



# Analytical Laboratory Report

Report ID: S56123.01(01)  
Generated on 11/29/2023

Report to

Attention: Kristin Peterson  
Environmental Resource Group  
28003 Center Oaks Court, Suite 106  
Wixom, MI 48393

Phone: 517-256-4048 FAX:  
Email: Kristin.Peterson@ergp.net

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Report Summary

Lab Sample ID(s): S56123.01-S56123.10  
Project: 230029 Edgewood Early Childhood Center  
Collected Date(s): 11/28/2023  
Submitted Date/Time: 11/28/2023 09:53  
Sampled by: Kristin Peterson  
P.O. #:

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Maya Murshak  
Technical Director



# Analytical Laboratory Report

## General Report Notes

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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.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

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

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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 (10 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S56123.01	02 - Room 110	Drinking Water	11/28/23 06:06
S56123.02	04 - Room 112	Drinking Water	11/28/23 06:09
S56123.03	06 - Room 106	Drinking Water	11/28/23 06:14
S56123.04	08 - Room 104	Drinking Water	11/28/23 06:17
S56123.05	10 - Room 102	Drinking Water	11/28/23 06:20
S56123.06	12 - Bottle fill Near 118	Drinking Water	11/28/23 06:22
S56123.07	14 - Room 114	Drinking Water	11/28/23 06:25
S56123.08	16 - Room 126 Bathroom	Drinking Water	11/28/23 06:29
S56123.09	18 - Bottle fill Near 112	Drinking Water	11/28/23 06:32
S56123.10	20 - Bottle fill across from Gym	Drinking Water	11/28/23 06:37



# Analytical Laboratory Report

Lab Sample ID: S56123.01

Sample Tag: 02 - Room 110

Collected Date/Time: 11/28/2023 06:06

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:06, 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: S56123.02

Sample Tag: 04 - Room 112

Collected Date/Time: 11/28/2023 06:09

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:07, 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: S56123.03

Sample Tag: 06 - Room 106

Collected Date/Time: 11/28/2023 06:14

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:08, 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: S56123.04

Sample Tag: 08 - Room 104

Collected Date/Time: 11/28/2023 06:17

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:08, 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: S56123.05

Sample Tag: 10 - Room 102

Collected Date/Time: 11/28/2023 06:20

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:09, 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: S56123.06

Sample Tag: 12 - Bottle fill Near 118

Collected Date/Time: 11/28/2023 06:22

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:10, 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: S56123.07

Sample Tag: 14 - Room 114

Collected Date/Time: 11/28/2023 06:25

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:10, 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: S56123.08

Sample Tag: 16 - Room 126 Bathroom

Collected Date/Time: 11/28/2023 06:29

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:11, 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: S56123.09

Sample Tag: 18 - Bottle fill Near 112

Collected Date/Time: 11/28/2023 06:32

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:12, 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: S56123.10

Sample Tag: 20 - Bottle fill across from Gym

Collected Date/Time: 11/28/2023 06:37

Matrix: Drinking Water

COC Reference: 166359

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	Yes	11.4	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	11/29/23 10:00	CCM	

### Metals

Method: E200.8, Run Date: 11/29/23 11:13, 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:S56123

Client:ERG (Environmental Resource Group)

Project: 230029 Edgewood Early Childhood Center

Submitted: 11/28/2023 09:53 Login User: MMC

Attention: Kristin Peterson

Address: Environmental Resource Group  
28003 Center Oaks Court, Suite 106  
Wixom, MI 48393

Phone: 517-256-4048 FAX:

Email: Kristin.Peterson@ergrp.net

Selection	Description	Note
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## 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 11.4 |
| 02. | <input checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out Missing sampler name |
| 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: S56123 Submitted: 11/28/2023 09:53

Client: ERG (Environmental Resource Group)

Project: 230029 Edgewood Early Childhood Center

Initial Preservation Check: 11/28/2023 10:22 MMC

Preservation Recheck (E200.8): N/A

Attention: Kristin Peterson

Address: Environmental Resource Group  
28003 Center Oaks Court, Suite 106  
Wixom, MI 48393

Phone: 517-256-4048

FAX:

Email: Kristin.Peterson@ergp.net

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S56123.01	1L Plastic HNO3	<2			
S56123.02	1L Plastic HNO3	<2			
S56123.03	1L Plastic HNO3	<2			
S56123.04	1L Plastic HNO3	<2			
S56123.05	1L Plastic HNO3	<2			
S56123.06	1L Plastic HNO3	<2			
S56123.07	1L Plastic HNO3	<2			
S56123.08	1L Plastic HNO3	<2			
S56123.09	1L Plastic HNO3	<2			
S56123.10	1L Plastic HNO3	<2			



REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Kristin Peterson  
 COMPANY: ERG  
 ADDRESS: 3125 Sovereign Dr Suite 9B  
 CITY: Lansing STATE: MI ZIP CODE: 48911  
 PHONE NO.: 517-256-4048  
 E-MAIL ADDRESS: Kristin.peterson@ergroup.net

CONTACT NAME: Accounting  
 COMPANY: ~~28003 Center Oaks Ct, - ERG~~  
 ADDRESS: 28003 Center Oaks Ct, Suite 106  
 CITY: Wixom STATE: MI ZIP CODE: 48393  
 PHONE NO.: 248-773-7986

PROJECT NO./NAME: 230029 Edge wood Early Childhood Center  
 SAMPLER(S) - PLEASE PRINT/SIGN NAME: \_\_\_\_\_  
 TURNAROUND TIME REQUIRED:  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications	<input type="checkbox"/> OHIO VAP	<input checked="" type="checkbox"/> Drinking Water
	<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES
Project Locations	<input type="checkbox"/> Detroit	<input type="checkbox"/> New York
	<input type="checkbox"/> Other _____	
Special Instructions	_____	

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

# Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	COLLECTION		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives								Lead
	DATE	TIME				NONE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER		
56123.01	11/28/23	6:06	02 - Room 110	W	1			X						X
.02		6:09	04 - Room 112	W	1			X						X
.03		6:14	06 - Room 106	W	1			X						X
.04		6:17	08 - Room 104	W	1			X						X
.05		6:20	10 - Room 102	W	1			X						X
.06		6:22	12 - Bottle fill near 118	W	1			X						X
.07		6:25	14 - Room 114	W	1			X						X
.08		6:29	16 - Room 126 Bathroom	W	1			X						X
.09		6:32	18 - Bottle fill near 112	W	1			X						X
.10		6:37	20 - Bottle fill across from Gym	W	1			X						X

RELINQUISHED BY: [Signature] ERG DATE: 11/28/23 TIME: 8:30  
 RECEIVED BY: [Signature] DATE: 11/28/23 TIME: 09:53

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 11.4  
 YES  NO