



Analytical Laboratory Report

Report ID: S59905.01(01)
Generated on 03/19/2024

Report to

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

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

Additional Contacts: John Kemp

Report produced by

Merit Laboratories, Inc.
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John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S59905.01-S59905.13
Project: 230029-005 (Kinawa)
Collected Date(s): 03/18/2024
Submitted Date/Time: 03/18/2024 09:38
Sampled by: Kristin Peterson
P.O. #:

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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.

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

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 (13 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S59905.01	Room 214 - double sink (01)	Drinking Water	03/18/24 06:33
S59905.02	Cafeteria Kitchen Sink (02)	Drinking Water	03/18/24 06:38
S59905.03	(03) Bottle fill across from cafeteria	Drinking Water	03/18/24 06:40
S59905.04	(04) Middle sink of Room 110	Drinking Water	03/18/24 06:47
S59905.05	(05) Short bottle fill Near Faculty R. Lounge	Drinking Water	03/18/24 06:53
S59905.06	(06) Room 304 sink Nearest to door	Drinking Water	03/18/24 06:55
S59905.07	(07) Room 307, 1st from entry	Drinking Water	03/18/24 06:57
S59905.08	(08) Main office Clinic restroom sink	Drinking Water	03/18/24 06:59
S59905.09	(09) Room 402 - foods	Drinking Water	03/18/24 07:02
S59905.10	(10) Band 406 - Cleaning Room	Drinking Water	03/18/24 07:04
S59905.11	(11) Boys locker room - Shower sink	Drinking Water	03/18/24 07:11
S59905.12	(12) bottle fill between rr Near 100-105 hallway	Drinking Water	03/18/24 07:16
S59905.13	Room 104, 3rd Sink (13)	Drinking Water	03/18/24 07:18



Analytical Laboratory Report

Lab Sample ID: S59905.01

Sample Tag: Room 214 - double sink (01)

Collected Date/Time: 03/18/2024 06:33

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals

Method: E200.8, Run Date: 03/18/24 16:15, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.002	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59905.02

Sample Tag: Cafeteria Kitchen Sink (02)

Collected Date/Time: 03/18/2024 06:38

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals

Method: E200.8, Run Date: 03/18/24 16:16, Analyst: CCM

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



Analytical Laboratory Report

Lab Sample ID: S59905.03

Sample Tag: (03) Bottle fill across from cafeteria

Collected Date/Time: 03/18/2024 06:40

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals**Method: E200.8, Run Date: 03/18/24 16:22, 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: S59905.04

Sample Tag: (04) Middle sink of Room 110

Collected Date/Time: 03/18/2024 06:47

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals**Method: E200.8, Run Date: 03/18/24 16:23, Analyst: CCM**

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.011	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59905.05

Sample Tag: (05) Short bottle fill Near Facility R. Lounge

Collected Date/Time: 03/18/2024 06:53

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals**Method: E200.8, Run Date: 03/18/24 16:24, 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: S59905.06

Sample Tag: (06) Room 304 sink Nearest to door

Collected Date/Time: 03/18/2024 06:55

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	n/a	n/a	No	n/a	n/a

Other / Misc.**Method: , Run Date: 03/19/24 10:43, Analyst: JRM**

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
No Analyses*	Completed				1			



Analytical Laboratory Report

Lab Sample ID: S59905.07

Sample Tag: (07) Room 307, 1st from entry

Collected Date/Time: 03/18/2024 06:57

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals

Method: E200.8, Run Date: 03/18/24 16:24, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.021	0.001		mg/L	2	7439-92-1	!	0.015

!-Result is outside of stated limit criteria



Analytical Laboratory Report

Lab Sample ID: S59905.08

Sample Tag: (08) Main office Clinic restroom sink

Collected Date/Time: 03/18/2024 06:59

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals**Method: E200.8, Run Date: 03/18/24 16:25, 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: S59905.09

Sample Tag: (09) Room 402 - foods

Collected Date/Time: 03/18/2024 07:02

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals

Method: E200.8, Run Date: 03/18/24 16:26, 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: S59905.10

Sample Tag: (10) Band 406 - Cleaning Room

Collected Date/Time: 03/18/2024 07:04

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals

Method: E200.8, Run Date: 03/18/24 16:27, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.005	0.001		mg/L	2	7439-92-1		0.015



Analytical Laboratory Report

Lab Sample ID: S59905.11

Sample Tag: (11) Boys locker room - Shower sink

Collected Date/Time: 03/18/2024 07:11

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals**Method: E200.8, Run Date: 03/18/24 16:27, Analyst: CCM**

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.044	0.001		mg/L	2	7439-92-1	!	0.015

!-Result is outside of stated limit criteria



Analytical Laboratory Report

Lab Sample ID: S59905.12

Sample Tag: (12) bottle fill between rr Near 100-105 hallway

Collected Date/Time: 03/18/2024 07:16

Matrix: Drinking Water

COC Reference: 1

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals**Method: E200.8, Run Date: 03/18/24 16:28, 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: S59905.13

Sample Tag: Room 104, 3rd Sink (13)

Collected Date/Time: 03/18/2024 07:18

Matrix: Drinking Water

COC Reference: 2

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	HNO3	No	14.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3015A	03/18/24 15:00	CCM	

Metals

Method: E200.8, Run Date: 03/18/24 16:29, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Lead	0.009	0.001		mg/L	2	7439-92-1		0.015

Merit Laboratories Login Checklist

Lab Set ID:S59905

Client:ERG (Environmental Resource Group)

Project: 230029-005 (Kinawa)

Submitted:03/18/2024 09:38 Login User: MMC

Attention: Kristin Peterson

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

Phone: 517-256-4048 FAX:

Email: Kristin.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 14.1
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 Missing sample .06
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: S59905 Submitted: 03/18/2024 09:38

Client: ERG (Environmental Resource Group)

Project: 230029-005 (Kinawa)

Initial Preservation Check: 03/18/2024 10:13 MMC

Preservation Recheck (E200.8): N/A

Attention: Kristin Peterson

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

Phone: 517-256-4048

FAX:

Email: Kristin.Peterson@ergp.net

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S59905.01	1L Plastic HNO3	<2			
S59905.02	1L Plastic HNO3	<2			
S59905.03	1L Plastic HNO3	<2			
S59905.04	1L Plastic HNO3	<2			
S59905.05	1L Plastic HNO3	<2			
S59905.06	1L Plastic HNO3	<2			
S59905.07	1L Plastic HNO3	<2			
S59905.08	1L Plastic HNO3	<2			
S59905.09	1L Plastic HNO3	<2			
S59905.10	1L Plastic HNO3	<2			
S59905.11	1L Plastic HNO3	<2			
S59905.12	1L Plastic HNO3	<2			
S59905.13	1L Plastic HNO3	<2			



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C.O.C. PAGE # 1 OF 2

REPORT TO **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME: Kristin Peterson
 COMPANY: ERG
 ADDRESS: 3125 Sovereign Dr. suite B
 CITY: Lansing STATE: Mi ZIP CODE: 48911
 PHONE NO.: 517-256-4048 FAX NO.: _____ P.O. NO.: _____
 E-MAIL ADDRESS: Kristin.peterson@ersrp.net QUOTE NO.: _____

CONTACT NAME: Accounting SAME
 COMPANY: ERG
 ADDRESS: 28003 Center Oaks Dr., suite 106
 CITY: Wixom STATE: Mi ZIP CODE: 48393
 PHONE NO.: 248-773-8556 E-MAIL ADDRESS: accounting@ersrp.net

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: 230029 - 005 (Kinsawa) SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kristin 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: Lead
 Certifications: OHIO VAP Drinking Water
 DoD NPDES
 Project Locations: Detroit New York
 Other _____
 Special Instructions: _____

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								
	DATE	TIME																		
59905.01	3/18/24	6:33	Room 214 - double sink (01)				X													
.02		6:38	cafeteria kitchen sink (02)				X													
.03		6:40	(03) Bottle fill across from cafeteria				X													
.04		6:47	(04) middle sink of Room 110				X													
.05		6:53	(05) Short bottle fill Near Facility R. Lounge				X													
.06		6:55	(06) Room 304 sink nearest to door				X													
.07		6:57	(07) Room 307, 15' from entry				X													
.08		6:59	(08) main office clinic restroom sink				X													
.09		7:02	(09) Room 402 - foods				X													
.10		7:04	(10) Band 406 - cleaning Room				X													
.11		7:05	(11) Boys locker room - shower sink				X													
.12		7:16	(12) bottle fill between rr near 100-105 hallway				X													

RELINQUISHED BY: [Signature] DATE: 3/18/24 TIME: 9:54
 RECEIVED BY: Shanna Murray DATE: 3/18/24 TIME: 0930

RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 14.1
 YES NO



2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-4034
 www.meritlabs.com

C.O.C. PAGE # 2 OF 2

REPORT TO **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME: Kristin Peterson
 COMPANY: ERG
 ADDRESS: 3105 Sovereign Dr. Suite B
 CITY: Lansing STATE: M. ZIP CODE: 48911
 PHONE NO.: 517-256-4040 FAX NO.: P.O. NO.:
 E-MAIL ADDRESS: Kristin.peterson@ergcorp.net QUOTE NO.:

CONTACT NAME: Accounting SAME
 COMPANY: ERG
 ADDRESS: 28003 Centn Oaks Dr, Suite 106
 CITY: Wixom STATE: M. ZIP CODE: 48393
 PHONE NO.: 248-773-8556 E-MAIL ADDRESS: accounting@ergcorp.net

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: 230029-005 (Kingawa) SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kristin Peterson *[Signature]*
 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=WIFE A=AIR W=WASTE

Containers & Preservatives

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other
 Special Instructions

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
	DATE	TIME											
59905.13	3/18/24	7:10	Room 104, 3rd sink (13)				X						X

RELINQUISHED BY: *[Signature]* DATE: 3/18/24 TIME: 8:54
 RECEIVED BY: *[Signature]* DATE: 3/18/24 TIME: 0935
 RELINQUISHED BY: *[Signature]* DATE: TIME:
 RECEIVED BY: *[Signature]* DATE: TIME:

RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL
 YES NO
 SEAL NO. SEAL INTACT INITIALS
 YES NO 14.1



Quality Control Report

Report ID: QC-S59905-01
Generated on 03/21/2024

Report to

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

Phone: 517-256-4048 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

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Report Summary

Lab Sample ID(s): S59905.01-S59905.05, S59905.07-S59905.13

Project: 230029-005 (Kinawa)

Submitted Date/Time: 03/18/2024 09:38

Sampled by: Kristin Peterson

P.O. #:

QC Report Sections

Cover Page (Page 1)

Analysis Summary (Pages 2-13)

Prep Batch Summary (Page 14)

Batch QC Results (Page 15)

Report Flag Descriptions

*: QC result is outside of indicated control limits

W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S59905.01

Sample Tag: Room 214 - double sink (01)

Collected Date/Time: 03/18/2024 06:33

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:15	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.02

Sample Tag: Cafeteria Kitchen Sink (02)

Collected Date/Time: 03/18/2024 06:38

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:16	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.03

Sample Tag: (03) Bottle fill across from cafeteria

Collected Date/Time: 03/18/2024 06:40

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:22	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.04

Sample Tag: (04) Middle sink of Room 110

Collected Date/Time: 03/18/2024 06:47

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:23	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.05

Sample Tag: (05) Short bottle fill Near Facility R. Lounge

Collected Date/Time: 03/18/2024 06:53

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:24	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.07

Sample Tag: (07) Room 307, 1st from entry

Collected Date/Time: 03/18/2024 06:57

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:24	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.08

Sample Tag: (08) Main office Clinic restroom sink

Collected Date/Time: 03/18/2024 06:59

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:25	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.09

Sample Tag: (09) Room 402 - foods

Collected Date/Time: 03/18/2024 07:02

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:26	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.10

Sample Tag: (10) Band 406 - Cleaning Room

Collected Date/Time: 03/18/2024 07:04

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:27	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.11

Sample Tag: (11) Boys locker room - Shower sink

Collected Date/Time: 03/18/2024 07:11

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:27	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.12

Sample Tag: (12) bottle fill between rr Near 100-105 hallway

Collected Date/Time: 03/18/2024 07:16

Matrix: Drinking Water

COC Reference: 1

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:28	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S59905.13

Sample Tag: Room 104, 3rd Sink (13)

Collected Date/Time: 03/18/2024 07:18

Matrix: Drinking Water

COC Reference: 2

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	E200.8	03/18/24 16:29	MT4-24-0318C	MTD-031824-5	No	BLK/LCS/MS/MSD

QC Report - Prep Batch Summary

Metals, Prep Batch ID: MTD-031824-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59905.01	Lead	E200.8	03/18/24 16:15	MT4-24-0318C
S59905.02	Lead	E200.8	03/18/24 16:16	MT4-24-0318C
S59905.03	Lead	E200.8	03/18/24 16:22	MT4-24-0318C
S59905.04	Lead	E200.8	03/18/24 16:23	MT4-24-0318C
S59905.05	Lead	E200.8	03/18/24 16:24	MT4-24-0318C
S59905.07	Lead	E200.8	03/18/24 16:24	MT4-24-0318C
S59905.08	Lead	E200.8	03/18/24 16:25	MT4-24-0318C
S59905.09	Lead	E200.8	03/18/24 16:26	MT4-24-0318C
S59905.10	Lead	E200.8	03/18/24 16:27	MT4-24-0318C
S59905.11	Lead	E200.8	03/18/24 16:27	MT4-24-0318C
S59905.12	Lead	E200.8	03/18/24 16:28	MT4-24-0318C
S59905.13	Lead	E200.8	03/18/24 16:29	MT4-24-0318C

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-031824-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Blank (BLK)

Lab Sample ID: MT4-24-0318C.018.LRB

Run in Batch: MT4-24-0318C, Run Date: 03/18/2024 16:06, Prep Date: 03/18/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Lead		ND	0.000198	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-24-0318C.017.LCS

Run in Batch: MT4-24-0318C, Run Date: 03/18/2024 16:05, Prep Date: 03/18/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Lead		100	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-24-0318C.031.MS, Parent Sample ID: S59840.06

Run in Batch: MT4-24-0318C, Run Date: 03/18/2024 16:17, Prep Date: 03/18/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Lead		96	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-24-0318C.045.MS, Parent Sample ID: S59905.13

Run in Batch: MT4-24-0318C, Run Date: 03/18/2024 16:29, Prep Date: 03/18/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Lead		93	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0318C.032.MSD, Parent Sample ID: MT4-24-0318C.031.MS

Run in Batch: MT4-24-0318C, Run Date: 03/18/2024 16:18, Prep Date: 03/18/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Lead		93	75	125	3	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0318C.046.MSD, Parent Sample ID: MT4-24-0318C.045.MS

Run in Batch: MT4-24-0318C, Run Date: 03/18/2024 16:30, Prep Date: 03/18/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Lead		93	75	125	0	20



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C.O.C. PAGE # 1 OF 2

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Kristin Peterson
 COMPANY: ERG
 ADDRESS: 3125 Sovereign Dr. Suite B
 CITY: Lansing STATE: Mi ZIP CODE: 48911
 PHONE NO.: 517-256-4048 FAX NO.: _____ P.O. NO.: _____
 E-MAIL ADDRESS: Kristin.peterson@ersrp.net QUOTE NO.: _____

CONTACT NAME: Accounting SAME
 COMPANY: ERG
 ADDRESS: 28003 Center Oaks Dr., Suite 106
 CITY: Wixom STATE: Mi ZIP CODE: 48393
 PHONE NO.: 248-773-8556 E-MAIL ADDRESS: accounting@ersrp.net

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: 230029 - 005 (Kincawa) SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kristin 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

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other _____
 Special Instructions

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
	DATE	TIME											
59905.01	3/18/24	6:33	Room 214 - double sink (01)				X						X
.02		6:38	cafeteria kitchen sink (02)				X						X
.03		6:40	(03) Bottle fill across from cafeteria				X						X
.04		6:47	(04) middle sink of Room 110				X						X
.05		6:53	(05) Short bottle fill Near Facility R - Lounge				X						X
.06		6:55	(06) Room 304 sink nearest to door				X						X
.07		6:57	(07) Room 307, 15' from entry				X						X
.08		6:59	(08) main office clinic restroom sink				X						X
.09		7:02	(09) Room 402 - foods				X						X
.10		7:04	(10) Band 406 - cleaning room				X						X
.11		7:05	(11) Boys locker room - shower sink				X						X
.12		7:16	(12) bottle fill between rr near 100-105 hallway				X						X

RELINQUISHED BY: [Signature] DATE: 3/18/24 TIME: 9:54
 RECEIVED BY: Shanna Murray DATE: 3/18/24 TIME: 09:20

RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 14.1
 YES NO
 SEAL NO. SEAL INTACT INITIALS
 YES NO

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



PROJECT NUMBER 230029-0005 (Kinawa)

DATE: 3/18/2024

PROJECT Kinawa Middle School

SAMPLED BY Kristin Peterson

CLIENT Okemos Public Schools

ANALYZED BY Merit

WATER SAMPLE DATA SHEET

SAMPLE #	TYPE	DESCRIPTION	TIME ON	Results
01	L	Room 214 double sink	6:33	2 ppb
02	L	Kitchen sink- of Cafeteria	6:38	1 ppb
03	L	Bottle fill across from Cafeteria	6:40	ND
04	L	Room 110, middle sink	6:47	11 ppb
05	L	Short bottle fill station near staff lounge	6:53	ND
06	L	Room 304- sink near the door	6:55	Not tested
07	L	Room 307- 15' from the door	6:57	21 ppb
08	L	Main Office Clinic sink	6:59	ND
09	L	Room 402-Foods	7:02	3 ppb
10	L	Room 406-Band cleaning room	7:04	5 ppb

ppb=Parts per billion
ND = Not detected

SAMPLE TYPES: L-Lead in water



PROJECT NUMBER 230029-0005 (Kinawa)

DATE: 3/18/2024

PROJECT Kinawa Middle School

SAMPLED BY Kristin Peterson

CLIENT Okemos Public Schools

ANALYZED BY Merit

WATER SAMPLE DATA SHEET

SAMPLE #	TYPE	DESCRIPTION	TIME ON	Results
11	L	Men's Locker Room-shower room sink	7:11	44 ppb
12	L	Bottle fill station between restrooms across from Hall of 100-105	7:16	ND
13	L	Room 104 third sink	7:18	9 ppb

ppb=Parts per billion
ND = Not detected

SAMPLE TYPES: L-Lead in water