



PROJECT NUMBER 230029-0005

DATE: 3/14/2024

PROJECT Chippewa Middle School

SAMPLED BY Phil Peterson

CLIENT Okemos Public Schools

ANALYZED BY Merit

WATER SAMPLE DATA SHEET

SAMPLE #	TYPE	DESCRIPTION	TIME ON	Results
12	L	F106 bathroom sink 1st draw	06:09	10 ppb
13	L	F106 bathroom 2nd draw	06:10	3 ppb
14	L	C105	6:14	Not detected
15	L	Main Office Workroom - 1st	6:21	Not detected
16	L	Main Office Workroom - 2nd draw	6:22	Not detected
17	L	Main Office Workroom - 3rd draw	06:27	Not detected

mg/L=PPM
ppm/1000=PPB

SAMPLE TYPES: L-Lead in water



Analytical Laboratory Report

Report ID: S59769.01(01)
Generated on 03/15/2024

Report to

Attention: Phillip Peterson
Environmental Resource Group
3125 Sovereign Drive, Suite 9B
Lansing, MI 48911

Phone: 517-999-6020 FAX:
Email: Phillip.Peterson@ergp.net

Additional Contacts: John Kemp

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S59769.01-S59769.06
Project: 230029-0005 Chippewa
Collected Date(s): 03/14/2024
Submitted Date/Time: 03/14/2024 08:55
Sampled by: Phil Peterson
P.O. #: 230029-0005

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
SW3015A	SW 846 Method 3015A Revision 1 February 2007



Analytical Laboratory Report

Sample Summary (6 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S59769.01	Room F106 bathroom sink - first draw	Drinking Water	03/14/24 06:09
S59769.02	Room F106 bathroom sink - second draw	Drinking Water	03/14/24 06:10
S59769.03	C105	Drinking Water	03/14/24 06:14
S59769.04	Main Office Work Room - first draw	Drinking Water	03/14/24 06:21
S59769.05	Main Office Work Room - second draw	Drinking Water	03/14/24 06:22
S59769.06	Main Office Work Room - third draw (59.9	Drinking Water	03/14/24 06:27



Analytical Laboratory Report

Lab Sample ID: S59769.01

Sample Tag: Room F106 bathroom sink - first draw

Collected Date/Time: 03/14/2024 06:09

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	20.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/14/24 14:15	CCM	

Metals

Method: E200.8, Run Date: 03/14/24 15:26, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.010	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59769.02

Sample Tag: Room F106 bathroom sink - second draw

Collected Date/Time: 03/14/2024 06:10

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	20.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/14/24 14:15	CCM	

Metals

Method: E200.8, Run Date: 03/14/24 15:27, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.003	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59769.03

Sample Tag: C105

Collected Date/Time: 03/14/2024 06:14

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	20.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/14/24 14:15	CCM	

Metals

Method: E200.8, Run Date: 03/14/24 15:27, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	Not detected	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59769.04

Sample Tag: Main Office Work Room - first draw

Collected Date/Time: 03/14/2024 06:21

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	20.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/14/24 14:15	CCM	

Metals

Method: E200.8, Run Date: 03/14/24 15:28, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	Not detected	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59769.05

Sample Tag: Main Office Work Room - second draw

Collected Date/Time: 03/14/2024 06:22

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	20.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/14/24 14:15	CCM	

Metals

Method: E200.8, Run Date: 03/14/24 15:29, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	Not detected	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59769.06

Sample Tag: Main Office Work Room - third draw (59.9)

Collected Date/Time: 03/14/2024 06:27

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	20.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/14/24 14:15	CCM	

Metals

Method: E200.8, Run Date: 03/14/24 15:30, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	Not detected	0.001		mg/L	2	7439-92-1		0.015

Merit Laboratories Login Checklist

Lab Set ID:S59769

Attention: Phillip Peterson
Address: Environmental Resource Group
3125 Sovereign Drive, Suite 9B
Lansing, MI 48911

Client:ERG (Environmental Resource Group)

Project: 230029-0005 Chippewa

Submitted:03/14/2024 08:55 Login User: MMC

Phone: 517-999-6020 FAX:
Email: Phillip.Peterson@ergrp.net

Selection	Description	Note
-----------	-------------	------

Sample Receiving

- | | | |
|-----|--|---|
| 01. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples are received at 4C +/- 2C Thermometer # IR 20.1 |
| 02. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Received on ice/ cooling process begun |
| 03. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples shipped |
| 04. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples left in 24 hr. drop box |
| 05. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Are there custody seals/tape or is the drop box locked |

Chain of Custody

- | | | |
|-----|--|--|
| 06. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out |
| 07. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC signed and relinquished to the lab |
| 08. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample tag on bottles match COC |
| 09. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Subcontracting needed? Subcontracted to: |

Preservation

- | | | |
|-----|--|---|
| 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Do sample have correct chemical preservation |
| 11. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Completed pH checks on preserved samples? (no VOAs) |
| 12. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Did any samples need to be preserved in the lab? |

Bottle Conditions

- | | | |
|-----|--|---|
| 13. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All bottles intact |
| 14. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Appropriate analytical bottles are used |
| 15. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Merit bottles used |
| 16. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sufficient sample volume received |
| 17. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples require laboratory filtration |
| 18. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples submitted within holding time |
| 19. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Do water VOC or TOX bottles contain headspace |

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories Bottle Preservation Check

Lab Set ID: S59769 Submitted: 03/14/2024 08:55

Client: ERG (Environmental Resource Group)

Project: 230029-0005 Chippewa

Initial Preservation Check: 03/14/2024 09:37 MMC

Preservation Recheck (E200.8): N/A

Attention: Phillip Peterson

Address: Environmental Resource Group
3125 Sovereign Drive, Suite 9B
Lansing, MI 48911

Phone: 517-999-6020

FAX:

Email: Phillip.Peterson@ergrp.net

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S59769.01	1L Plastic HNO3	<2			
S59769.02	1L Plastic HNO3	<2			
S59769.03	1L Plastic HNO3	<2			
S59769.04	1L Plastic HNO3	<2			
S59769.05	1L Plastic HNO3	<2			
S59769.06	1L Plastic HNO3	<2			



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C.O.C. PAGE # 1 OF 1

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **Phil Peterson**
 COMPANY **ERG - Lansing**
 ADDRESS **3125 Sovereign Drive, Suite 9B**
 CITY **Lansing** STATE **MI** ZIP CODE **48911**
 PHONE NO. **517-999-6020** FAX NO. _____ P.O. NO. **230029-0005**
 E-MAIL ADDRESS **phillip.peterson@ergrp.net** QUOTE NO. _____

CONTACT NAME **Accounting** SAME
 COMPANY **ERG**
 ADDRESS **28003 Center Oaks Court, Suite 106**
 CITY **Wixom** STATE **MI** ZIP CODE **48393**
 PHONE NO. **248-773-7986** E-MAIL ADDRESS **Accounting@ergrp.net**

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME **230029-0005 (Chippewa)** SAMPLER(S) - PLEASE PRINT/SIGN NAME **Phil Peterson**

TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER _____

DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER _____

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	LEAD IN DRINKING WATER	Certifications		Project Locations		Special Instructions
	DATE	TIME												<input type="checkbox"/> OHIO VAP	<input checked="" type="checkbox"/> Drinking Water	<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES	
59769.01	3/14/24	6:09	Room F106 bathroom sink - first draw	dw	1			X					✓					
.02	3/14/24	6:10	Room F106 bathroom sink - second draw	dw	1			X					✓					
.03	3/14/24	6:14	C105	dw	1			X					✓					
.04	3/14/24	6:21	Main Office Work Room - first draw	dw	1			X					✓					
.05	3/14/24	6:22	Main Office Work Room - second draw	dw	1			X					✓					
.06	3/14/24	6:27	Main Office Work Room - third draw (59.9	dw	1			X					✓					

RELINQUISHED BY: *Phil Peterson* **Phil Peterson** Sampler DATE **03/14/24** TIME **08:24**

RECEIVED BY: *Phil Peterson* DATE **3/14/24** TIME **8:25**

RELINQUISHED BY: *John Murray* DATE **3/14/24** TIME _____

RECEIVED BY: *John Murray* DATE **3/14/24** TIME **08:55**

RELINQUISHED BY: _____ DATE _____ TIME _____

RECEIVED BY: _____ DATE _____ TIME _____

SEAL NO. _____ SEAL INTACT YES NO INITIALS _____
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____
 NOTES: TEMP. ON ARRIVAL **20.1** **No Ice**

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE