schools Community,

In an effort to guarantee the safest possible situation for our students and staff at Evart Public Schools, the school board recently voted to have the water tested in our three academic buildings. Samples were drawn from the elementary, the middle school, and the high school. A total of eleven samples were taken from the three facilities. These samples were professionally drawn by Trace analytical Laboratories on 06/13/2024.

In a report by Project Manager, Tim Brewer, he described the results as follows:

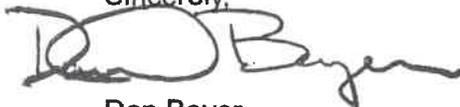
“All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.”

Further, in an effort to protect students and staff from any PFAS contamination, Trace partnered with Prein&Newhof to test further. This PFAS testing was also negative for any contamination.

In speaking with Mr. Brewer on the results, the District was assured that our drinking water is clean and safe for consumption.

If you have interest in seeing the results of our testing, they are also attached here. Should you have any questions or concerns, please feel free to reach out to me or our office.

Sincerely,



Dan Boyer
Superintendent
Evart Public Schools
boyerd@evartps.org



Evart Public School prohibits discrimination on the basis of religion, race, color, national origin, sex, age, weight, marital status, or disability, in its educational program, activities, or employment.

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673



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www.trace-labs.com

June 25, 2024

Bart Gallinger
Evert Public Schools
321 N. Hemlock St.
Evert, MI 49631

Phone: (231) 734-2182
Fax: (231) 734-5594

RE: Trace Project 24F0558
Client Project Drinking Water Analysis- 6/13/24

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

For clients that require NELAP Accreditation, Trace certifies that these test results meet all requirements of the NELAP Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAP at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at tbrewer@trace-labs.com.

Sincerely,

A handwritten signature in black ink that reads "Timothy W. Brewer".

Tim Brewer
Project Manager
Enclosures

STATE OF MICHIGAN LABORATORY ID: 8001

The Reg level for all analytes with the exception of Lead and Copper is the MCL, for Lead and Copper it is the AL.

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SAMPLE SUMMARY

Trace Project ID: 24F0558
Client Project ID: Drinking Water Analysis- 6/13/24

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
24F0558-01	3rd Floor DF	Drinking Water	Trace-CS	06/13/24 12:35	06/13/24 14:08
24F0558-02	2nd Floor DF	Drinking Water	Trace-CS	06/13/24 12:40	06/13/24 14:08
24F0558-03	1st Floor Hallway DF	Drinking Water	Trace-CS	06/13/24 12:45	06/13/24 14:08
24F0558-04	Girls Bathroom	Drinking Water	Trace-CS	06/13/24 12:50	06/13/24 14:08
24F0558-05	Elementary Kitchen Sink	Drinking Water	Trace-CS	06/13/24 13:00	06/13/24 14:08
24F0558-06	Lower Elementary	Drinking Water	Trace-CS	06/13/24 13:05	06/13/24 14:08
24F0558-07	Elementary Upper DF	Drinking Water	Trace-CS	06/13/24 13:10	06/13/24 14:08
24F0558-08	Baseball / Softball Field DF	Drinking Water	Trace-CS	06/13/24 13:20	06/13/24 14:08
24F0558-09	H.S. Gym DF	Drinking Water	Trace-CS	06/13/24 13:25	06/13/24 14:08
24F0558-10	High School Academic	Drinking Water	Trace-CS	06/13/24 13:30	06/13/24 14:08
24F0558-11	High School Kitchen	Drinking Water	Trace-CS	06/13/24 13:35	06/13/24 14:08

CERTIFICATE OF ANALYSIS

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

MS	Matrix Spike
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL/AL	Maximum Contamination Limits / Action Levels as set by the Federal Safe Drinking Water Act
Not Detected	Indicates that the compound was not detected at the RDL
TNTC	Too Numerous To Count

Results that are reported in bold or red have equalled or exceeded the MCL/AL.

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-01 Date Collected: 06/13/24 12:35
 Sample Point Description: 3rd Floor DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
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METALS, TOTAL

Analysis Method: EPA 200.7 Rev. 4.4

Batch: T152657

Calcium	59	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:18	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:18	jma	N	0.30
Magnesium	18	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:18	jma	N	No MCL
Sodium	7.8	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:18	jma	N	No MCL

Analysis Method: EPA 200.8 Rev. 5.4

Batch: T152311

Copper	0.25	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:03	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:03	jlh	N	0.015

METALS, TOTAL

Analysis Method: SM 2340 B-11

Batch: [CALC]

Hardness as CaCO3	220	2.5	mg/L	6/24/24 12:01		6/24/24 14:18	jma	N	No MCL
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WET CHEMISTRY

Analysis Method: EPA 300.0 Rev. 2.1

Batch: T152232

Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:11	ans	N	4.0
Chloride	10	1.5	mg/L	6/13/24 16:19	ans	6/14/24 11:11	ans	N	250
Nitrate as N	0.61	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:11	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:11	ans	N	1.0
Sulfate as SO4	14	6.0	mg/L	6/13/24 16:19	ans	6/14/24 11:11	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-02 Date Collected: 06/13/24 12:40
 Sample Point Description: 2nd Floor DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	54	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:20	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:20	jma	N	0.30
Magnesium	17	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:20	jma	N	No MCL
Sodium	7.8	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:20	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.19	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:06	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:06	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-02 Date Collected: 06/13/24 12:40
 Sample Point Description: 2nd Floor DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL	
METALS, TOTAL										
Analysis Method: SM 2340 B-11										
Batch: [CALC]										
Hardness as CaCO3	200	2.5	mg/L	6/24/24	12:01	6/24/24	14:20	jma	N	No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-02 Date Collected: 06/13/24 12:40
 Sample Point Description: 2nd Floor DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/15/24 11:34	ans	N	4.0
Chloride	30	1.5	mg/L	6/13/24 16:19	ans	6/14/24 11:30	ans	N	250
Nitrate as N	0.71	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:30	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:30	ans	N	1.0
Sulfate as SO4	12	6.0	mg/L	6/13/24 16:19	ans	6/15/24 11:34	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-03 Date Collected: 06/13/24 12:45
 Sample Point Description: 1st Floor Hallway DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	56	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:21	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:21	jma	N	0.30
Magnesium	17	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:21	jma	N	No MCL
Sodium	7.8	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:21	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.17	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:09	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:09	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-03 Date Collected: 06/13/24 12:45
 Sample Point Description: 1st Floor Hallway DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: SM 2340 B-11									
Batch: [CALC]									
Hardness as CaCO3	210	2.5	mg/L	6/24/24	12:01	6/24/24	14:21	jma	N No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-03 Date Collected: 06/13/24 12:45
 Sample Point Description: 1st Floor Hallway DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	0.38	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:49	ans	N	4.0
Chloride	34	1.5	mg/L	6/13/24 16:19	ans	6/14/24 11:49	ans	N	250
Nitrate as N	0.52	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:49	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 11:49	ans	N	1.0
Sulfate as SO4	22	6.0	mg/L	6/13/24 16:19	ans	6/14/24 11:49	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-04 Date Collected: 06/13/24 12:50
 Sample Point Description: Girls Bathroom Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	53	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:23	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:23	jma	N	0.30
Magnesium	17	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:23	jma	N	No MCL
Sodium	7.7	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:23	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.85	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:10	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:10	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-04 Date Collected: 06/13/24 12:50
 Sample Point Description: Girls Bathroom Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL	
METALS, TOTAL										
Analysis Method: SM 2340 B-11										
Batch: [CALC]										
Hardness as CaCO3	200	2.5	mg/L	6/24/24	12:01	6/24/24	14:23	jma	N	No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-04 Date Collected: 06/13/24 12:50
 Sample Point Description: Girls Bathroom Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 12:45	ans	N	4.0
Chloride	8.1	1.5	mg/L	6/13/24 16:19	ans	6/14/24 12:45	ans	N	250
Nitrate as N	0.38	0.20	mg/L	6/13/24 16:19	ans	6/14/24 12:45	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 12:45	ans	N	1.0
Sulfate as SO4	10	6.0	mg/L	6/13/24 16:19	ans	6/14/24 12:45	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-05 Date Collected: 06/13/24 13:00
 Sample Point Description: Elementary Kitchen Sink Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	55	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:25	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:25	jma	N	0.30
Magnesium	17	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:25	jma	N	No MCL
Sodium	8.9	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:25	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.29	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:11	jlh	N	1.3
Lead	0.0054	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:11	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-05 Date Collected: 06/13/24 13:00
 Sample Point Description: Elementary Kitchen Sink Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: SM 2340 B-11									
Batch: [CALC]									
Hardness as CaCO3	210	2.5	mg/L	6/24/24	12:01	6/24/24	14:25	jma	N No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-05 Date Collected: 06/13/24 13:00
 Sample Point Description: Elementary Kitchen Sink Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:04	ans	N	4.0
Chloride	11	1.5	mg/L	6/13/24 16:19	ans	6/14/24 13:04	ans	N	250
Nitrate as N	0.75	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:04	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:04	ans	N	1.0
Sulfate as SO4	10	6.0	mg/L	6/13/24 16:19	ans	6/14/24 13:04	ans	N	250

CERTIFICATE OF ANALYSIS

STATE OF MICHIGAN LABORATORY ID: 8001

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-06 Date Collected: 06/13/24 13:05
 Sample Point Description: Lower Elementary Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	60	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:27	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:27	jma	N	0.30
Magnesium	18	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:27	jma	N	No MCL
Sodium	8.3	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:27	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.21	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:13	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:13	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-06 Date Collected: 06/13/24 13:05
 Sample Point Description: Lower Elementary Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
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METALS, TOTAL

Analysis Method: SM 2340 B-11
 Batch: [CALC]

Hardness as CaCO3	230	2.5	mg/L	6/24/24	12:01	6/24/24	14:27	jma	N	No MCL
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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-06 Date Collected: 06/13/24 13:05
 Sample Point Description: Lower Elementary Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:23	ans	N	4.0
Chloride	11	1.5	mg/L	6/13/24 16:19	ans	6/14/24 13:23	ans	N	250
Nitrate as N	1.2	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:23	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:23	ans	N	1.0
Sulfate as SO4	14	6.0	mg/L	6/13/24 16:19	ans	6/14/24 13:23	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-07 Date Collected: 06/13/24 13:10
 Sample Point Description: Elementary Upper DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	51	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:29	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:29	jma	N	0.30
Magnesium	17	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:29	jma	N	No MCL
Sodium	7.8	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:29	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.10	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:17	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:17	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-07 Date Collected: 06/13/24 13:10
 Sample Point Description: Elementary Upper DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: SM 2340 B-11									
Batch: [CALC]									
Hardness as CaCO3	200	2.5	mg/L	6/24/24	12:01	6/24/24	14:29	jma	N No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-07 Date Collected: 06/13/24 13:10
 Sample Point Description: Elementary Upper DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:41	ans	N	4.0
Chloride	9.2	1.5	mg/L	6/13/24 16:19	ans	6/14/24 13:41	ans	N	250
Nitrate as N	0.58	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:41	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 13:41	ans	N	1.0
Sulfate as SO4	10	6.0	mg/L	6/13/24 16:19	ans	6/14/24 13:41	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-08 Date Collected: 06/13/24 13:20
 Sample Point Description: Baseball / Softball Field DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
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METALS, TOTAL

Analysis Method: EPA 200.7 Rev. 4.4

Batch: T152657

Calcium	44	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:31	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:31	jma	N	0.30
Magnesium	15	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:31	jma	N	No MCL
Sodium	4.9	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:31	jma	N	No MCL

Analysis Method: EPA 200.8 Rev. 5.4

Batch: T152311

Copper	0.23	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:18	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:18	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-08 Date Collected: 06/13/24 13:20
 Sample Point Description: Baseball / Softball Field DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: SM 2340 B-11									
Batch: [CALC]									
Hardness as CaCO3	170	2.5	mg/L	6/24/24	12:01	6/24/24	14:31	jma	N No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-08 Date Collected: 06/13/24 13:20
 Sample Point Description: Baseball / Softball Field DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:00	ans	N	4.0
Chloride	3.1	1.5	mg/L	6/13/24 16:19	ans	6/14/24 14:00	ans	N	250
Nitrate as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:00	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:00	ans	N	1.0
Sulfate as SO4	9.3	6.0	mg/L	6/13/24 16:19	ans	6/14/24 14:00	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-09 Date Collected: 06/13/24 13:25
 Sample Point Description: H.S. Gym DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	46	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:32	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:32	jma	N	0.30
Magnesium	16	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:32	jma	N	No MCL
Sodium	5.3	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:32	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.13	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:19	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:19	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-09 Date Collected: 06/13/24 13:25
 Sample Point Description: H.S. Gym DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: SM 2340 B-11									
Batch: [CALC]									
Hardness as CaCO3	180	2.5	mg/L	6/24/24	12:01	6/24/24	14:32	jma	N No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-09 Date Collected: 06/13/24 13:25
 Sample Point Description: H.S. Gym DF Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:19	ans	N	4.0
Chloride	3.7	1.5	mg/L	6/13/24 16:19	ans	6/14/24 14:19	ans	N	250
Nitrate as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:19	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:19	ans	N	1.0
Sulfate as SO4	9.4	6.0	mg/L	6/13/24 16:19	ans	6/14/24 14:19	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-10 Date Collected: 06/13/24 13:30
 Sample Point Description: High School Academic Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
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METALS, TOTAL

Analysis Method: EPA 200.7 Rev. 4.4

Batch: T152657

Calcium	50	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:38	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:38	jma	N	0.30
Magnesium	16	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:38	jma	N	No MCL
Sodium	5.4	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:38	jma	N	No MCL

Analysis Method: EPA 200.8 Rev. 5.4

Batch: T152311

Copper	0.27	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:21	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:21	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-10 Date Collected: 06/13/24 13:30
 Sample Point Description: High School Academic Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: SM 2340 B-11									
Batch: [CALC]									
Hardness as CaCO3	190	2.5	mg/L	6/24/24	12:01	6/24/24	14:38	jma	N No MCL

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-10 Date Collected: 06/13/24 13:30
 Sample Point Description: High School Academic Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:38	ans	N	4.0
Chloride	4.3	1.5	mg/L	6/13/24 16:19	ans	6/14/24 14:38	ans	N	250
Nitrate as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:38	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:38	ans	N	1.0
Sulfate as SO4	12	6.0	mg/L	6/13/24 16:19	ans	6/14/24 14:38	ans	N	250

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-11 Date Collected: 06/13/24 13:35
 Sample Point Description: High School Kitchen Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.7 Rev. 4.4									
<i>Batch: T152657</i>									
Calcium	46	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:40	jma	N	No MCL
Iron	Not Detected	0.10	mg/L	6/24/24 12:01	jlh	6/24/24 14:40	jma	N	0.30
Magnesium	16	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:40	jma	N	No MCL
Sodium	5.2	1.0	mg/L	6/24/24 12:01	jlh	6/24/24 14:40	jma	N	No MCL
Analysis Method: EPA 200.8 Rev. 5.4									
<i>Batch: T152311</i>									
Copper	0.38	0.025	mg/L	6/17/24 9:02	jlh	6/17/24 10:22	jlh	N	1.3
Lead	Not Detected	0.0010	mg/L	6/17/24 9:02	jlh	6/17/24 10:22	jlh	N	0.015

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ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-11 Date Collected: 06/13/24 13:35
 Sample Point Description: High School Kitchen Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED BY	ANALYZED BY	NOTES	MCL
METALS, TOTAL							
Analysis Method: SM 2340 B-11							
<i>Batch: [CALC]</i>							
Hardness as CaCO3	180	2.5	mg/L	6/24/24 12:01	6/24/24 14:40	jma N	No MCL

CERTIFICATE OF ANALYSIS

STATE OF MICHIGAN LABORATORY ID: 8001

The Reg level for all analytes with the exception of Lead and Copper is the MCL, for Lead and Copper it is the AL.

This report shall not be reproduced, except in full, without the written consent of Trace Analytical Laboratories, Inc.

Trace Analytical Laboratories, Inc.
 2241 Black Creek Road
 Muskegon, MI 49444-2673



231-773-5998 Phone
 888-979-4469 Fax
 www.trace-labs.com

ANALYTICAL RESULTS

Sample Location: Drinking Water Analysis- 6/13/24

Trace ID: 24F0558-11 Date Collected: 06/13/24 13:35
 Sample Point Description: High School Kitchen Date Received: 06/13/24 14:08

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
<i>Batch: T152232</i>									
Fluoride	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:57	ans	N	4.0
Chloride	3.6	1.5	mg/L	6/13/24 16:19	ans	6/14/24 14:57	ans	N	250
Nitrate as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:57	ans	N	10
Nitrite as N	Not Detected	0.20	mg/L	6/13/24 16:19	ans	6/14/24 14:57	ans	N	1.0
Sulfate as SO4	9.5	6.0	mg/L	6/13/24 16:19	ans	6/14/24 14:57	ans	N	250

CERTIFICATE OF ANALYSIS

STATE OF MICHIGAN LABORATORY ID: 8001

The Reg level for all analytes with the exception of Lead and Copper is the MCL, for Lead and Copper it is the AL.

This report shall not be reproduced, except in full, without the written consent of Trace Analytical Laboratories, Inc.

June 25, 2024

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673

RE: 24F0558

Order No.: 2406B05

Dear Mr. Jon Mink:

[Guide to Reading Lab Result](#)

Prein&Newhof Laboratory received 3 sample(s) on 6/17/2024 on your behalf. Your test results are provided in your Prein&Newhof Laboratory analytical report. Please carefully review your analytical report, noting the following.

- You can be assured that the sample results meet the Safe Drinking Water Criteria as no analyte tested exceeds the EPA Maximum Contaminant Level unless indicated by an " * " in the "Qual" column.
- You can be assured that all samples were received and analyzed within required holding times unless noted by a "H" in the "Qual" column.
- You can be assured that all quality control data is within laboratory-defined or method-specified acceptance limits unless defined by the addition of an attached Case Narrative document.
- When testing for PFHxS, PFOA, PFOS, MeFOSAA, and EtFOSAA results include both branched and linear isotopes. We extract a Method Blank and analyze it with the preparation batch. Method Blank analytes are within the Reporting Limit (RL).

We use EPA Approved Methods for all regulated parameters. EPA Lab #: MI000014

We are certified by the State of Michigan for Drinking Water Analysis for: Coliform Bacteria, Metals, Cyanide, Minerals, Anions, Volatile Organics, THM's, Haloacetic Acids, and PFAS.
Michigan Lab ID#: 0020

To learn more about interpreting your Drinking Water Test Results and reading your Lab Report, follow the link above to view our "Guide to Reading Lab Results". If you have any concerns about your test results or need additional help, please call: 616-364-7600 or email me: sbylsma@preinnewhof.com.

Thank you for trusting Prein&Newhof with your testing needs.

Sincerely,



Steve Bylsma
Laboratory Manager

CLIENT:	Trace Analytical Laboratories, Inc.	Collection Date	6/13/2024 12:50:00 PM
Project:	24F0558	Received Date:	6/17/2024 1:50:00 PM
Lab ID:	2406B05-01	Matrix:	DRINKING WATER
Client Sample ID:	24F0558-04	Sampled By:	Trace- CS
Location:	Girls Bathroom		

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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PFAS, DRINKING WATER

EPA 537.1

Analyst: **JS**

PFBS	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFHxA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
HFPO-DA	< 2.0	2.0		ng/L	10	6/24/2024 6:57:00 PM
PFHxS	< 2.0	2.0		ng/L	10	6/24/2024 6:57:00 PM
PFHpA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
ADONA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFOA	< 2.0	2.0		ng/L	4.0	6/24/2024 6:57:00 PM
PFOS	< 2.0	2.0		ng/L	4.0	6/24/2024 6:57:00 PM
PFNA	< 2.0	2.0		ng/L	10	6/24/2024 6:57:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFDA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFUnA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFDoA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFTTrDA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
PFTA	< 2.0	2.0		ng/L		6/24/2024 6:57:00 PM
Surr: d5-N-EtFOSSA	80.0	70 - 130		%Rec		6/24/2024 6:57:00 PM
Surr: M3HFPO-DA	92.0	70 - 130		%Rec		6/24/2024 6:57:00 PM
Surr: MPFDA	85.0	70 - 130		%Rec		6/24/2024 6:57:00 PM
Surr: MPFHxA	103	70 - 130		%Rec		6/24/2024 6:57:00 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level.	< Not Detected at the Reporting Limit
	H Holding times for preparation or analysis exceeded	MCL Maximum Contaminant Level
	PL Permit Limit	RL Reporting Limit
	S Spike Recovery outside accepted recovery limits	

CLIENT:	Trace Analytical Laboratories, Inc.	Collection Date	6/13/2024 1:00:00 PM
Project:	24F0558	Received Date:	6/17/2024 1:50:00 PM
Lab ID:	2406B05-03	Matrix:	DRINKING WATER
Client Sample ID:	24F0558-05	Sampled By:	Trace- CS
Location:	Elem. Kit Sink		

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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PFAS, DRINKING WATER

EPA 537.1

Analyst: **JS**

PFBS	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFHxA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
HFPO-DA	< 2.0	2.0		ng/L	10	6/24/2024 7:27:00 PM
PFHxS	< 2.0	2.0		ng/L	10	6/24/2024 7:27:00 PM
PFHpA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
ADONA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFOA	< 2.0	2.0		ng/L	4.0	6/24/2024 7:27:00 PM
PFOS	< 2.0	2.0		ng/L	4.0	6/24/2024 7:27:00 PM
PFNA	< 2.0	2.0		ng/L	10	6/24/2024 7:27:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFDA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFUnA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFDoA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFTTrDA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
PFTA	< 2.0	2.0		ng/L		6/24/2024 7:27:00 PM
Surr: d5-N-EtFOSSA	91.9	70 - 130		%Rec		6/24/2024 7:27:00 PM
Surr: M3HFPO-DA	88.3	70 - 130		%Rec		6/24/2024 7:27:00 PM
Surr: MPFDA	95.4	70 - 130		%Rec		6/24/2024 7:27:00 PM
Surr: MPFHxA	103	70 - 130		%Rec		6/24/2024 7:27:00 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level.	< Not Detected at the Reporting Limit
	H Holding times for preparation or analysis exceeded	MCL Maximum Contaminant Level
	PL Permit Limit	RL Reporting Limit
	S Spike Recovery outside accepted recovery limits	

CLIENT:	Trace Analytical Laboratories, Inc.	Collection Date	6/13/2024 1:35:00 PM
Project:	24F0558	Received Date:	6/17/2024 1:50:00 PM
Lab ID:	2406B05-05	Matrix:	DRINKING WATER
Client Sample ID:	24F0558-11	Sampled By:	Trace- CS
Location:	High School Kit		

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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PFAS, DRINKING WATER

EPA 537.1

Analyst: **JS**

PFBS	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFHxA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
HFPO-DA	< 2.0	2.0		ng/L	10	6/24/2024 7:56:00 PM
PFHxS	< 2.0	2.0		ng/L	10	6/24/2024 7:56:00 PM
PFHpA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
ADONA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFOA	< 2.0	2.0		ng/L	4.0	6/24/2024 7:56:00 PM
PFOS	< 2.0	2.0		ng/L	4.0	6/24/2024 7:56:00 PM
PFNA	< 2.0	2.0		ng/L	10	6/24/2024 7:56:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFDA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFUnA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFDoA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFTTrDA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
PFTA	< 2.0	2.0		ng/L		6/24/2024 7:56:00 PM
Surr: d5-N-EtFOSSA	81.5	70 - 130		%Rec		6/24/2024 7:56:00 PM
Surr: M3HFPO-DA	81.9	70 - 130		%Rec		6/24/2024 7:56:00 PM
Surr: MPFDA	84.1	70 - 130		%Rec		6/24/2024 7:56:00 PM
Surr: MPFHxA	105	70 - 130		%Rec		6/24/2024 7:56:00 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level.	< Not Detected at the Reporting Limit
	H Holding times for preparation or analysis exceeded	MCL Maximum Contaminant Level
	PL Permit Limit	RL Reporting Limit
	S Spike Recovery outside accepted recovery limits	

WO#: **2406B05**

6/25/2024

Client: Trace Analytical Laboratories, Inc.

Project: 24F0558

TestCode: PFAS-DW

Sample ID: MB-L8-6925	SampType: MBLK	TestCode: PFAS-DW	Units: ng/L	Prep Date: 6/20/2024	RunNo: 39515						
Client ID: PBW	Batch ID: 6925	TestNo: EPA 537.1		Analysis Date: 6/22/2024	SeqNo: 784604						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	< 1.8	1.8									
PFHxA	< 1.8	1.8									
HFPO-DA	< 1.8	1.8									
PFHxS	< 1.8	1.8									
PFHpA	< 1.8	1.8									
ADONA	< 1.8	1.8									
PFOA	< 1.8	1.8									
PFOS	< 1.8	1.8									
PFNA	< 1.8	1.8									
9CI-PF3ONS	< 1.8	1.8									
PFDA	< 1.8	1.8									
NMeFOSAA	< 1.8	1.8									
NEtFOSAA	< 1.8	1.8									
PFUnA	< 1.8	1.8									
11CI-PF3OUdS	< 1.8	1.8									
PFDoA	< 1.8	1.8									
PFTTrDA	< 1.8	1.8									
PFTA	< 1.8	1.8									
Surr: d5-N-EtFOSSA	320		320.0		101	70	130				
Surr: M3HFPO-DA	230		200.0		114	70	130				
Surr: MPFDA	84		80.00		105	70	130				
Surr: MPFHxA	82		80.00		103	70	130				

Qualifiers:

* Value exceeds Maximum Contaminant Level.	< Not Detected at the Reporting Limit	H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level	PL Permit Limit	RL Reporting Limit
S Spike Recovery outside accepted recovery limits		

WO#: **2406B05**

6/25/2024

Client: Trace Analytical Laboratories, Inc.

Project: 24F0558

TestCode: PFAS-DW

Sample ID: LCS-HIGH-6925 A	SampType: LCS-HIGH	TestCode: PFAS-DW	Units: ng/L	Prep Date: 6/20/2024	RunNo: 39515						
Client ID: BatchQC	Batch ID: 6925	TestNo: EPA 537.1		Analysis Date: 6/22/2024	SeqNo: 784605						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	180	1.8	200.0	0	91.4	70	130				
PFHxA	190	1.8	200.0	0	94.4	70	130				
HFPO-DA	200	1.8	200.0	0	98.7	70	130				
PFHxS	180	1.8	200.0	0	89.9	70	130				
PFHpA	140	1.8	200.0	0	72.0	70	130				
ADONA	170	1.8	200.0	0	85.5	70	130				
PFOA	180	1.8	200.0	0	91.7	70	130				
PFOS	160	1.8	200.0	0	77.8	70	130				
PFNA	180	1.8	200.0	0	90.1	70	130				
9CI-PF3ONS	190	1.8	200.0	0	92.7	70	130				
PFDA	170	1.8	200.0	0	86.4	70	130				
NMeFOSAA	170	1.8	200.0	0	84.8	70	130				
NEtFOSAA	170	1.8	200.0	0	82.7	70	130				
PFUnA	160	1.8	200.0	0	80.8	70	130				
11CI-PF3OUdS	180	1.8	200.0	0	90.5	70	130				
PFDoA	180	1.8	200.0	0	88.6	70	130				
PFTTrDA	150	1.8	200.0	0	77.3	70	130				
PFTA	160	1.8	200.0	0	80.2	70	130				
Surr: d5-N-EtFOSSA	300		320.0		92.3	70	130				
Surr: M3HFPO-DA	200		200.0		102	70	130				
Surr: MPFDA	74		80.00		92.7	70	130				
Surr: MPFHxA	96		80.00		120	70	130				

Qualifiers:

* Value exceeds Maximum Contaminant Level.
MCL Maximum Contaminant Level
S Spike Recovery outside accepted recovery limits

< Not Detected at the Reporting Limit
PL Permit Limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit

Original

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WO#: **2406B05**

6/25/2024

Client: Trace Analytical Laboratories, Inc.

Project: 24F0558

TestCode: PFAS-DW

Sample ID: 2406B04-01ADUP	SampType: DUP	TestCode: PFAS-DW	Units: ng/L	Prep Date: 6/20/2024	RunNo: 39515						
Client ID: BatchQC	Batch ID: 6925	TestNo: EPA 537.1	Analysis Date: 6/24/2024	SeqNo: 784795							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	3.1	1.6						3.136	0.507	30	
PFHxA	< 1.6	1.6						0	0	30	
HFPO-DA	< 1.6	1.6						0	0	30	
PFHxS	3.9	1.6						4.000	2.86	30	
PFHpA	< 1.6	1.6						0	0	30	
ADONA	< 1.6	1.6						0	0	30	
PFOA	1.8	1.6						1.845	0.108	30	
PFOS	10	1.6						10.37	1.62	30	*
PFNA	< 1.6	1.6						0	0	30	
9CI-PF3ONS	< 1.6	1.6						0	0	30	
PFDA	< 1.6	1.6						0	0	30	
NMeFOSAA	< 1.6	1.6						0	0	30	
NEtFOSAA	< 1.6	1.6						0	0	30	
PFUnA	< 1.6	1.6						0	0	30	
11CI-PF3OUdS	< 1.6	1.6						0	0	30	
PFDoA	< 1.6	1.6						0	0	30	
PFTTrDA	< 1.6	1.6						0	0	30	
PFTA	< 1.6	1.6						0	0	30	
Surr: d5-N-EtFOSSA	260		290.9		89.5	70	130		0	0	
Surr: M3HFPO-DA	160		181.8		90.5	70	130		0	0	
Surr: MPFDA	67		72.73		92.6	70	130		0	0	
Surr: MPFHxA	72		72.73		98.9	70	130		0	0	

Qualifiers: * Value exceeds Maximum Contaminant Level. < Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level PL Permit Limit RL Reporting Limit
S Spike Recovery outside accepted recovery limits

WO#: **2406B05**

6/25/2024

Client: Trace Analytical Laboratories, Inc.

Project: 24F0558

TestCode: PFAS-DW

Sample ID: 2406A45-01AMS	SampType: MS-MID	TestCode: PFAS-DW	Units: ng/L	Prep Date: 6/20/2024	RunNo: 39515						
Client ID: BatchQC	Batch ID: 6925	TestNo: EPA 537.1	Analysis Date: 6/24/2024	SeqNo: 784800							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	82	1.7	75.47	2.064	106	70	130				
PFHxA	87	1.7	75.47	2.928	111	70	130				
HFPO-DA	81	1.7	75.47	0	107	70	130				
PFHxS	85	1.7	75.47	3.668	108	70	130				
PFHpA	84	1.7	75.47	2.113	109	70	130				
ADONA	87	1.7	75.47	0	115	70	130				
PFOA	92	1.7	75.47	5.321	114	70	130				
PFOS	84	1.7	75.47	1.875	109	70	130				
PFNA	92	1.7	75.47	0	121	70	130				
9CI-PF3ONS	80	1.7	75.47	0	106	70	130				
PFDA	82	1.7	75.47	0	109	70	130				
NMeFOSAA	80	1.7	75.47	0	106	70	130				
NEtFOSAA	82	1.7	75.47	0	108	70	130				
PFUnA	85	1.7	75.47	0	113	70	130				
11CI-PF3OUdS	76	1.7	75.47	0	100	70	130				
PFDoA	120	1.7	75.47	0	159	70	130				S
PFTTrDA	98	1.7	75.47	0	130	70	130				
PFTA	140	1.7	75.47	0	190	70	130				S
Surr: d5-N-EtFOSSA	310		301.9		101	70	130				
Surr: M3HFPO-DA	200		188.7		104	70	130				
Surr: MPFDA	79		75.47		105	70	130				
Surr: MPFHxA	84		75.47		111	70	130				

Qualifiers: * Value exceeds Maximum Contaminant Level. < Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level PL Permit Limit RL Reporting Limit
S Spike Recovery outside accepted recovery limits

WO#: **2406B05**

6/25/2024

Client: Trace Analytical Laboratories, Inc.

Project: 24F0558

TestCode: PFAS-DW

Sample ID: LCS-HIGH-6925 B	SampType: LCS-HIGH	TestCode: PFAS-DW	Units: ng/L	Prep Date: 6/20/2024	RunNo: 39515						
Client ID: BatchQC	Batch ID: 6925	TestNo: EPA 537.1		Analysis Date: 6/25/2024	SeqNo: 784809						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	180	1.8	200.0	0	89.9	70	130				
PFHxA	180	1.8	200.0	0	89.8	70	130				
HFPO-DA	180	1.8	200.0	0	87.9	70	130				
PFHxS	180	1.8	200.0	0	89.0	70	130				
PFHpA	180	1.8	200.0	0	89.1	70	130				
ADONA	190	1.8	200.0	0	93.7	70	130				
PFOA	180	1.8	200.0	0	91.9	70	130				
PFOS	180	1.8	200.0	0	89.6	70	130				
PFNA	180	1.8	200.0	0	92.3	70	130				
9CI-PF3ONS	180	1.8	200.0	0	90.1	70	130				
PFDA	170	1.8	200.0	0	83.7	70	130				
NMeFOSAA	180	1.8	200.0	0	89.9	70	130				
NEtFOSAA	180	1.8	200.0	0	91.9	70	130				
PFUnA	160	1.8	200.0	0	81.1	70	130				
11CI-PF3OUdS	170	1.8	200.0	0	86.2	70	130				
PFDoA	160	1.8	200.0	0	81.4	70	130				
PFTTrDA	240	1.8	200.0	0	121	70	130				
PFTA	260	1.8	200.0	0	129	70	130				
Surr: d5-N-EtFOSSA	290		320.0		89.5	70	130				
Surr: M3HFPO-DA	180		200.0		88.9	70	130				
Surr: MPFDA	67		80.00		83.7	70	130				
Surr: MPFHxA	90		80.00		113	70	130				

Qualifiers:

* Value exceeds Maximum Contaminant Level.
MCL Maximum Contaminant Level
S Spike Recovery outside accepted recovery limits

< Not Detected at the Reporting Limit
PL Permit Limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit

Original
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SUBCONTRACT ORDER
24F0558

SENDING LABORATORY:

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444
Phone: 231.773.5998

RECEIVING LABORATORY:

Prein and Newhof
3260 Evergreen Drive NE
Grand Rapids, MI 49525
Phone :(616) 364-7600

Project Manager: Tim Brewer

Note Our New Email address: TraceSubOut@trace-labs.com

PO # 24F0558

Matrix: Drinking Water Sampled: 06/13/24 12:50 TAT: Standard **6b05-1**

Sample ID: Girls Bathroom 24F0558-04

Sampled By: Trace-CS

Analysis Needed:

PFAS Drinking Water- EGLE List with Field Blank **-2**

Matrix: Drinking Water Sampled: 06/13/24 13:00 TAT: Standard

Sample ID: Elementary Kitchen Sink 24F0558-05 **.3**

Sampled By: Trace-CS

Analysis Needed:

PFAS Drinking Water- EGLE List with Field Blank **.4**

Released By: *[Signature]* Date: *6/13/24* Received By: *[Signature]* Date: *6/17/24 13:50* *6°C*

Released By: *[Signature]* Date: *6/17/24* Received By: Date: Page 10 of 11

SUBCONTRACT ORDER
24F0558

Matrix: Drinking Water Sampled: 06/13/24 13:35 TAT: Standard 6605-5

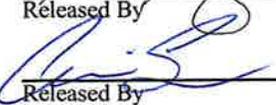
Sample ID: High School Kitchen 24F0558-11

Sampled By: Trace-CS

Analysis Needed:

PFAS Drinking Water- EGLE List with Field Blank

- 6

Released By:  Date: 6/13/24 Received By:  Date: 6/17/24 13:50 L.C.
Released By:  Date: 6/17/24 Received By: _____ Date: _____ Page 11 of 11

24F0558
 Evert Public Schools
 Project Manager: Tim Brewer

Sample Log In Checklist

Date: 6/14/24	Original Observation	Corrected Temperature	IR-9 (CF: 0.0°C)	IR-10 (CF: -0.2°C)	IR-12 (CF: 0.0°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.1°C)	Temp Blank	Client Sample
Time: 7:12									
Initials: BV									
Package Description: Cooler	Package Temp °C: 6.6	6.6							
Representative Sample Temp °C: 8.0		7.8							

Sample Receipt

Yes No

Received on ice or other coolant

Ice still present upon receipt

Custody seals present

Trace Courier Client Drop-off

Yes No Custody seals intact (if applicable)

UPS Fed Ex US Mail Other

Sample Condition

Yes No N/A

All sample containers arrived unbroken and labeled

Sufficient sample to run requested analyses

Correct chemical preservative added to samples

Samples preserved at Trace HNO3 added 6/14/24 @ 7:30

Chemical preservation verified, check EMD pH test strip used (if applicable)

pH 0-2.5 (Lot: HC311850) pH 11.0-13.0 (Lot: HC022540) Other

Air bubbles absent from VOAs

Chain of Custody (COC)

Yes No

All bottle labels agree with COC

COC filled out properly

COC signed by client

Notes:

CERTIFICATE OF ANALYSIS

STATE OF MICHIGAN LABORATORY ID: 8001

The Reg level for all analytes with the exception of Lead and Copper is the MCL, for Lead and Copper it is the AL.

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Trace Analytical Laboratories, Inc.
 2241 Black Creek Road
 Muskegon, MI 49444-2673



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 888-979-4469 Fax
 www.trace-labs.com

INVOICE

4060902

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Bill To: Evert Public Schools
 321 N. Hemlock St.
 Evert, MI 49631
 Attn: Accounts Payable

Trace ID: 24F0558

Project Name: Drinking Water Analysis- 6/13/24

Project Manager Bart Gallinger	Terms Net 30 days	Invoice Date 06/25/24	P.O. Number		Due Date 07/25/24
Quantity	Description		Rush Fee	Unit Price	Extended Amount
3	PFAS Drinking Water- EGLE List with Field Blank			\$400.00	\$1,200.00
11	EPA 200.8 Total Metals			\$31.50	\$346.50
11	Partial Chemistry			\$45.00	\$495.00
Additional Items					
1	Environmental Responsibility Fee			\$12.00	\$12.00
1	Sample Collection- Labor			\$150.00	\$150.00
Invoice Total:					\$2,203.50

**Please Note New Remit to Address:
 Trace Analytical Laboratories, Inc.
 PO BOX 775169
 Chicago, IL 60677-5169**

Invoice Number must be referenced with payment to ensure proper credit.
 If not paid within thirty (30) days, this invoice shall be subject to 1 1/2 percent (1.5%) per month service charge effective as of the date of delivery.
 In the event it is necessary to commence collection proceedings, buyer shall pay all collection costs incurred including reasonable attorney's fees.