



Testing Engineers & Consultants, Inc.

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www.testingengineers.com

TEC Report Number: 63866-01

Date Issued: January 22, 2024

Mr. Benjamin Matteson
Director of Facilities
Grosse Pointe Public School System
20601 Morningside Drive
Grosse Pointe Woods, MI 48236

Re: District-Wide Drinking Water Sampling and Analysis for Lead and Copper. Sampling Dates:
December 28-29, 2023.

Dear Mr. Matteson:

Testing Engineers & Consultants, Inc. (TEC) recently conducted district-wide drinking water screening sampling from various point of use outlets in each school. Both first-draw and two-minute flushed water samples were collected from representative bottle filling stations and kitchen/staff lounge sinks. All sampling locations were flushed for at least five minutes the previous evening by Grosse Pointe Public Schools (GPPS) facilities staff. After sampling was completed, the samples were forwarded to an MDEQ-certified drinking water laboratory (Paragon Laboratories, Livonia, MI) and analyzed for lead and copper using EPA Analytical Method 200.8. Please note that only one location (1st floor; kitchen sink) was tested at Richard Elementary School due to a power outage at the time of the sampling event.

Appendix A provides a district-wide summary of the laboratory results by building. Appendices B through N each contain a summary table of findings for an individual school, a layout depicting sampling locations as well as the laboratory report and Chain of Custody document. A total of 100 water samples were collected for this project. No samples throughout the district exceeded the EPA Action Level for lead and copper.

We are pleased to provide this service. Should you have any questions or require additional information, please contact this office at your earliest convenience.

Respectfully Yours,
TESTING ENGINEERS & CONSULTANTS, INC.

A handwritten signature in blue ink that reads "Scott M. Chandler". The signature is fluid and cursive, with the first letters of the first and last names being capitalized.

Scott M. Chandler, CIH
Manager, Industrial Hygiene Services

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All services undertaken are subject to the following policy. Reports are submitted for exclusive use of the clients to whom they are addressed. Their significance is subject to the adequacy and representative character of the samples and the comprehensiveness of the tests, examinations and surveys made. No quotation from reports or use of TEC's name is permitted except as expressly authorized by TEC in writing.

CONSULTING ENGINEERS & FULL-SERVICE PROFESSIONAL TESTING AND INSPECTION
OFFICES IN ANN ARBOR, DETROIT, AND TROY
FOUNDED IN 1966

APPENDIX A

Grosse Pointe Public School System
Summary of
Drinking Water Test Results
Sampling Dates: December 28-29, 2023

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Barnes	1	1P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.18
		1F	Rm 109 (Formerly 101)	F	<0.0010	0.026
	2	2P	1st Floor; Room 106 (Infant Room) (Formerly	1st	<0.0010	0.17
		2F	Room 104); Right Sink	F	<0.0010	0.063
	3	3P	Staff Lounge (Room 203 formerly Room 207);	1st	0.0081	0.084
		3F		F	<0.0010	0.010
	4	4P	2nd Floor, Drinking Fountain across from	1st	0.0022	0.22
		4F	Rm 201	F	<0.0010	0.062
Brownell	1	1P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.025
		1F	Boys Locker Rm	F	<0.0010	0.020
	2	2P	1st Floor; Room C5, Sink in Home Making	1st	0.0028	0.055
		2F	Room; Cold	F	<0.0010	0.013
	3	3P	1st Floor; Faculty Lounge Sink; Cold	1st	0.0019	0.047
		3F		F	<0.0010	0.016
	4	4P	2nd Floor; Bottle Filling Station across from	1st	<0.0010	0.028
		4F	Rm A59	F	<0.0010	0.020
Defer	1	1P	1st Floor; Drinking Fountain near Elevator	1st	<0.0010	0.055
		1F		F	<0.0010	0.028
	2	2P	2nd Floor; Food Prep Sink in Rm 206; Cold	1st	<0.0010	0.057
		2F		F	<0.0010	0.0042
	3	3P	3rd Floor; Drinking Fountain near Elevator	1st	<0.0010	0.063
		3F		F	<0.0010	0.036

Grosse Pointe Public School System
Summary of
Drinking Water Test Results
Sampling Dates: December 28-29, 2023

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Ferry	1	1P	1st Floor; Bottle Filling Station across fro	1st	<0.0010	0.081
		1F	Room 128	F	<0.0010	0.031
	2	2P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.050
		2F	Rm 102	F	<0.0010	0.041
	3	3P	2nd Floor; Drinking Fountain across from	1st	<0.0010	0.026
		3F	Rm 201	F	<0.0010	0.025
Kerby	1	1P	1st Floor; Bottle Filling Station outside Rm	1st	<0.0010	0.024
		1F	23	F	<0.0010	0.014
	2	2P	1st Floor; Faculty Lounge Sink; cold	1st	<0.0010	0.029
		2F		F	<0.0010	0.015
	3	3P	1st Floor; Drinking Fountain across from	1st	<0.0010	0.024
		3F	Room 19	F	<0.0010	0.017
Maire	1	1P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.035
		1F	Gymnasium	F	<0.0010	0.0093
	2	2P	1st Floor; Kitchen Sink; Cold	1st	<0.0010	0.019
		2F		F	<0.0010	0.0012
	3	3P	2nd Floor; Bottle Filling Station across from	1st	<0.0010	0.059
		3F	Rm 200	F	<0.0010	0.018
Mason	1	1P	1st Floor; Botle Filling Station outside	1st	<0.0010	0.097
		1F	Library	F	<0.0010	0.14
	2	2P	1st Floor; Kitchen; Kitchen Sink; Cold	1st	0.0015	0.012
		2F		F	<0.0010	0.0013
	3	3P	2nd Floor; Bottle Filling Station outside Rm	1st	<0.0010	0.11
		3F	203	F	<0.0010	0.066

Grosse Pointe Public School System
Summary of
Drinking Water Test Results
Sampling Dates: December 28-29, 2023

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Monteith	1	1P	1st Floor; Bottle Filling Station across from	1st	0.0018	0.073
		1F	Rm 101	F	<0.0010	0.027
	2	2P	2nd Floor; Bottle Filling Station outside Rm	1st	<0.0010	0.13
		2F	202	F	<0.0010	0.074
	3	3P	2nd Floor; Faculty Lounge; Sink; Cold	1st	<0.0010	0.025
		3F		F	<0.0010	0.0029
North HS	1	1P	1st Floor; Bottle Filling Station outside Rm	1st	<0.0010	0.036
		1F	A117	F	<0.0010	0.021
	2	2P	1st Floor; Board Room/Break Room Sink	1st	<0.0010	0.20
		2F	across from Rm 131	F	<0.0010	0.18
	3	3P	1st Floor; Bottle Filling Station outside Rm	1st	<0.0010	0.069
		3F	B102	F	<0.0010	0.027
	4	4P	1st Floor; Green Room; Sink; Cold	1st	<0.0010	0.042
		4F		F	<0.0010	0.024
	5	5P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.085
		5F	Rm C107	F	<0.0010	0.052
	6	6P	1st Floor; Bottle Filling Station outside	1st	<0.0010	0.072
		6F	Auditorium	F	<0.0010	0.037
	7	7P	2nd Floor; Drinking Fountain outside Rm	1st	<0.0010	0.23
		7F	B205	F	<0.0010	0.053
	8	8P	3rd Floor; Bottle Filling Station outside Rm	1st	0.0011	0.10
		8F	B310	F	<0.0010	0.073

Grosse Pointe Public School System
Summary of
Drinking Water Test Results
Sampling Dates: December 28-29, 2023

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Parcells	1	1P	1st Floor; Copy/Coffee Rm; Sink; Cold	1st	0.0013	0.0065
		1F		F	<0.0010	0.0019
	2	2P	1st Floor; Bottle Filling Station outside Room 110	1st	<0.0010	0.087
		2F		F	<0.0010	0.021
	3	3P	1st Floor; Bottle Filling Station outside Boy's Gym (Room 159)	1st	<0.0010	0.062
		3F		F	<0.0010	0.016
	4	4P	2nd Floor; Bottle Filling Station outside Rm 220	1st	<0.0010	0.16
		4F		F	<0.0010	0.042
Pierce	1	1P	1st Floor; Bottle Filling Station outside Gymnasium	1st	<0.0010	0.052
		1F		F	<0.0010	0.050
	2	2P	1st Floor; Staff Lounge; Sink; cold	1st	<0.0010	0.038
		2F		F	<0.0010	0.0024
	3	3P	2nd Floor; Bottle Filling Station across from Rm 201	1st	<0.0010	0.047
		3F		F	<0.0010	0.064
Richard	1	1P	1st Floor; Kitchen Area; Kitchen Sink; Cold	1st	<0.0010	0.050
		1F		F	<0.0010	0.025

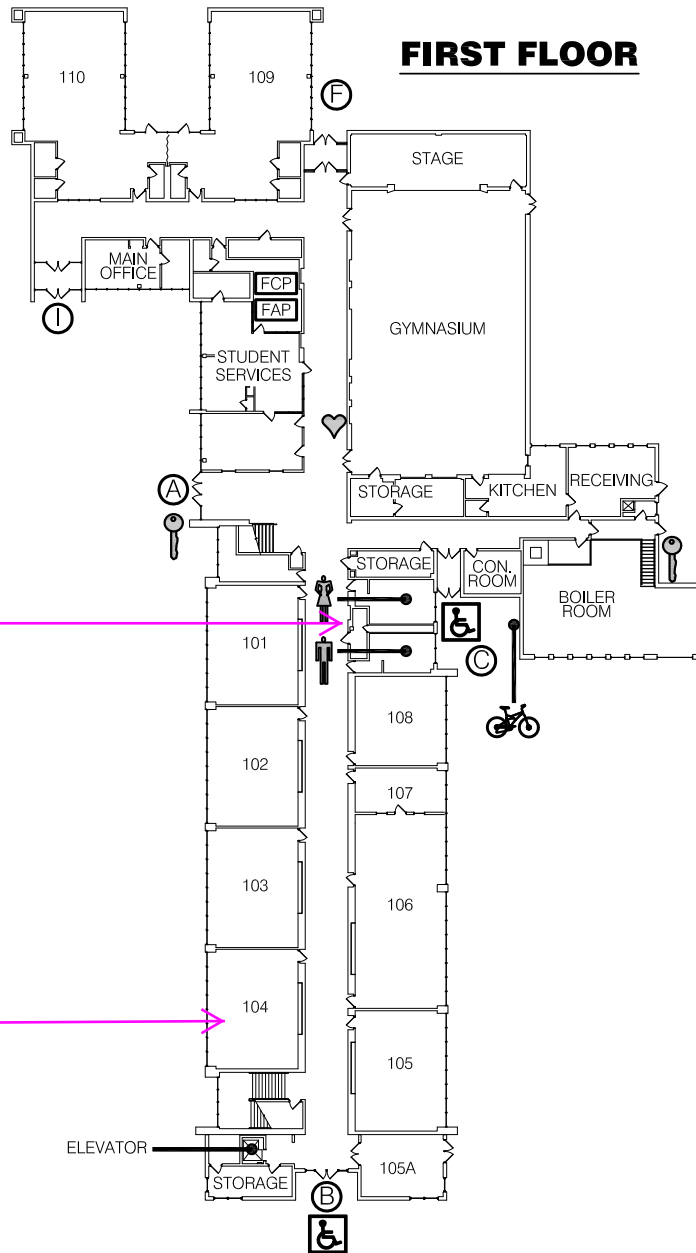
Grosse Pointe Public School System
Summary of
Drinking Water Test Results
Sampling Dates: December 28-29, 2023

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
South HS	1	1P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.045
		1F	Counseling Cntr (Rm 124)	F	<0.0010	0.036
	2	2P	1st Floor; Bottle Filling Station across from	1st	<0.0010	0.019
		2F	Room 148	F	<0.0010	0.046
	3	3P	1st Floor; Drinking Fountain adjacent to Rm	1st	<0.0010	0.036
		3F	166	F	<0.0010	0.022
	4	4P	1st Floor; Drinking Fountain outside Rm 119	1st	<0.0010	0.054
		4F		F	<0.0010	0.024
	5	5P	2nd Floor; Bottle Filling Station outside Rm	1st	<0.0010	0.062
		5F	229	F	<0.0010	0.024
	6	6P	2nd Floor; Cafeteria Area; West Food Prep	1st	<0.0010	0.033
		6F	Sink; Cold	F	<0.0010	0.016
	7	7P	2nd Floor; Faculty Lounge Sink in Room	1st	0.0020	0.076
		7F	275; Cold	F	<0.0010	0.013
	8	8P	2nd Floor; Bottle Filling Station across from	1st	<0.0010	0.031
		8F	Rm 248	F	<0.0010	0.012

APPENDIX B

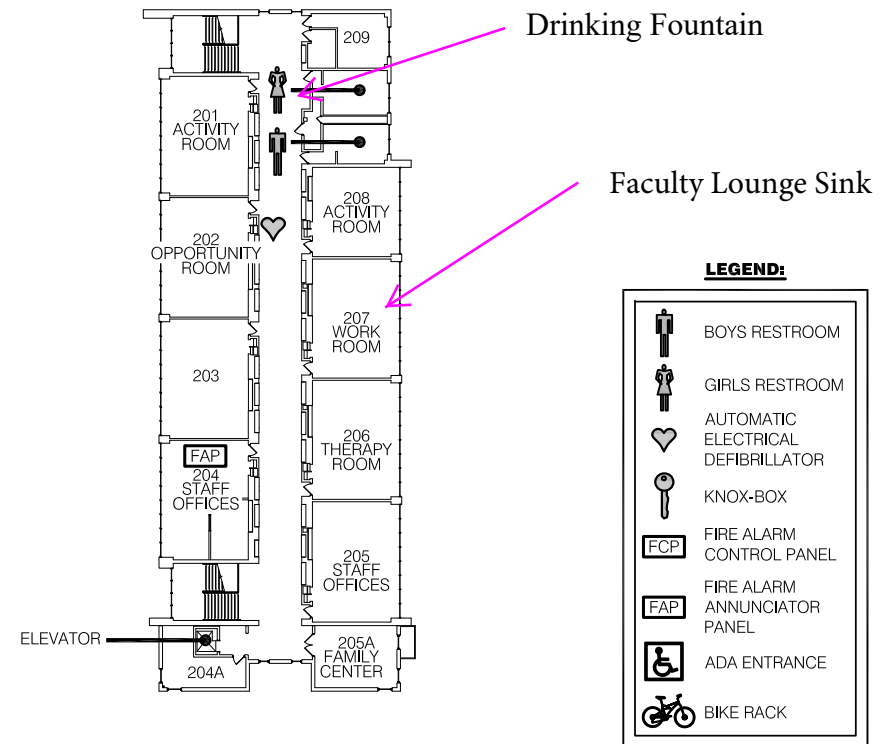
Table One
Drinking Water Test Results
Barnes Early Childhood Center
20090 Morningside Dr, Grosse Pointe Woods, MI 48236
Sampling Date: December 29, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Rm 101 (Formerly Room 101)	1P	1st Draw	Lead	<0.0010
				Copper	0.18
		1F	2 min. flush	Lead	<0.0010
				Copper	0.026
2	1st Floor; Room 104 (Infant Room) (Formerly Room 104); Right Sink	2P	1st Draw	Lead	<0.0010
				Copper	0.17
		2F	2 min. flush	Lead	<0.0010
				Copper	0.063
3	2nd Floor; Staff Lounge (Room 203, Formerly Room 207); Sink; Cold	3P	1st Draw	Lead	0.0081
				Copper	0.084
		3F	2 min. flush	Lead	<0.0010
				Copper	0.010
4	2nd Floor; Drinking Fountain across from Rm 201	4P	1st Draw	Lead	0.0022
				Copper	0.22
		4F	2 min. flush	Lead	<0.0010
				Copper	0.062
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L



2023 WATER SAMPLING LOCATIONS

SECOND FLOOR



LEGEND:

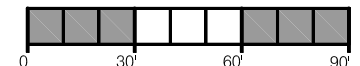
	BOYS RESTROOM
	GIRLS RESTROOM
	AUTOMATIC ELECTRICAL DEFIBRILLATOR
	KNOX-BOX
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	ADA ENTRANCE
	BIKE RACK

Barnes Early Childhood Center

20020 Morningside
Grosse Pointe Woods, MI 48236
313.432.3800

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390955
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909550001	Barnes - 1P	Grab	D	12/29/2023 10:44	12/29/2023 13:09	Jacob Pallach
3909550002	Barnes - 1F	Grab	D	12/29/2023 10:46	12/29/2023 13:09	Jacob Pallach
3909550003	Barnes - 2P	Grab	D	12/29/2023 10:49	12/29/2023 13:09	Jacob Pallach
3909550004	Barnes - 2F	Grab	D	12/29/2023 10:51	12/29/2023 13:09	Jacob Pallach
3909550005	Barnes - 3P	Grab	D	12/29/2023 10:54	12/29/2023 13:09	Jacob Pallach
3909550006	Barnes - 3F	Grab	D	12/29/2023 10:56	12/29/2023 13:09	Jacob Pallach
3909550007	Barnes - 4P	Grab	D	12/29/2023 10:57	12/29/2023 13:09	Jacob Pallach
3909550008	Barnes - 4F	Grab	D	12/29/2023 10:59	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909550001 - Barnes - 1P - Copper, Total

The concentration for this analyte was greater than 4X the MS/MSD spike concentration. No qualification is necessary for recovery failures.

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ANALYTICAL RESULTS

Lab ID: 3909550001
Sample ID: Barnes - 1P
Description: Grab

Date Collected: 12/29/2023 10:44
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.18	*	mg/L	0.0010		1		1.3	01/02/2024 14:51	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:51	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550002
Sample ID: Barnes - 1F
Description: Grab

Date Collected: 12/29/2023 10:46
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.026		mg/L	0.0010		1		1.3	01/02/2024 14:57	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:57	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550003
Sample ID: Barnes - 2P
Description: Grab

Date Collected: 12/29/2023 10:49
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.17		mg/L	0.0010		1		1.3	01/02/2024 14:58	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:58	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550004
Sample ID: Barnes - 2F
Description: Grab

Date Collected: 12/29/2023 10:51
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.063		mg/L	0.0010		1		1.3	01/02/2024 15:04	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:04	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550005
Sample ID: Barnes - 3P
Description: Grab

Date Collected: 12/29/2023 10:54
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.084		mg/L	0.0010		1		1.3	01/02/2024 15:06	LDP
Lead, Total	0.0081		mg/L	0.0010		1		0.015	01/02/2024 15:06	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550006

Sample ID: Barnes - 3F

Description: Grab

Date Collected: 12/29/2023 10:56

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.010		mg/L	0.0010		1		1.3	01/02/2024 15:08	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:08	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550007
Sample ID: Barnes - 4P
Description: Grab

Date Collected: 12/29/2023 10:57
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.22		mg/L	0.0010		1		1.3	01/02/2024 15:09	LDP
Lead, Total	0.0022		mg/L	0.0010		1		0.015	01/02/2024 15:09	LDP

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ANALYTICAL RESULTS

Lab ID: 3909550008
Sample ID: Barnes - 4F
Description: Grab

Date Collected: 12/29/2023 10:59
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.062		mg/L	0.0010		1		1.3	01/02/2024 15:11	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:11	LDP

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Client Name: Testing Engineers & Consultants, Inc.

Contact Person: Scott Chandler

Mailing Address: 1343 Rochester Rd.

City, State, Zip: Troy, MI, 48063

Phone and Fax: 248-755-1557

Email: Schandler@tectest.com

Client Job Name / No.: 63866-01

Job Location: _____

WSSN #: _____


PIN #: _____

Sampled By: Jacob Pullach

PO No.: 63866-01

Remarks:

USE EPA Method 200-8

390355
TEC
Testing Engineers & Consultants

ANALYSIS REQUESTED
Regulatory Requirements

RCRA ☐

NPDES ☐

Drinking Water ☒

Other: _____

Turnaround Requirements

1 Day (RUSH) ☐

2 Day (RUSH) ☐

3 Day (RUSH) ☐

5 Day (STANDARD) ☒

Other: _____

Matrix Key

DW = Drinking Water WW = Wastewater

W = Water D = Diesel BD = Biodiesel

G = Gasoline E8 = E85 O = Oil

SL = Sludge S = Soil X = Other

Item No.	Date Taken	Time Taken	Grab	Comp	Client Sample ID	Matrix	No. of containers
01	12-29-23	10:44	X		Barnes - 1P	DW	1
02		10:46	Y		Barnes - 1F	DW	1
03		10:49	X		Barnes - 2P	DW	1
04		10:51	X		Barnes - 2F	DW	1
05		10:54	X		Barnes - 3P	DW	1
06		10:56	X		Barnes - 3F	DW	1
07		10:57	X		Barnes - 4P	DW	1
08		10:59	X		Barnes - 4F	DW	1

Lead
Copper

**PARAGON
SAMPLE NO.**
340955-0001
AW2
AW3
AW4
AW5
AW6
AW7
AW8

Tran. #	Released By	Received By	Date	Time
1.	<u>JM</u>	<u>SPT-391</u>	<u>12.29.23</u>	<u>13:09</u>
2.				

Tran. #	Released By	Received By	Date	Time
3.				
4.				

Sample Receipt Acceptability Checklist

Sample Receiver				Initials: <u>SPT-391</u>	Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>	
Criteria - All Samples				Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If other paperwork provided, describe:
4.	Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If "No", explain:
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If "No", explain:
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			If "Yes", explain:
Additional Criteria - Environmental Samples*				Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If "No", explain:
9.	Are any water samples frozen?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If multiple samples in one cooler, take the temperatures of three samples to compute the aver (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			If "No", container identification(s):
13.	Sample(s) properly preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			Notes or additional pH readings: <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u> <u>390942 / 390943 / 390944 / 390945</u>
Account Coordinator				Initials: <u>ECP</u>	Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>	
				Yes	No		Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If "No", explain:
2.	Client contacted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Date: _____ Mode of communication: _____ Issue(s): _____
3.	All samples accepted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			If "No" (or "Yes" with resolution), explain:

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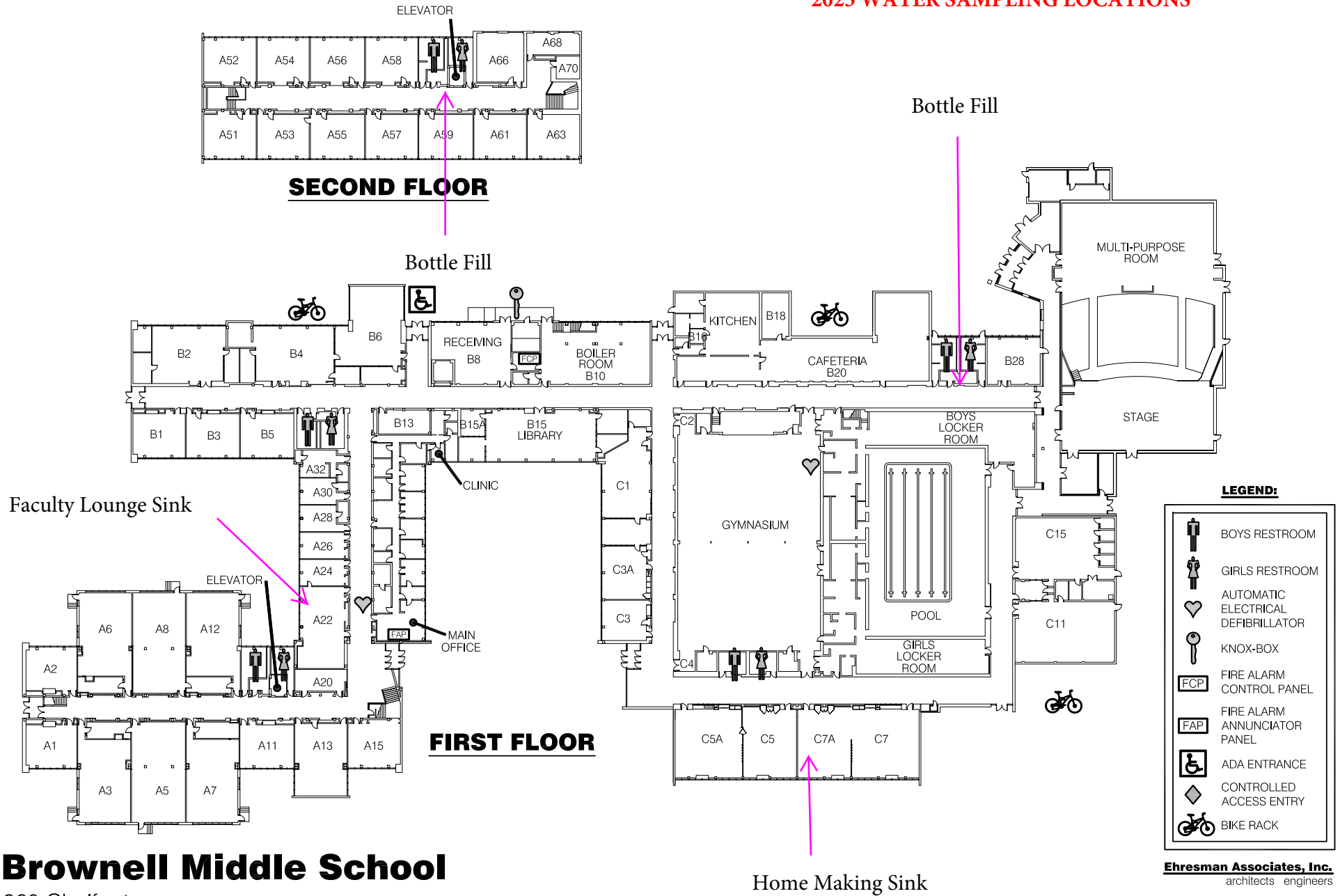
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Testing E

APPENDIX C

Table One
Drinking Water Test Results
Brownell Middle School
260 Chalfonte Ave, Grosse Pointe, MI 48236
Sampling Date: Decemeber 28, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Boys Locker Rm	1P	1st Draw	Lead	<0.0010
				Copper	0.025
		1F	2 min. flush	Lead	<0.0010
				Copper	0.020
2	1st Floor; Room C5, Sink in Home Making Room; Cold	2P	1st Draw	Lead	0.0028
				Copper	0.055
		2F	2 min. flush	Lead	<0.0010
				Copper	0.013
3	1st Floor; Faculty Lounge Sink; Cold	3P	1st Draw	Lead	0.0019
				Copper	0.047
		3F	2 min. flush	Lead	<0.0010
				Copper	0.016
4	2nd Floor; Bottle Filling Station across from Rm A59	4P	1st Draw	Lead	<0.0010
				Copper	0.028
		4F	2 min. flush	Lead	<0.0010
				Copper	0.020
			EPA Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

2023 WATER SAMPLING LOCATIONS



Brownell Middle School

260 Chalfonte
Grosse Pointe Farms MI 48236
313.432.3900



Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390946
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909460001	Brownell - 1P	Grab	D	12/28/2023 12:26	12/29/2023 13:09	Jacob Pallach
3909460002	Brownell - 1F	Grab	D	12/28/2023 12:28	12/29/2023 13:09	Jacob Pallach
3909460003	Brownell - 2P	Grab	D	12/28/2023 12:53	12/29/2023 13:09	Jacob Pallach
3909460004	Brownell - 2F	Grab	D	12/28/2023 12:55	12/29/2023 13:09	Jacob Pallach
3909460005	Brownell - 3P	Grab	D	12/28/2023 12:38	12/29/2023 13:09	Jacob Pallach
3909460006	Brownell - 3F	Grab	D	12/28/2023 12:40	12/29/2023 13:09	Jacob Pallach
3909460007	Brownell - 4P	Grab	D	12/28/2023 12:44	12/29/2023 13:09	Jacob Pallach
3909460008	Brownell - 4F	Grab	D	12/28/2023 12:46	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

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ANALYTICAL RESULTS

Lab ID: 3909460001
Sample ID: Brownell - 1P
Description: Grab

Date Collected: 12/28/2023 12:26
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.025		mg/L	0.0010		1		1.3	01/02/2024 12:44	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:44	LDP

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ANALYTICAL RESULTS

Lab ID: 3909460002
Sample ID: Brownell - 1F
Description: Grab

Date Collected: 12/28/2023 12:28
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.020		mg/L	0.0010		1		1.3	01/02/2024 12:46	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:46	LDP

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ANALYTICAL RESULTS

Lab ID: 3909460003
Sample ID: Brownell - 2P
Description: Grab

Date Collected: 12/28/2023 12:53
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.055		mg/L	0.0010		1		1.3	01/02/2024 12:48	LDP
Lead, Total	0.0028		mg/L	0.0010		1		0.015	01/02/2024 12:48	LDP

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ANALYTICAL RESULTS

Lab ID: 3909460004
Sample ID: Brownell - 2F
Description: Grab

Date Collected: 12/28/2023 12:55
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.013		mg/L	0.0010		1		1.3	01/02/2024 12:53	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:53	LDP

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ANALYTICAL RESULTS

Lab ID: 3909460005
Sample ID: Brownell - 3P
Description: Grab

Date Collected: 12/28/2023 12:38
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.047		mg/L	0.0010		1		1.3	01/02/2024 12:59	LDP
Lead, Total	0.0019		mg/L	0.0010		1		0.015	01/02/2024 12:59	LDP

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ANALYTICAL RESULTS

Lab ID: 3909460006
Sample ID: Brownell - 3F
Description: Grab

Date Collected: 12/28/2023 12:40
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.016		mg/L	0.0010		1		1.3	01/02/2024 13:04	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:04	LDP

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

ANALYTICAL RESULTS

Lab ID: 3909460007
Sample ID: Brownell - 4P
Description: Grab

Date Collected: 12/28/2023 12:44
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.028		mg/L	0.0010		1		1.3	01/02/2024 13:06	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:06	LDP

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ANALYTICAL RESULTS

Lab ID: 3909460008
Sample ID: Brownell - 4F
Description: Grab

Date Collected: 12/28/2023 12:46
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.020		mg/L	0.0010		1		1.3	01/02/2024 13:08	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:08	LDP

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Sample Receipt Acceptability Checklist

Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>			If other paperwork provided, describe:
4.	Sample containers intact?	<input checked="" type="checkbox"/>			If "No", explain:
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>			If "No", explain:
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		<input checked="" type="checkbox"/>		If "Yes", explain:
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>			If "No", explain:
9.	Are any water samples frozen?		<input checked="" type="checkbox"/>		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>		<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the aver (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			<input checked="" type="checkbox"/>	If "No", container identification(s):
13.	Sample(s) properly preserved?			<input checked="" type="checkbox"/>	
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			<input checked="" type="checkbox"/>	Notes or additional pH readings: <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u>
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>
		Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>		If "No", explain:	
2.	Client contacted?		<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____	
3.	All samples accepted?	<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:	

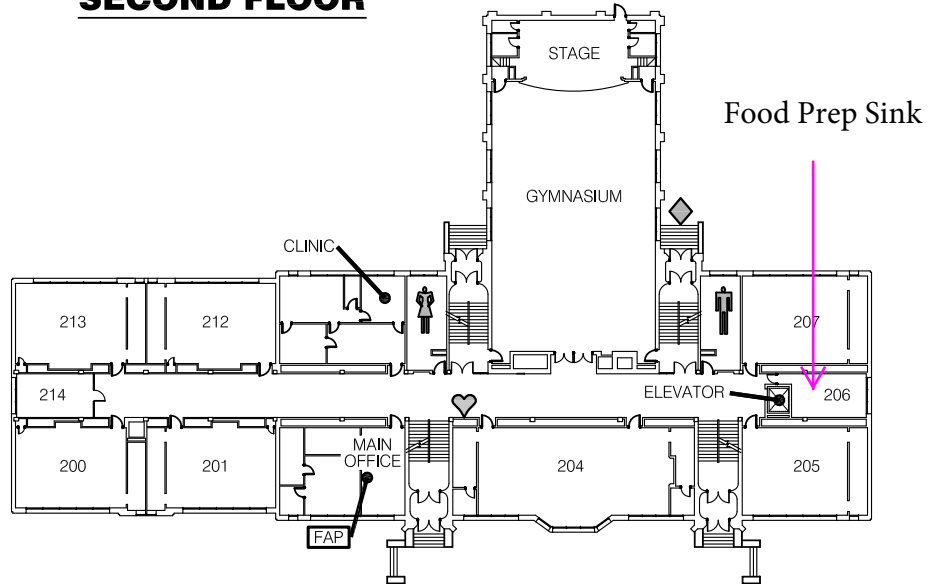
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APPENDIX D

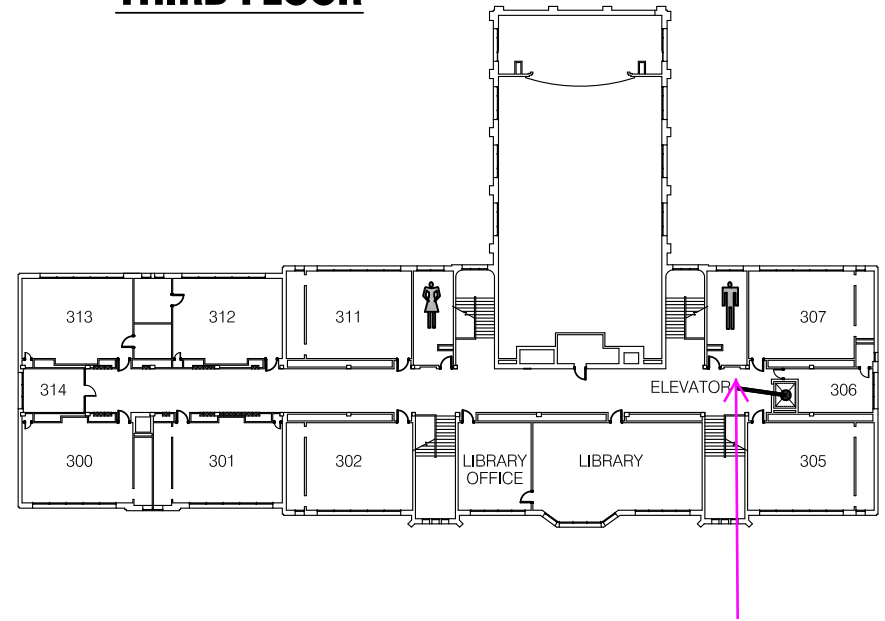
Table One
Drinking Water Test Results
Defer Elementary School
15425 Kercheval Ave Grosse Pointe, MI 48230
Sampling Date: December 28, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Drinking Fountain near Elevator	1P	1st Draw	Lead	<0.0010
				Copper	0.055
		1F	2 min. flush	Lead	<0.0010
				Copper	0.028
2	2nd Floor; Food Prep Sink in Rm 206; cold	2P	1st Draw	Lead	<0.0010
				Copper	0.057
		2F	2 min. flush	Lead	<0.0010
				Copper	0.0042
3	3rd Floor; Drinking Fountain near Elevator	3P	1st Draw	Lead	<0.0010
				Copper	0.063
		3F	2 min. flush	Lead	<0.0010
				Copper	0.036
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

SECOND FLOOR

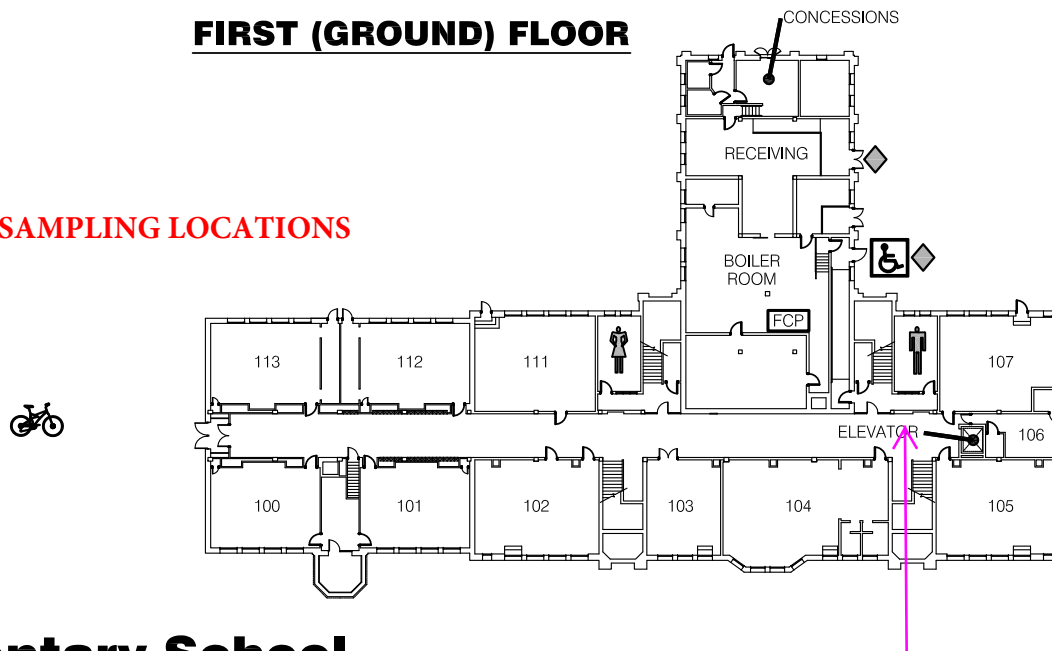


THIRD FLOOR

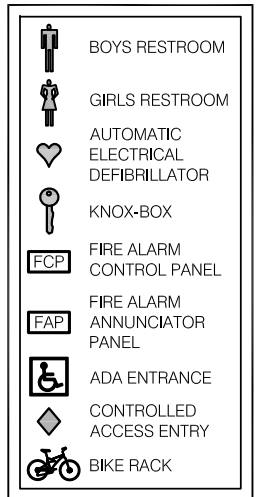


FIRST (GROUND) FLOOR

2023 WATER SAMPLING LOCATIONS



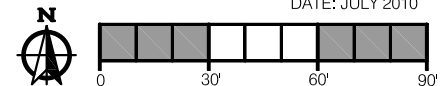
LEGEND:



Defer Elementary School

15425 Kercheval
Grosse Pointe Park, MI 48230
313.432.4000

Drinking Fountain



Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010



Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390943
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

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<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909430001	Defer - 1P	Grab	D	12/28/2023 09:18	12/29/2023 13:09	Jacob Pallach
3909430002	Defer - 1F	Grab	D	12/28/2023 09:20	12/29/2023 13:09	Jacob Pallach
3909430003	Defer - 2P	Grab	D	12/28/2023 09:23	12/29/2023 13:09	Jacob Pallach
3909430004	Defer - 2F	Grab	D	12/28/2023 09:25	12/29/2023 13:09	Jacob Pallach
3909430005	Defer - 3P	Grab	D	12/28/2023 09:26	12/29/2023 13:09	Jacob Pallach
3909430006	Defer - 3F	Grab	D	12/28/2023 09:28	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909430003 - Defer - 2P - Copper, Total

The MS and/or MSD recovery for this analyte was above the upper control limit.

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ANALYTICAL RESULTS

Lab ID: 3909430001	Date Collected: 12/28/2023 09:18	Matrix: Drinking Water, Potable (D)
Sample ID: Defer - 1P	Date Received: 12/29/2023 13:09	Collector: Jacob Pallach
Description: Grab		

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.055		mg/L	0.0010		1		1.3	01/02/2024 10:41	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:41	LDP

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ANALYTICAL RESULTS

Lab ID: 3909430002

Sample ID: Defer - 1F

Description: Grab

Date Collected: 12/28/2023 09:20

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.028		mg/L	0.0010		1		1.3	01/02/2024 10:43	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:43	LDP

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ANALYTICAL RESULTS

Lab ID: 3909430003
Sample ID: Defer - 2P
Description: Grab

Date Collected: 12/28/2023 09:23
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.057	*	mg/L	0.0010		1		1.3	01/02/2024 10:44	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:44	LDP

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ANALYTICAL RESULTS

Lab ID: 3909430004
Sample ID: Defer - 2F
Description: Grab

Date Collected: 12/28/2023 09:25
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0042		mg/L	0.0010		1		1.3	01/02/2024 10:50	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:50	LDP

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ANALYTICAL RESULTS

Lab ID: 3909430005
Sample ID: Defer - 3P
Description: Grab

Date Collected: 12/28/2023 09:26
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.063		mg/L	0.0010		1		1.3	01/02/2024 10:52	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:52	LDP

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ANALYTICAL RESULTS

Lab ID: 3909430006
Sample ID: Defer - 3F
Description: Grab

Date Collected: 12/28/2023 09:28
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.036		mg/L	0.0010		1		1.3	01/02/2024 10:53	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:53	LDP

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Sample Receipt Acceptability Checklist

Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>			If other paperwork provided, describe:
4.	Sample containers intact?	<input checked="" type="checkbox"/>			If "No", explain:
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>			If "No", explain:
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		<input checked="" type="checkbox"/>		If "Yes", explain:
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>			If "No", explain:
9.	Are any water samples frozen?		<input checked="" type="checkbox"/>		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>		<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the aver (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			<input checked="" type="checkbox"/>	If "No", container identification(s):
13.	Sample(s) properly preserved?			<input checked="" type="checkbox"/>	
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			<input checked="" type="checkbox"/>	Notes or additional pH readings: <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u>
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>
		Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>		If "No", explain:	
2.	Client contacted?		<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____	
3.	All samples accepted?	<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:	

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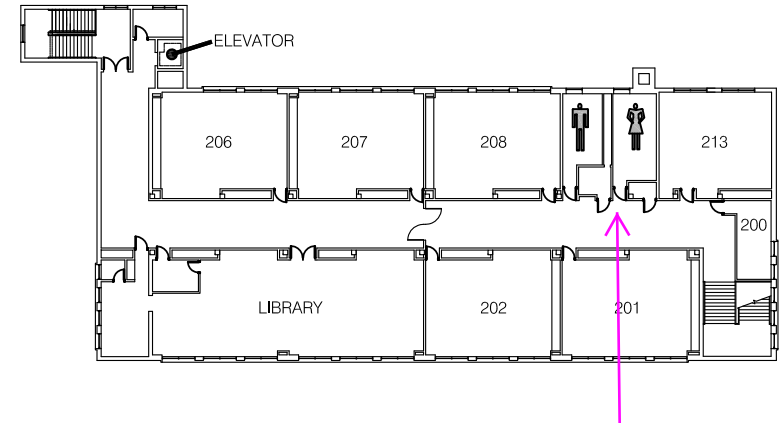
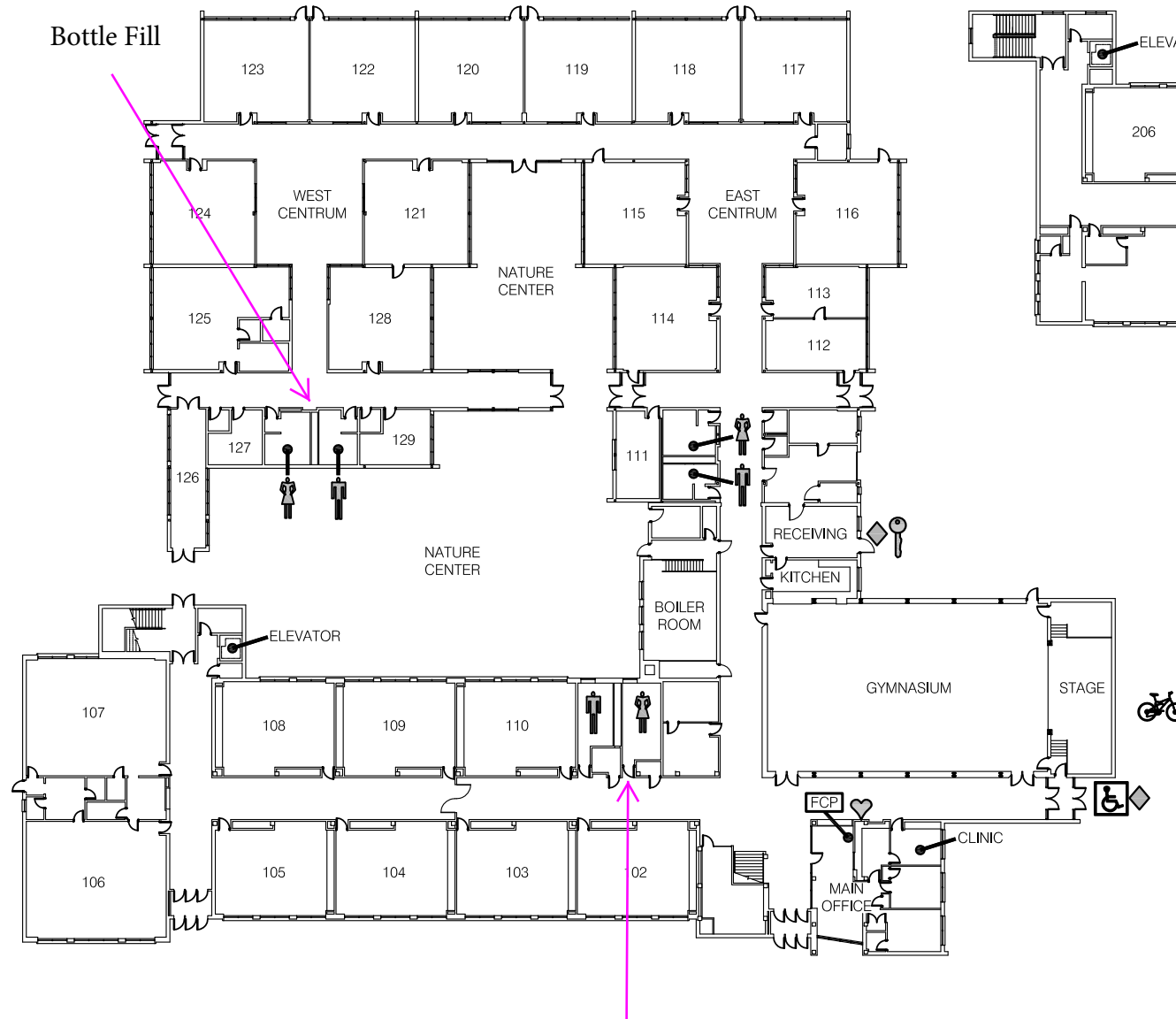
APPENDIX E

Table One
Drinking Water Test Results
Ferry Elementary School
748 Roslyn Rd, Grosse Pointe Woods, MI 48236
Sampling Date: December 29, 2023

Locations	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Room 128	1P	1st Draw	Lead	<0.0010
				Copper	0.081
		1F	2 min. flush	Lead	<0.0010
				Copper	0.031
2	1st Floor; Bottle Filling Station across from Rm 102	2P	1st Draw	Lead	<0.0010
				Copper	0.050
		2F	2 min. flush	Lead	<0.0010
				Copper	0.041
3	2nd Floor; Drinking Fountain across from Rm 201	3P	1st Draw	Lead	<0.0010
				Copper	0.026
		3F	2 min. flush	Lead	<0.0010
				Copper	0.025
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

FIRST FLOOR

SECOND FLOOR



Drinking Fountain

LEGEND:

	BOYS RESTROOM
	GIRLS RESTROOM
	AUTOMATIC ELECTRICAL DEFIBRILLATOR
	KNOX-BOX
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	ADA ENTRANCE
	CONTROLLED ACCESS ENTRY
	BIKE RACK

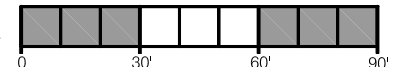
Ferry Elementary School Bottle Fill

748 Roslyn
Grosse Pointe Woods, MI 48236
313.432.4100

2023 WATER SAMPLING LOCATIONS

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390952
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909520001	Ferry - 1P	Grab	D	12/29/2023 09:32	12/29/2023 13:09	Jacob Pallach
3909520002	Ferry - 1F	Grab	D	12/29/2023 09:34	12/29/2023 13:09	Jacob Pallach
3909520003	Ferry - 2P	Grab	D	12/29/2023 09:37	12/29/2023 13:09	Jacob Pallach
3909520004	Ferry - 2F	Grab	D	12/29/2023 09:39	12/29/2023 13:09	Jacob Pallach
3909520005	Ferry - 3P	Grab	D	12/29/2023 09:41	12/29/2023 13:09	Jacob Pallach
3909520006	Ferry - 3F	Grab	D	12/29/2023 09:43	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909520003 - Ferry - 2P - Copper, Total

The MS and/or MSD recovery for this analyte was above the upper control limit.

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ANALYTICAL RESULTS

Lab ID: 3909520001
Sample ID: Ferry - 1P
Description: Grab

Date Collected: 12/29/2023 09:32
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.081		mg/L	0.0010		1		1.3	01/02/2024 13:46	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:46	LDP

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ANALYTICAL RESULTS

Lab ID: 3909520002
Sample ID: Ferry - 1F
Description: Grab

Date Collected: 12/29/2023 09:34
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.031		mg/L	0.0010		1		1.3	01/02/2024 13:47	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:47	LDP

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ANALYTICAL RESULTS

Lab ID: 3909520003
Sample ID: Ferry - 2P
Description: Grab

Date Collected: 12/29/2023 09:37
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.050	*	mg/L	0.0010		1		1.3	01/02/2024 13:53	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:53	LDP

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ANALYTICAL RESULTS

Lab ID: 3909520004
Sample ID: Ferry - 2F
Description: Grab

Date Collected: 12/29/2023 09:39
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.041		mg/L	0.0010		1		1.3	01/02/2024 14:02	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:02	LDP

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ANALYTICAL RESULTS

Lab ID: 3909520005
Sample ID: Ferry - 3P
Description: Grab

Date Collected: 12/29/2023 09:41
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.026		mg/L	0.0010		1		1.3	01/02/2024 14:04	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:04	LDP

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ANALYTICAL RESULTS

Lab ID: 3909520006

Sample ID: Ferry - 3F

Description: Grab

Date Collected: 12/29/2023 09:43

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.025		mg/L	0.0010		1		1.3	01/02/2024 14:06	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:06	LDP

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Sample Receipt Acceptability Checklist

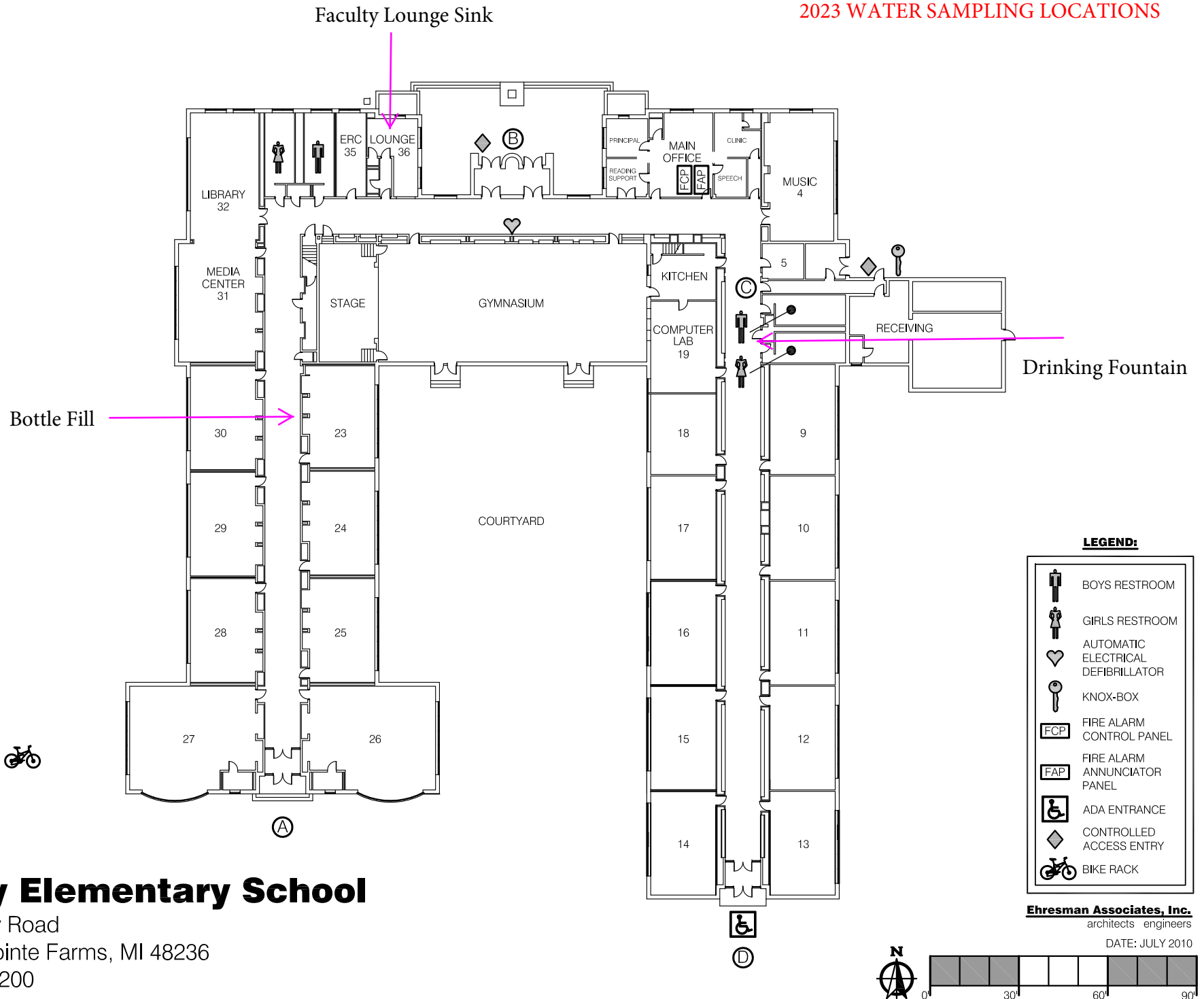
Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>			If other paperwork provided, describe:
4.	Sample containers intact?	<input checked="" type="checkbox"/>			If "No", explain:
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>			If "No", explain:
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		<input checked="" type="checkbox"/>		If "Yes", explain:
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>			If "No", explain:
9.	Are any water samples frozen?		<input checked="" type="checkbox"/>		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>		<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the average (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			<input checked="" type="checkbox"/>	If "No", container identification(s):
13.	Sample(s) properly preserved?			<input checked="" type="checkbox"/>	
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			<input checked="" type="checkbox"/>	Notes or additional pH readings: <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u> <u>390942 / 390943 / 390944 / 390945</u>
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>
		Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>		If "No", explain:	
2.	Client contacted?		<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____	
3.	All samples accepted?	<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:	

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APPENDIX F

Table One
Drinking Water Test Results
Kerby Elementary School
285 Kerby Rd, Grosse Pointe, MI 48236
Sampling Date: December 28, 2023

<u>Location</u>	<u>Description</u>	<u>Cust.Sample ID</u>	<u>Type</u>	<u>Cmp</u>	<u>Result</u>
1	1st Floor; Bottle Filling Station outside Rm 23	1P	1st Draw	Lead	<0.0010
				Copper	0.024
		1F	2 min. flush	Lead	<0.0010
				Copper	0.014
2	1st Floor; Faculty Lounge Sink; Cold	2P	1st Draw	Lead	<0.0010
				Copper	0.029
		2F	2 min. flush	Lead	<0.0010
				Copper	0.015
3	1st Floor; Drinking Fountain across from Room 19	3P	1st Draw	Lead	<0.0010
				Copper	0.024
		3F	2 min. flush	Lead	<0.0010
				Copper	0.017
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L



Kerby Elementary School

285 Kerby Road
Grosse Pointe Farms, MI 48236
313.432.4200



Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390947
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909470001	Kerby - 1P	Grab	D	12/28/2023 13:15	12/29/2023 13:09	Jacob Pallach
3909470002	Kerby - 1F	Grab	D	12/28/2023 13:17	12/29/2023 13:09	Jacob Pallach
3909470003	Kerby - 2P	Grab	D	12/28/2023 13:11	12/29/2023 13:09	Jacob Pallach
3909470004	Kerby - 2F	Grab	D	12/28/2023 13:13	12/29/2023 13:09	Jacob Pallach
3909470005	Kerby - 3P	Grab	D	12/28/2023 13:07	12/29/2023 13:09	Jacob Pallach
3909470006	Kerby - 3F	Grab	D	12/28/2023 13:09	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

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ANALYTICAL RESULTS

Lab ID: 3909470001
Sample ID: Kerby - 1P
Description: Grab

Date Collected: 12/28/2023 13:15
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.024		mg/L	0.0010		1		1.3	01/02/2024 13:09	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:09	LDP

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ANALYTICAL RESULTS

Lab ID: 3909470002
Sample ID: Kerby - 1F
Description: Grab

Date Collected: 12/28/2023 13:17
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.014		mg/L	0.0010		1		1.3	01/02/2024 13:15	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:15	LDP

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ANALYTICAL RESULTS

Lab ID: 3909470003
Sample ID: Kerby - 2P
Description: Grab

Date Collected: 12/28/2023 13:11
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.029		mg/L	0.0010		1		1.3	01/02/2024 13:17	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:17	LDP

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

ANALYTICAL RESULTS

Lab ID: 3909470004
Sample ID: Kerby - 2F
Description: Grab

Date Collected: 12/28/2023 13:13
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.015		mg/L	0.0010		1		1.3	01/02/2024 13:18	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:18	LDP

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ANALYTICAL RESULTS

Lab ID: 3909470005
Sample ID: Kerby - 3P
Description: Grab

Date Collected: 12/28/2023 13:07
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.024		mg/L	0.0010		1		1.3	01/02/2024 13:20	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:20	LDP

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

ANALYTICAL RESULTS

Lab ID: 3909470006
Sample ID: Kerby - 3F
Description: Grab

Date Collected: 12/28/2023 13:09
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.017		mg/L	0.0010		1		1.3	01/02/2024 13:22	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:22	LDP

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Sample Receipt Acceptability Checklist

Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>		Client: <u>Testing Engineers</u>	
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments		
1.	Delivery method? (circle one)				Courier: _____	<u>Client drop-off</u>	Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>			Cooling method (circle one):	Natural ice Blue ice <u>Ambient</u>	n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>			If other paperwork provided, describe:		
4.	Sample containers intact?	<input checked="" type="checkbox"/>			If "No", explain:		
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>			If "No", explain:		
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>			If "No", explain:		
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		<input checked="" type="checkbox"/>		If "Yes", explain:		
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments		
8.	Samples within holding time?	<input checked="" type="checkbox"/>			If "No", explain:		
9.	Are any water samples frozen?		<input checked="" type="checkbox"/>		If "Yes", explain:		
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>		<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the average (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>		
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>					
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			<input checked="" type="checkbox"/>	If "No", container identification(s):		
13.	Sample(s) properly preserved?			<input checked="" type="checkbox"/>			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			<input checked="" type="checkbox"/>	Notes or additional pH readings: <div style="text-align: right; font-size: 1.2em; font-family: cursive;">390954 / 390955 / 390956 / 390957 390946 / 390947 / 390949 / 390951 / 390952</div>		
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>		Workorder: <u>390942 / 390943 / 390944 / 390945</u>	
		Yes	No	Additional Info / Comments			
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>		If "No", explain:			
2.	Client contacted?		<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____			
3.	All samples accepted?	<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:			

390942
TEC
Testing Engineers

390943
TEC
Testing Engineers

390944
TEC
Testing Engineers

390945
TEC
Testing Engineers

390946
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Testing Engineers

390947
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390948
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Testing Engineers

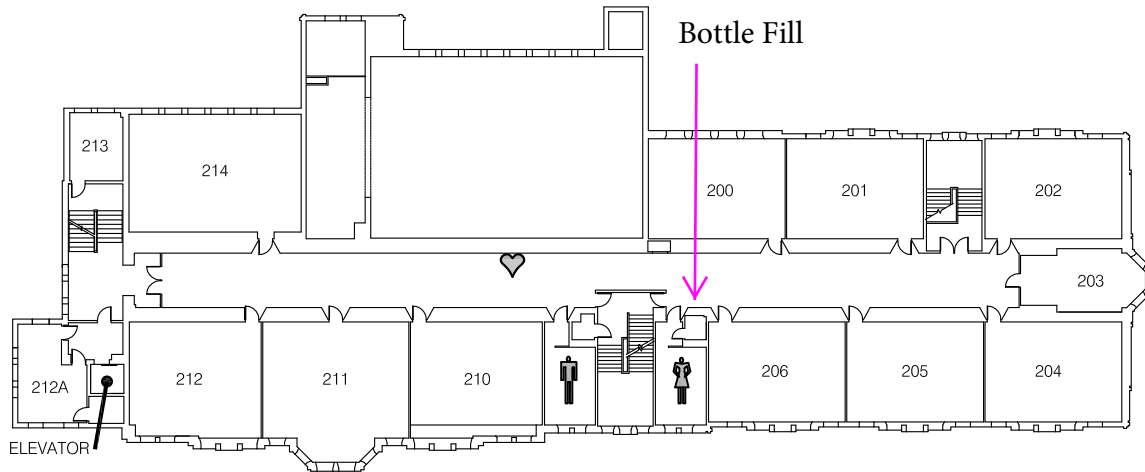
390957
TEC
Testing Engineers

APPENDIX G

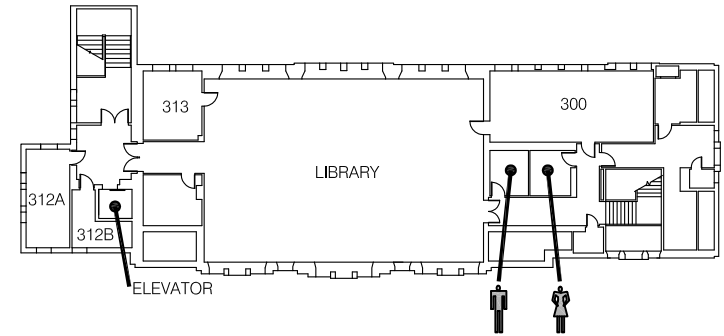
Table One
Drinking Water Test Results
Maire Elementary School
740 Cadieux Rd, Grosse Pointe, MI 48230
Sampling Date: December 28, 2023

Location	Description	Cust.Sample ID	Type	Cmp	Result
1	1st Floor; Bottle Filling Station across from Gymnasium	1P	1st Draw	Lead	<0.0010
				Copper	0.035
		1F	2 min. flush	Lead	<0.0010
				Copper	0.0093
2	1st Floor; Kitchen Sink; cold	2P	1st Draw	Lead	<0.0010
				Copper	0.019
		2F	2 min. flush	Lead	<0.0010
				Copper	0.0012
3	2nd Floor; Bottle Filling Station across from Rm 200.	3P	1st Draw	Lead	<0.0010
				Copper	0.059
		3F	2 min. flush	Lead	<0.0010
				Copper	0.018
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

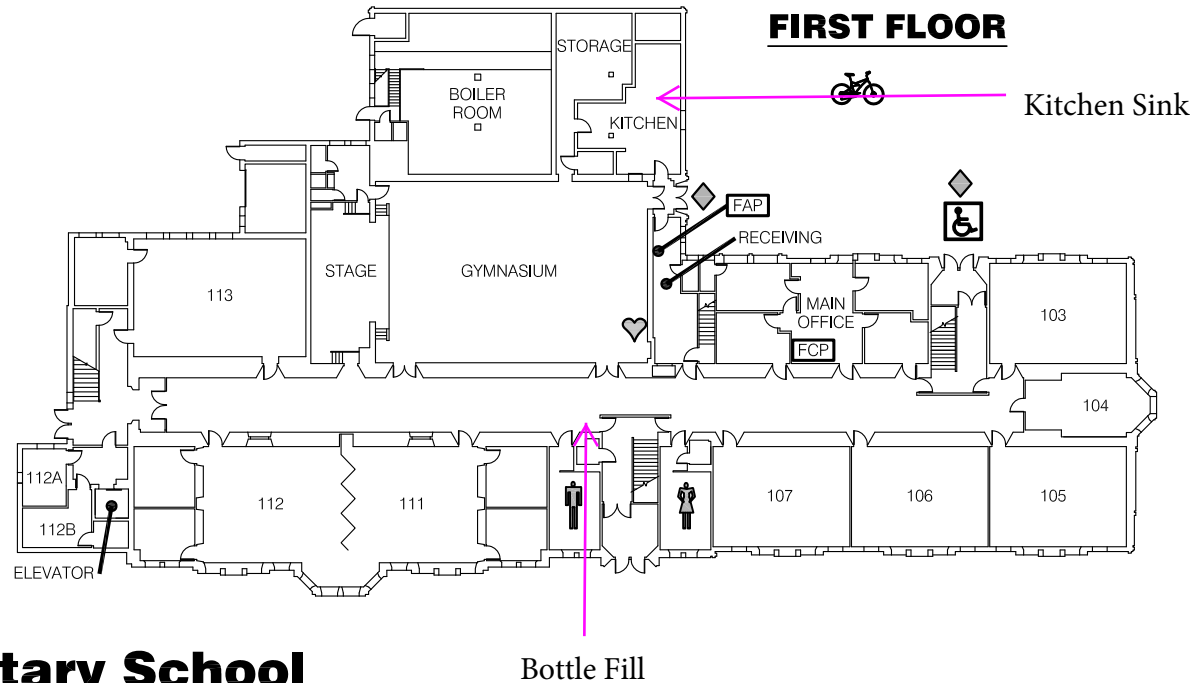
SECOND FLOOR



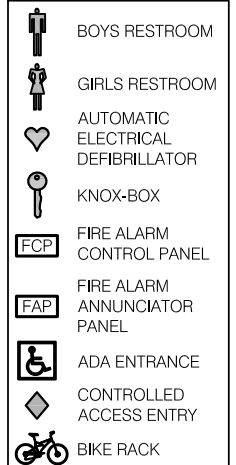
THIRD FLOOR



FIRST FLOOR



LEGEND:



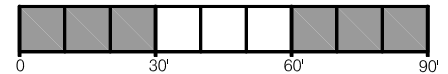
Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

Maire Elementary School

740 Cadieux
Grosse Pointe, MI 48230
313.432.4300

2023 WATER SAMPLING LOCATIONS





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390944
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

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Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

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ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
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MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
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Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909440001	Maire - 1P	Grab	D	12/28/2023 09:51	12/29/2023 13:09	Jacob Pallach
3909440002	Maire - 1F	Grab	D	12/28/2023 09:53	12/29/2023 13:09	Jacob Pallach
3909440003	Maire - 2P	Grab	D	12/28/2023 09:57	12/29/2023 13:09	Jacob Pallach
3909440004	Maire - 2F	Grab	D	12/28/2023 09:59	12/29/2023 13:09	Jacob Pallach
3909440005	Maire - 3P	Grab	D	12/28/2023 10:00	12/29/2023 13:09	Jacob Pallach
3909440006	Maire - 3F	Grab	D	12/28/2023 10:02	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

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

ANALYTICAL RESULTS

Lab ID: 3909440001
Sample ID: Maire - 1P
Description: Grab

Date Collected: 12/28/2023 09:51
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.035		mg/L	0.0010		1		1.3	01/02/2024 10:59	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:59	LDP

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ANALYTICAL RESULTS

Lab ID: 3909440002

Sample ID: Maire - 1F

Description: Grab

Date Collected: 12/28/2023 09:53

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0093		mg/L	0.0010		1		1.3	01/02/2024 11:01	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:01	LDP

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ANALYTICAL RESULTS

Lab ID: 3909440003
Sample ID: Maire - 2P
Description: Grab

Date Collected: 12/28/2023 09:57
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.019		mg/L	0.0010		1		1.3	01/02/2024 11:03	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:03	LDP

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ANALYTICAL RESULTS

Lab ID: 3909440004
Sample ID: Maire - 2F
Description: Grab

Date Collected: 12/28/2023 09:59
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0012		mg/L	0.0010		1		1.3	01/02/2024 11:04	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:04	LDP

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ANALYTICAL RESULTS

Lab ID: 3909440005

Sample ID: Maire - 3P

Description: Grab

Date Collected: 12/28/2023 10:00

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.059		mg/L	0.0010		1		1.3	01/02/2024 11:06	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:06	LDP

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ANALYTICAL RESULTS

Lab ID: 3909440006

Sample ID: Maire - 3F

Description: Grab

Date Collected: 12/28/2023 10:02

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.018		mg/L	0.0010		1		1.3	01/02/2024 11:08	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:08	LDP

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FORM-S0022C, Revision 1, Effective Date 04/01/22, Page 1 of 1
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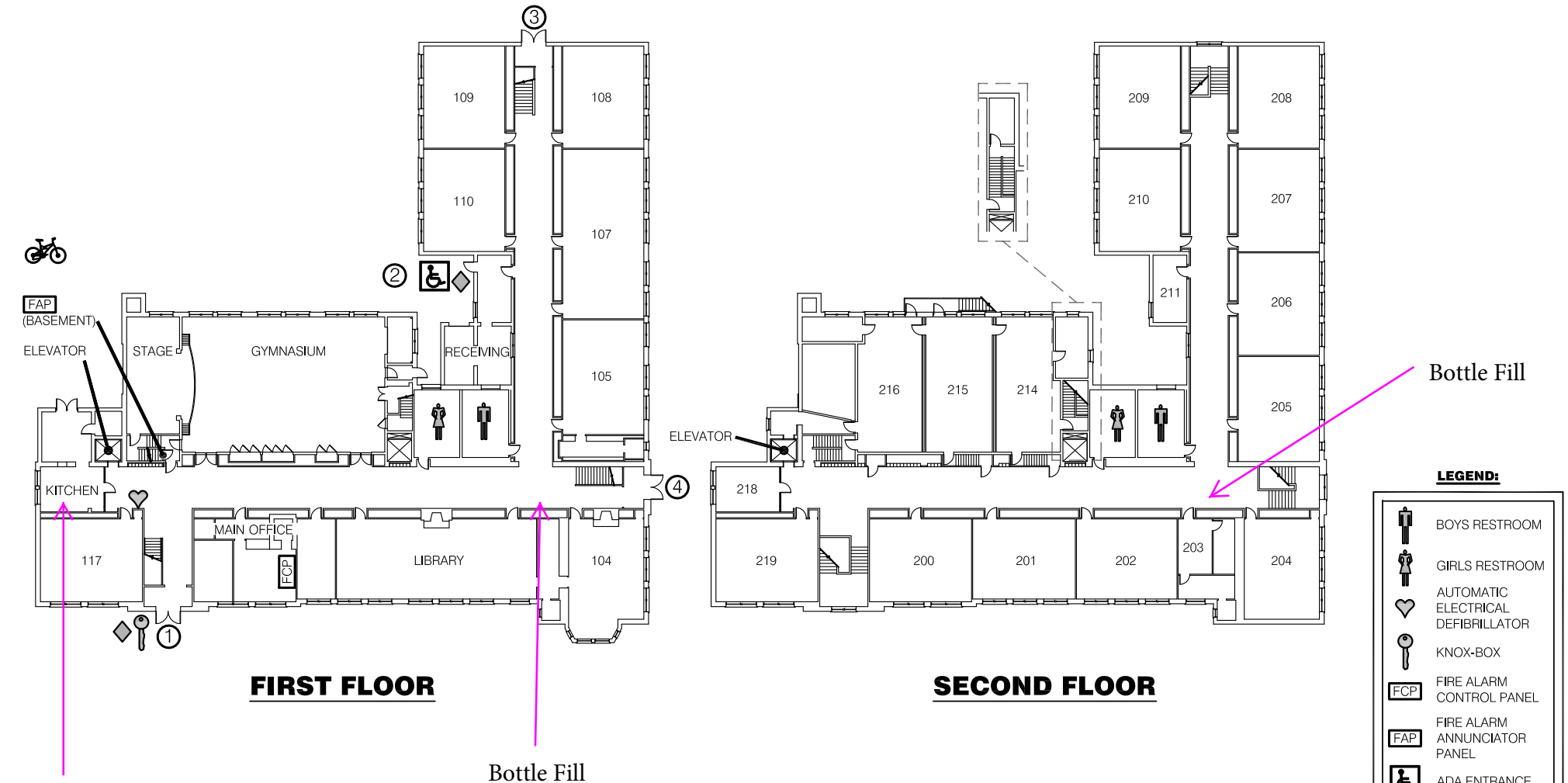
*Refer to REF-N0008A

APPENDIX H

Table One
Drinking Water Test Results
Mason Elementary School
1640 Vernier Rd, Grosse Pointe, MI 48236
Sampling Date: December 28, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station outside Library	1P	1st Draw	Lead	<0.0010
				Copper	0.097
		1F	2 min. flush	Lead	<0.0010
				Copper	0.14
2	1st Floor; Kitchen; Kitchen Sink; cold	2P	1st Draw	Lead	0.0015
				Copper	0.012
		2F	2 min. flush	Lead	<0.0010
				Copper	0.0013
3	2nd Floor; Bottle Filling Station outside Rm 203	3P	1st Draw	Lead	<0.0010
				Copper	0.11
		3F	2 min. flush	Lead	<0.0010
				Copper	0.066
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

2023 WATER SAMPLING LOCATIONS

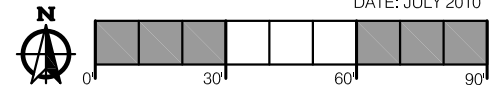


Mason Elementary School

1640 Vernier Road
Grosse Pointe Woods, MI 48236
313.432.4400

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390949
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

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Sincerely,

Elizabeth Pangborn
Senior Project Manager

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<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909490001	Mason - 1P	Grab	D	12/29/2023 09:11	12/29/2023 13:09	Jacob Pallach
3909490002	Mason - 1F	Grab	D	12/29/2023 09:13	12/29/2023 13:09	Jacob Pallach
3909490003	Mason - 2P	Grab	D	12/29/2023 09:14	12/29/2023 13:09	Jacob Pallach
3909490004	Mason - 2F	Grab	D	12/29/2023 09:16	12/29/2023 13:09	Jacob Pallach
3909490005	Mason - 3P	Grab	D	12/29/2023 09:18	12/29/2023 13:09	Jacob Pallach
3909490006	Mason - 3F	Grab	D	12/29/2023 09:20	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909490001 - Mason - 1P - Copper, Total

The MS and/or MSD recovery for this analyte was above the upper control limit.

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ANALYTICAL RESULTS

Lab ID: 3909490001
Sample ID: Mason - 1P
Description: Grab

Date Collected: 12/29/2023 09:11
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.097	*	mg/L	0.0010		1		1.3	01/02/2024 13:24	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:24	LDP

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ANALYTICAL RESULTS

Lab ID: 3909490002
Sample ID: Mason - 1F
Description: Grab

Date Collected: 12/29/2023 09:13
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.14		mg/L	0.0010		1		1.3	01/02/2024 13:29	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:29	LDP

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ANALYTICAL RESULTS

Lab ID: 3909490003
Sample ID: Mason - 2P
Description: Grab

Date Collected: 12/29/2023 09:14
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.012		mg/L	0.0010		1		1.3	01/02/2024 13:31	LDP
Lead, Total	0.0015		mg/L	0.0010		1		0.015	01/02/2024 13:31	LDP

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ANALYTICAL RESULTS

Lab ID: 3909490004
Sample ID: Mason - 2F
Description: Grab

Date Collected: 12/29/2023 09:16
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0013		mg/L	0.0010		1		1.3	01/02/2024 13:37	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:37	LDP

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ANALYTICAL RESULTS

Lab ID: 3909490005
Sample ID: Mason - 3P
Description: Grab

Date Collected: 12/29/2023 09:18
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.11		mg/L	0.0010		1		1.3	01/02/2024 13:38	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:38	LDP

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ANALYTICAL RESULTS

Lab ID: 3909490006

Sample ID: Mason - 3F

Description: Grab

Date Collected: 12/29/2023 09:20

Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)

Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.066		mg/L	0.0010		1		1.3	01/02/2024 13:40	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:40	LDP

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Sample Receipt Acceptability Checklist

Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>			If other paperwork provided, describe:
4.	Sample containers intact?	<input checked="" type="checkbox"/>			If "No", explain:
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>			If "No", explain:
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		<input checked="" type="checkbox"/>		If "Yes", explain:
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>			If "No", explain:
9.	Are any water samples frozen?		<input checked="" type="checkbox"/>		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>		<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the average (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			<input checked="" type="checkbox"/>	If "No", container identification(s):
13.	Sample(s) properly preserved?			<input checked="" type="checkbox"/>	
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			<input checked="" type="checkbox"/>	Notes or additional pH readings:
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>	Workorder: <u>390942/390943/390944/390945</u>
		Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>		If "No", explain:	
2.	Client contacted?		<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____	
3.	All samples accepted?	<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:	

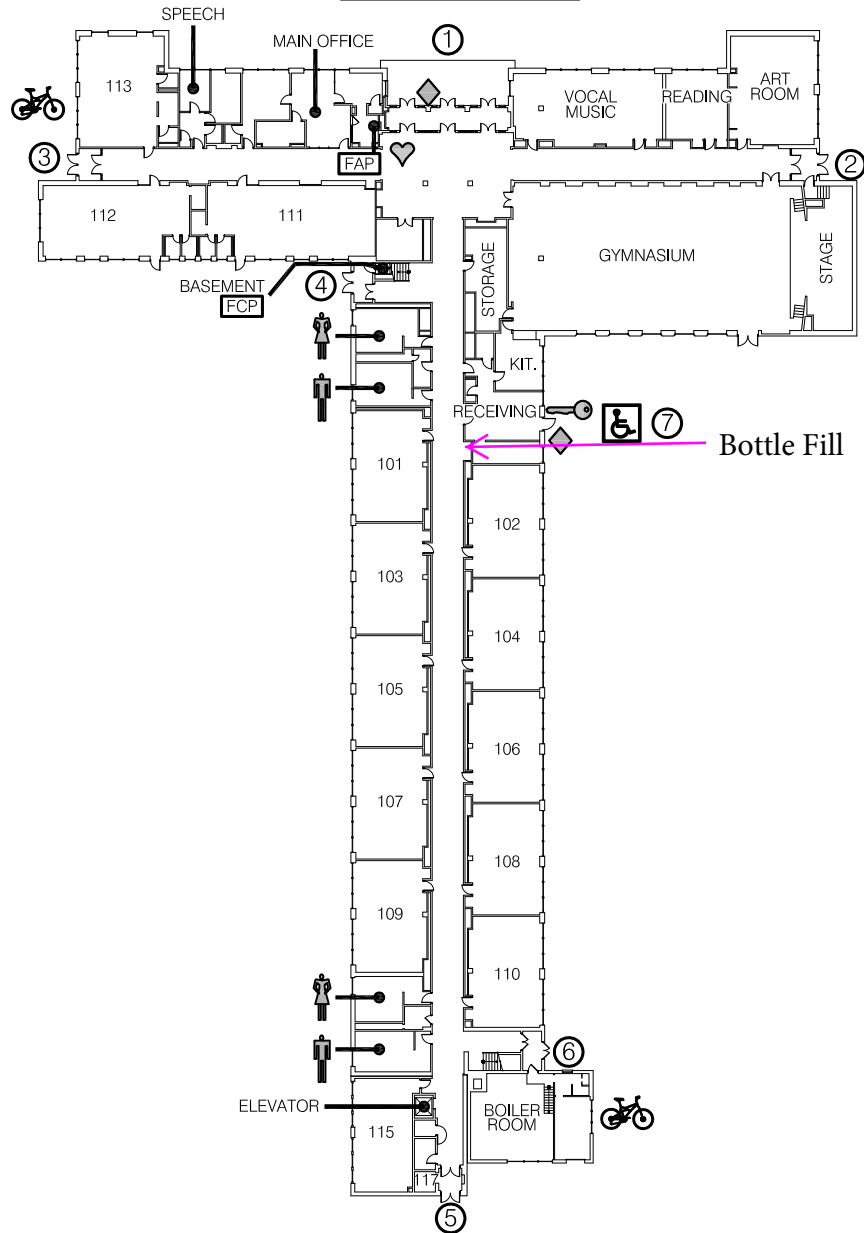
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APPENDIX I

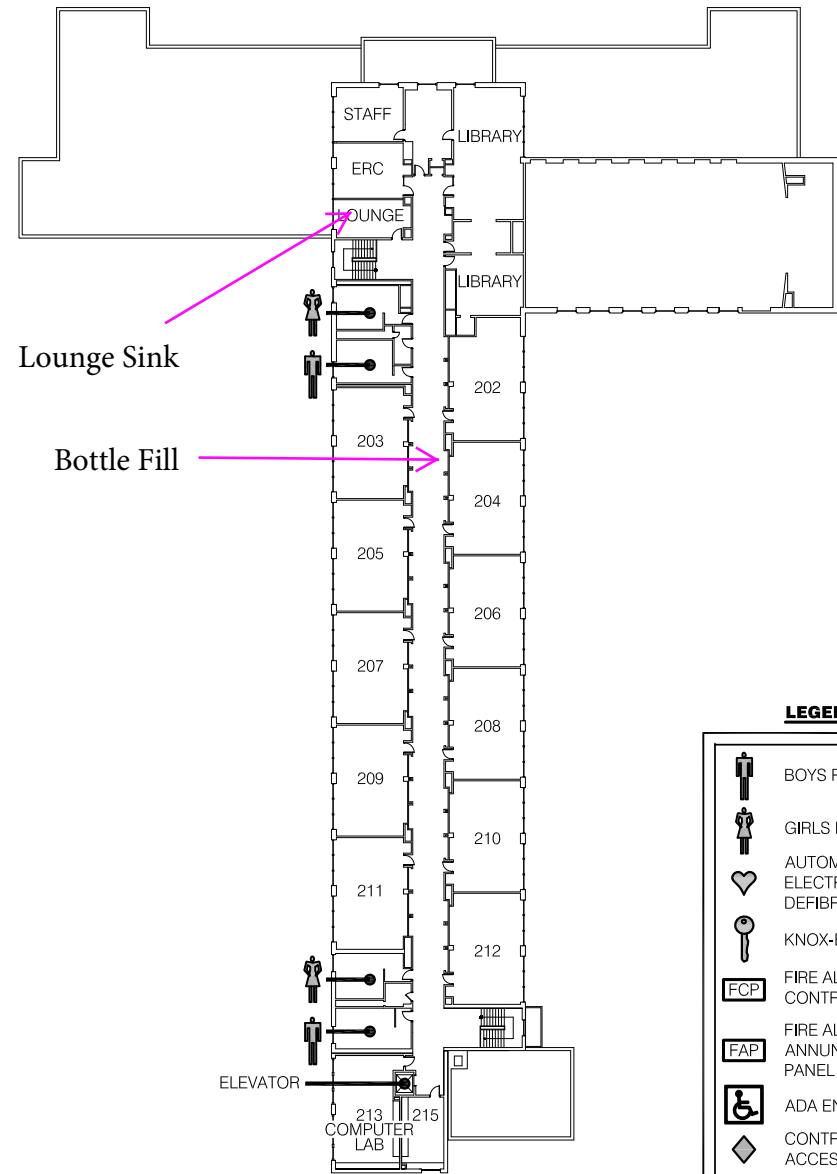
Table One
Drinking Water Test Results
Monteith Elementary School
1275 Cook Rd, Grosse Pointe Woods, MI 48236
Sampling Date: December 29, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Rm 101	1P	1st draw	Lead	0.0018
				Copper	0.073
		1F	2 min. flush	Lead	<0.0010
				Copper	0.027
2	2nd Floor; Bottle Filling Station outside Rm 202	2P	1st draw	Lead	<0.0010
				Copper	0.13
		2F	2 min. flush	Lead	<0.0010
				Copper	0.074
3	2nd Floor; Faculty Lounge; Sink; cold	3P	1st draw	Lead	<0.0010
				Copper	0.025
		3F	2 min. flush	Lead	<0.0010
				Copper	0.0029
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

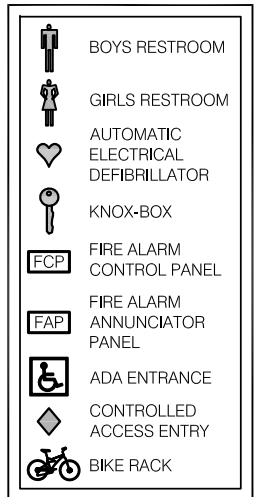
FIRST FLOOR



SECOND FLOOR



LEGEND:



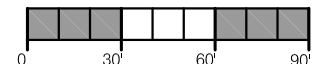
Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

Monteith Elementary School

1275 Cook Road
Grosse Pointe Woods, MI 48236
313.432.4500

2023 WATER SAMPLING LOCATIONS





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390957
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909570001	Monteith - 1P	Grab	D	12/29/2023 12:08	12/29/2023 13:09	Jacob Pallach
3909570002	Monteith - 1F	Grab	D	12/29/2023 12:10	12/29/2023 13:09	Jacob Pallach
3909570003	Monteith - 2P	Grab	D	12/29/2023 12:12	12/29/2023 13:09	Jacob Pallach
3909570004	Monteith - 2F	Grab	D	12/29/2023 12:14	12/29/2023 13:09	Jacob Pallach
3909570005	Monteith - 3P	Grab	D	12/29/2023 12:17	12/29/2023 13:09	Jacob Pallach
3909570006	Monteith - 3F	Grab	D	12/29/2023 12:19	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

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ANALYTICAL RESULTS

Lab ID: 3909570001
Sample ID: Monteith - 1P
Description: Grab

Date Collected: 12/29/2023 12:08
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.073		mg/L	0.0010		1		1.3	01/02/2024 15:35	LDP
Lead, Total	0.0018		mg/L	0.0010		1		0.015	01/02/2024 15:35	LDP

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ANALYTICAL RESULTS

Lab ID: 3909570002
Sample ID: Monteith - 1F
Description: Grab

Date Collected: 12/29/2023 12:10
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.027		mg/L	0.0010		1		1.3	01/02/2024 15:37	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:37	LDP

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ANALYTICAL RESULTS

Lab ID: 3909570003
Sample ID: Monteith - 2P
Description: Grab

Date Collected: 12/29/2023 12:12
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.13		mg/L	0.0010		1		1.3	01/02/2024 15:39	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:39	LDP

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ANALYTICAL RESULTS

Lab ID: 3909570004
Sample ID: Monteith - 2F
Description: Grab

Date Collected: 12/29/2023 12:14
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.074		mg/L	0.0010		1		1.3	01/02/2024 15:40	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:40	LDP

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ANALYTICAL RESULTS

Lab ID: 3909570005
Sample ID: Monteith - 3P
Description: Grab

Date Collected: 12/29/2023 12:17
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.025		mg/L	0.0010		1		1.3	01/02/2024 15:49	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:49	LDP

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ANALYTICAL RESULTS

Lab ID: 3909570006
Sample ID: Monteith - 3F
Description: Grab

Date Collected: 12/29/2023 12:19
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0029		mg/L	0.0010		1		1.3	01/02/2024 15:55	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:55	LDP

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Client Name: Testing Engineers & Consultants, Inc.

Contact Person: Scott Chandler

Mailing Address: 1343 Rochester Rd.

City, State, Zip: Troy, MI, 48063

Phone and Fax: 248-755-1557

Email: Schandler@tectest.com

Client Job Name / No.: 63866-01

Job Location: _____

WSSN #: _____ PIN #: _____

Sampled By: Jacob Pallach PO No.: 63866-01

Remarks:

Use EPA Method 200-8

390957
TEC
Testing Engineers & Consultants

ANALYSIS REQUESTED

Regulatory Requirements

RCRA ☐
NPDES ☐
Drinking Water ☒
Other: _____

Turnaround Requirements

1 Day (RUSH) ☐
2 Day (RUSH) ☐
3 Day (RUSH) ☐
5 Day (STANDARD) ☒
Other: _____

Matrix Key

DW = Drinking Water WW = Wastewater
W = Water D = Diesel BD = Biodiesel
G = Gasoline E8 = E85 O = Oil
SL = Sludge S = Soil X = Other

Item No.	Date Taken	Time Taken	Grab	Comp	Client Sample ID	Matrix	No. of containers	View	Copy											PARAGON SAMPLE NO.
01	12-29-23	12:08	X		Monteith - 1P	DW	1	X	X											390957-0001
02		12:10	X		Monteith - 1F	DW	1	X	X											002
03		12:12	X		Monteith - 2P	DW	1	X	X											003
04		12:14	X		Monteith - 2F	DW	1	X	X											004
05		12:17	X		Monteith - 3P	DW	1	X	X											005
06	✓	12:19	X		Monteith - 3F	DW	1	X	X											006

Sample Receipt Acceptability Checklist

Sample Receiver				Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>		Client: <u>Testing Engineers</u>	
Criteria - All Samples				Yes	No	n/a	Additional Info / Comments		
1.	Delivery method? (circle one)						Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled		
2.	Arrived in cooler?			<input checked="" type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a		
3.	COC or other paperwork present and adequate?			<input checked="" type="checkbox"/>			If other paperwork provided, describe:		
4.	Sample containers intact?			<input checked="" type="checkbox"/>			If "No", explain:		
5.	Sample containers in agreement with COC?			<input checked="" type="checkbox"/>			If "No", explain:		
6.	All samples in containers provided by Paragon?			<input checked="" type="checkbox"/>			If "No", explain:		
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)				<input checked="" type="checkbox"/>		If "Yes", explain:		
Additional Criteria - Environmental Samples*				Yes	No	n/a	Additional Info / Comments		
8.	Samples within holding time?			<input checked="" type="checkbox"/>			If "No", explain:		
9.	Are any water samples frozen?				<input checked="" type="checkbox"/>		If "Yes", explain:		
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>				<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the average (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>		
11.	Average temperature within limits or sampled within 24 hrs of receipt?			<input checked="" type="checkbox"/>					
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")					<input checked="" type="checkbox"/>	If "No", container identification(s):		
13.	Sample(s) properly preserved?					<input checked="" type="checkbox"/>			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____					<input checked="" type="checkbox"/>	Notes or additional pH readings: <div style="text-align: right; font-size: 1.2em; margin-top: 10px;"> <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u> </div>		
Account Coordinator				Initials: <u>ECP</u>		Date: <u>12/29/23</u>		Workorder: <u>390942 / 390943 / 390944 / 390945</u>	
				Yes	No	Additional Info / Comments			
1.	Is there sufficient volume for all requested analyses?			<input checked="" type="checkbox"/>		If "No", explain:			
2.	Client contacted?				<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____			
3.	All samples accepted?			<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:			

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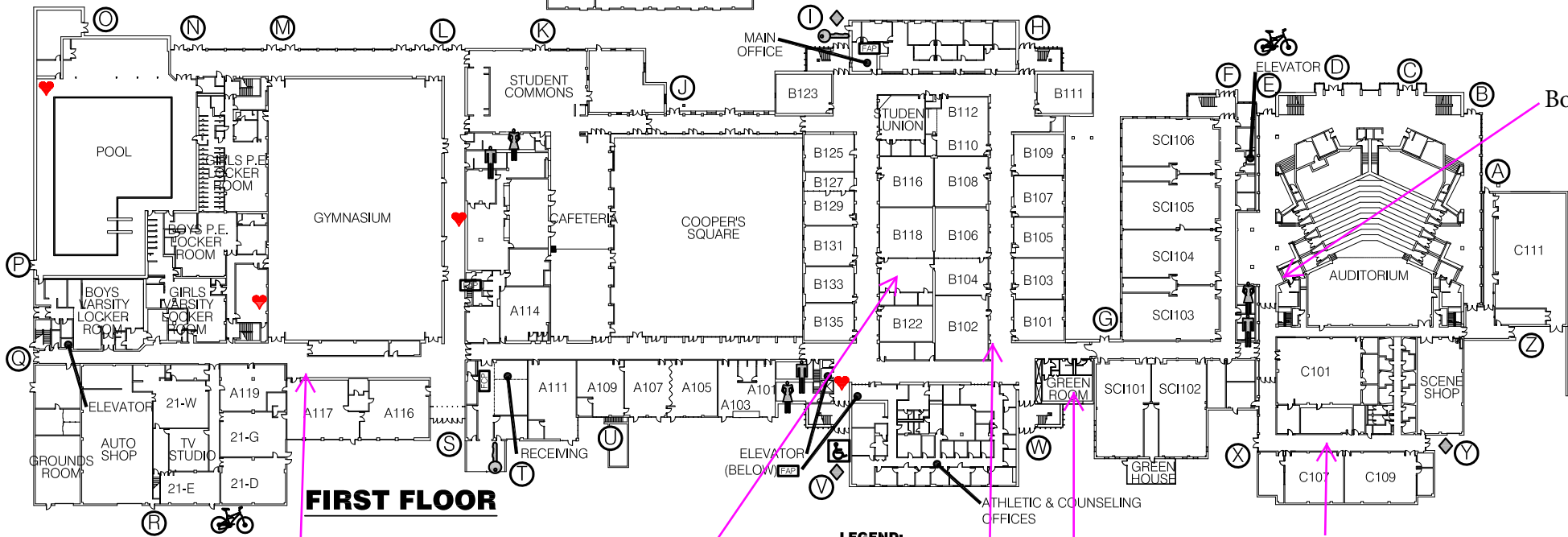
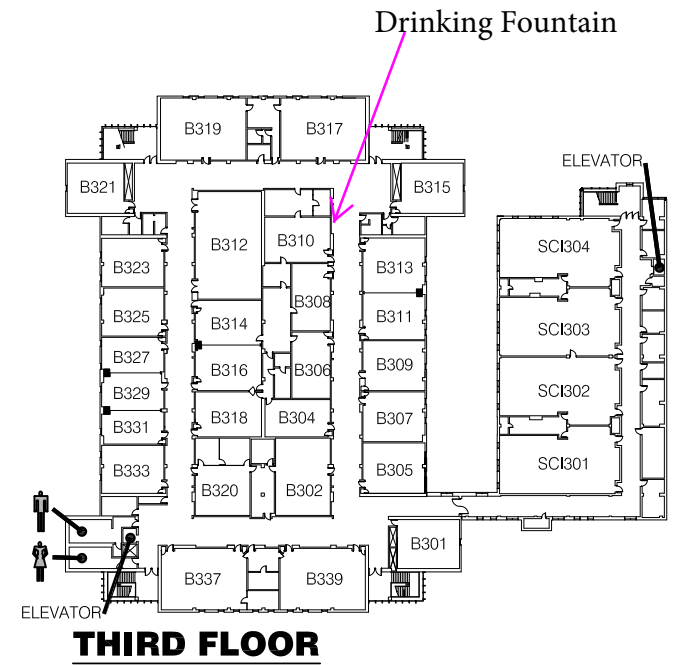
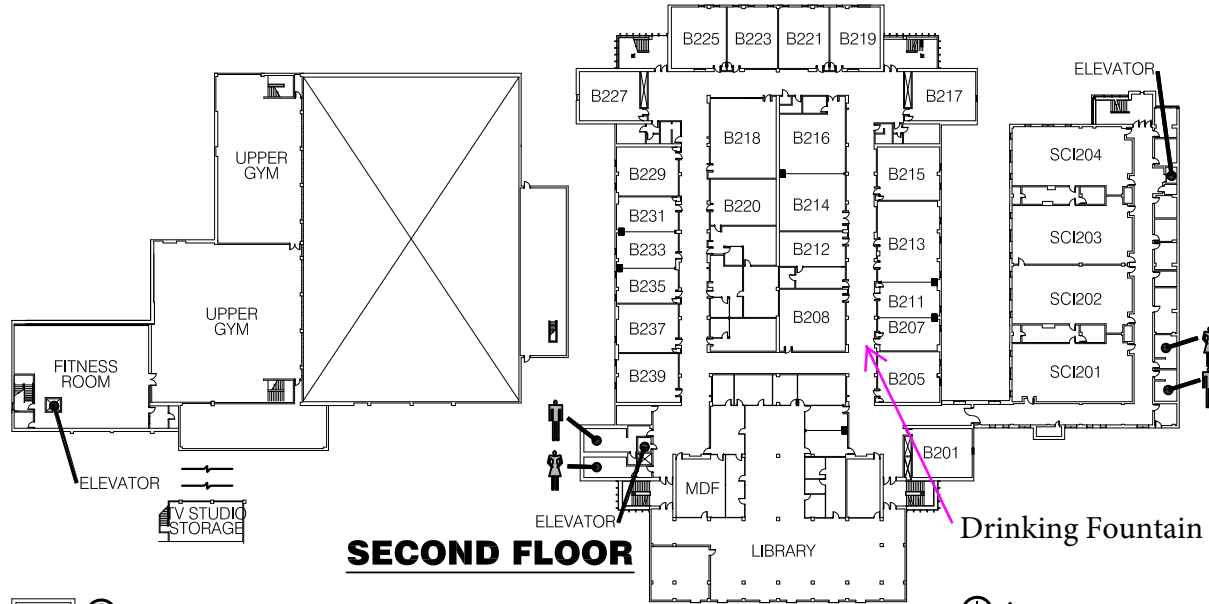
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APPENDIX J

Table One
Drinking Water Test Results
Grosse Pointe North High School
707 Vernier Rd, Grosse Pointe Woods, MI 48236
Sampling Date: December 29, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station outside Rm A117	1P	1st draw	Lead	<0.0010
				Copper	0.036
		1F	2 min. flush	Lead	<0.0010
				Copper	0.021
2	1st Floor; Board Room/Break Room Sink across from Rm 131	2P	1st draw	Lead	<0.0010
				Copper	0.20
		2F	2 min. flush	Lead	<0.0010
				Copper	0.18
3	1st Floor; Bottle Filling Station outside Rm B102	3P	1st draw	Lead	<0.0010
				Copper	0.069
		3F	2 min. flush	Lead	<0.0010
				Copper	0.027
4	1st Floor; Green Room; Sink; Cold	4P	1st draw	Lead	<0.0010
				Copper	0.042
		4F	2 min. flush	Lead	<0.0010
				Copper	0.024
5	1st Floor; Bottle Filling Station across from Rm C107	5P	1st draw	Lead	<0.0010
				Copper	0.085
		5F	2 min. flush	Lead	<0.0010
				Copper	0.052
6	1st Floor; Bottle Filling Station outside Auditorium	6P	1st draw	Lead	<0.0010
				Copper	0.072
		6F	2 min. flush	Lead	<0.0010
				Copper	0.037
7	2nd Floor; Drinking Fountain outside Rm B205	7P	1st draw	Lead	<0.0010
				Copper	0.23
		7F	2 min. flush	Lead	<0.0010
				Copper	0.053
8	3rd Floor; Bottle Filling Station outside Rm B310	8P	1st draw	Lead	0.0011
				Copper	0.10
		8F	2 min. flush	Lead	<0.0010
				Copper	0.073
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

2023 WATER SAMPLING LOCATIONS

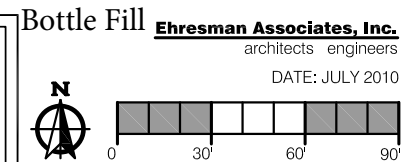


Grosse Pointe North High School

707 Vernier
Grosse Pointe Woods, MI 48236
313.432.3200

LEGEND:

	BOYS RESTROOM		KNOX-BOX		ADA ENTRANCE
	GIRLS RESTROOM		FIRE ALARM CONTROL PANEL		CONTROLLED ACCESS ENTRY
	AUTOMATIC ELEC. DEFIBRILLATOR		FIRE ALARM ANNUNCIATOR PANEL		BIKE RACK



Bottle Fill

Board Room Sink

Bottle Fill

Green Room Sink



Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390954
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909540001	North High School - 1P	Grab	D	12/29/2023 09:57	12/29/2023 13:09	Jacob Pallach
3909540002	North High School - 1F	Grab	D	12/29/2023 09:59	12/29/2023 13:09	Jacob Pallach
3909540003	North High School - 2P	Grab	D	12/29/2023 10:03	12/29/2023 13:09	Jacob Pallach
3909540004	North High School - 2F	Grab	D	12/29/2023 10:05	12/29/2023 13:09	Jacob Pallach
3909540005	North High School - 3P	Grab	D	12/29/2023 10:07	12/29/2023 13:09	Jacob Pallach
3909540006	North High School - 3F	Grab	D	12/29/2023 10:09	12/29/2023 13:09	Jacob Pallach
3909540007	North High School - 4P	Grab	D	12/29/2023 10:10	12/29/2023 13:09	Jacob Pallach
3909540008	North High School - 4F	Grab	D	12/29/2023 10:12	12/29/2023 13:09	Jacob Pallach
3909540009	North High School - 5P	Grab	D	12/29/2023 10:14	12/29/2023 13:09	Jacob Pallach
3909540010	North High School - 5F	Grab	D	12/29/2023 10:16	12/29/2023 13:09	Jacob Pallach
3909540011	North High School - 6P	Grab	D	12/29/2023 10:18	12/29/2023 13:09	Jacob Pallach
3909540012	North High School - 6F	Grab	D	12/29/2023 10:20	12/29/2023 13:09	Jacob Pallach
3909540013	North High School - 7P	Grab	D	12/29/2023 10:25	12/29/2023 13:09	Jacob Pallach
3909540014	North High School - 7F	Grab	D	12/29/2023 10:27	12/29/2023 13:09	Jacob Pallach
3909540015	North High School - 8P	Grab	D	12/29/2023 10:30	12/29/2023 13:09	Jacob Pallach
3909540016	North High School - 8F	Grab	D	12/29/2023 10:32	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909540007 - North High School - 4P - Copper, Total

The MS and/or MSD recovery for this analyte was above the upper control limit.

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ANALYTICAL RESULTS

Lab ID: 3909540001 Date Collected: 12/29/2023 09:57 Matrix: Drinking Water, Potable (D)
Sample ID: North High School - 1P Date Received: 12/29/2023 13:09 Collector: Jacob Pallach
Description: Grab

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.036		mg/L	0.0010		1		1.3	01/02/2024 14:08	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:08	LDP

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ANALYTICAL RESULTS

Lab ID:	3909540002	Date Collected:	12/29/2023 09:59	Matrix:	Drinking Water, Potable (D)
Sample ID:	North High School - 1F	Date Received:	12/29/2023 13:09	Collector:	Jacob Pallach
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.021		mg/L	0.0010		1		1.3	01/02/2024 14:09	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:09	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540003
Sample ID: North High School - 2P
Description: Grab

Date Collected: 12/29/2023 10:03
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.20		mg/L	0.0010		1		1.3	01/02/2024 14:11	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:11	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540004
Sample ID: North High School - 2F
Description: Grab

Date Collected: 12/29/2023 10:05
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.18		mg/L	0.0010		1		1.3	01/02/2024 14:13	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:13	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540005
Sample ID: North High School - 3P
Description: Grab

Date Collected: 12/29/2023 10:07
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.069		mg/L	0.0010		1		1.3	01/02/2024 14:15	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:15	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540006
Sample ID: North High School - 3F
Description: Grab

Date Collected: 12/29/2023 10:09
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.027		mg/L	0.0010		1		1.3	01/02/2024 14:20	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:20	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540007
Sample ID: North High School - 4P
Description: Grab

Date Collected: 12/29/2023 10:10
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.042	*	mg/L	0.0010		1		1.3	01/02/2024 14:22	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:22	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540008
Sample ID: North High School - 4F
Description: Grab

Date Collected: 12/29/2023 10:12
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.024		mg/L	0.0010		1		1.3	01/02/2024 14:28	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:28	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540009
Sample ID: North High School - 5P
Description: Grab

Date Collected: 12/29/2023 10:14
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.085		mg/L	0.0010		1		1.3	01/02/2024 14:29	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:29	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540010
Sample ID: North High School - 5F
Description: Grab

Date Collected: 12/29/2023 10:16
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.052		mg/L	0.0010		1		1.3	01/02/2024 14:31	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:31	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540011
Sample ID: North High School - 6P
Description: Grab

Date Collected: 12/29/2023 10:18
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.072		mg/L	0.0010		1		1.3	01/02/2024 14:33	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:33	LDP

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ANALYTICAL RESULTS

Lab ID:	3909540012	Date Collected:	12/29/2023 10:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	North High School - 6F	Date Received:	12/29/2023 13:09	Collector:	Jacob Pallach
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.037		mg/L	0.0010		1		1.3	01/02/2024 14:35	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:35	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540013
Sample ID: North High School - 7P
Description: Grab

Date Collected: 12/29/2023 10:25
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.23		mg/L	0.0010		1		1.3	01/02/2024 14:37	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:37	LDP

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ANALYTICAL RESULTS

Lab ID:	3909540014	Date Collected:	12/29/2023 10:27	Matrix:	Drinking Water, Potable (D)
Sample ID:	North High School - 7F	Date Received:	12/29/2023 13:09	Collector:	Jacob Pallach
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.053		mg/L	0.0010		1		1.3	01/02/2024 14:42	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:42	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540015
Sample ID: North High School - 8P
Description: Grab

Date Collected: 12/29/2023 10:30
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.10		mg/L	0.0010		1		1.3	01/02/2024 14:44	LDP
Lead, Total	0.0011		mg/L	0.0010		1		0.015	01/02/2024 14:44	LDP

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ANALYTICAL RESULTS

Lab ID: 3909540016
Sample ID: North High School - 8F
Description: Grab

Date Collected: 12/29/2023 10:32
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.073		mg/L	0.0010		1		1.3	01/02/2024 14:46	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 14:46	LDP

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Client Name: Testing Engineers & Consultants, Inc.

Contact Person: Scott Chandler

Mailing Address: 1343 Rochester Rd.

City, State, Zip: Troy, MI, 48063

Phone and Fax: 248-755-1557

Email: schandler@tectest.com

Client Job Name / No.: 63866-01

Job Location: _____

WSSN #: _____

PIN #: _____

Sampled By: Jacob Pallach

PO No.: 63866-01

Remarks:

USE EPA Method 200-8

330354
TEC
Testing Engineers & Consultants

ANALYSIS REQUESTED
Regulatory Requirements

RCRA ☐

NPDES ☐

Drinking Water ☒

Other: _____

Turnaround Requirements

1 Day (RUSH) ☐

2 Day (RUSH) ☐

3 Day (RUSH) ☐

5 Day (STANDARD) ☒

Other: _____

Matrix Key

DW = Drinking Water WW = Wastewater

W = Water D = Diesel BD = Biodiesel

G = Gasoline E8 = E85 O = Oil

SL = Sludge S = Soil X = Other

Item No.	Date Taken	Time Taken	Grab	Comp	Client Sample ID	Matrix	No. of Containers	ANALYSIS REQUESTED										PARAGON SAMPLE NO.			
01	12-29-23	9:57	X		North High School - 1P	DW	1	X	X									380954-0001			
02		9:59	X		North High School - 1F	DW	1	X	X												
03		10:03	X		North High School - 2P	DW	1	X	X												
04		10:05	X		North High School - 2F	DW	1	X	X												
05		10:07	X		North High School - 3P	DW	1	X	X												
06		10:09	X		North High School - 3F	DW	1	X	X												
07		10:10	X		North High School - 4P	DW	1	X	X												
08		10:12	X		North High School - 4F	DW	1	X	X												
09		10:14	X		North High School - 5P	DW	1	X	X												
10		10:16	X		North High School - 5F	DW	1	X	X												
Tran. #	Released By				Received By				Date				Time				Tran. #	Released By			
1.	Jan 1/24				SDT-391				12.29.23				13:09				3.				
2.																	4.				

Sample Receipt Acceptability Checklist

Sample Receiver				Initials: <u>SPT-391</u>	Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>	
Criteria - All Samples				Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled		
2.	Arrived in cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a		
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If other paperwork provided, describe:		
4.	Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", explain:		
Additional Criteria - Environmental Samples*				Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
9.	Are any water samples frozen?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", explain:		
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If multiple samples in one cooler, take the temperatures of three samples to compute the average (Refer to SOP-N0182) <u>17.6 18.6 17.0 17.2</u>		
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If "No", container identification(s):		
13.	Sample(s) properly preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notes or additional pH readings: <div style="text-align: right; font-size: 1.2em; font-family: cursive;">390954 / 390955 / 390956 / 390957 390946 / 390947 / 390949 / 390951 / 390952</div>		
Account Coordinator				Initials: <u>ECP</u>	Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>	
				Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
2.	Client contacted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____		
3.	All samples accepted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No" (or "Yes" with resolution), explain:		

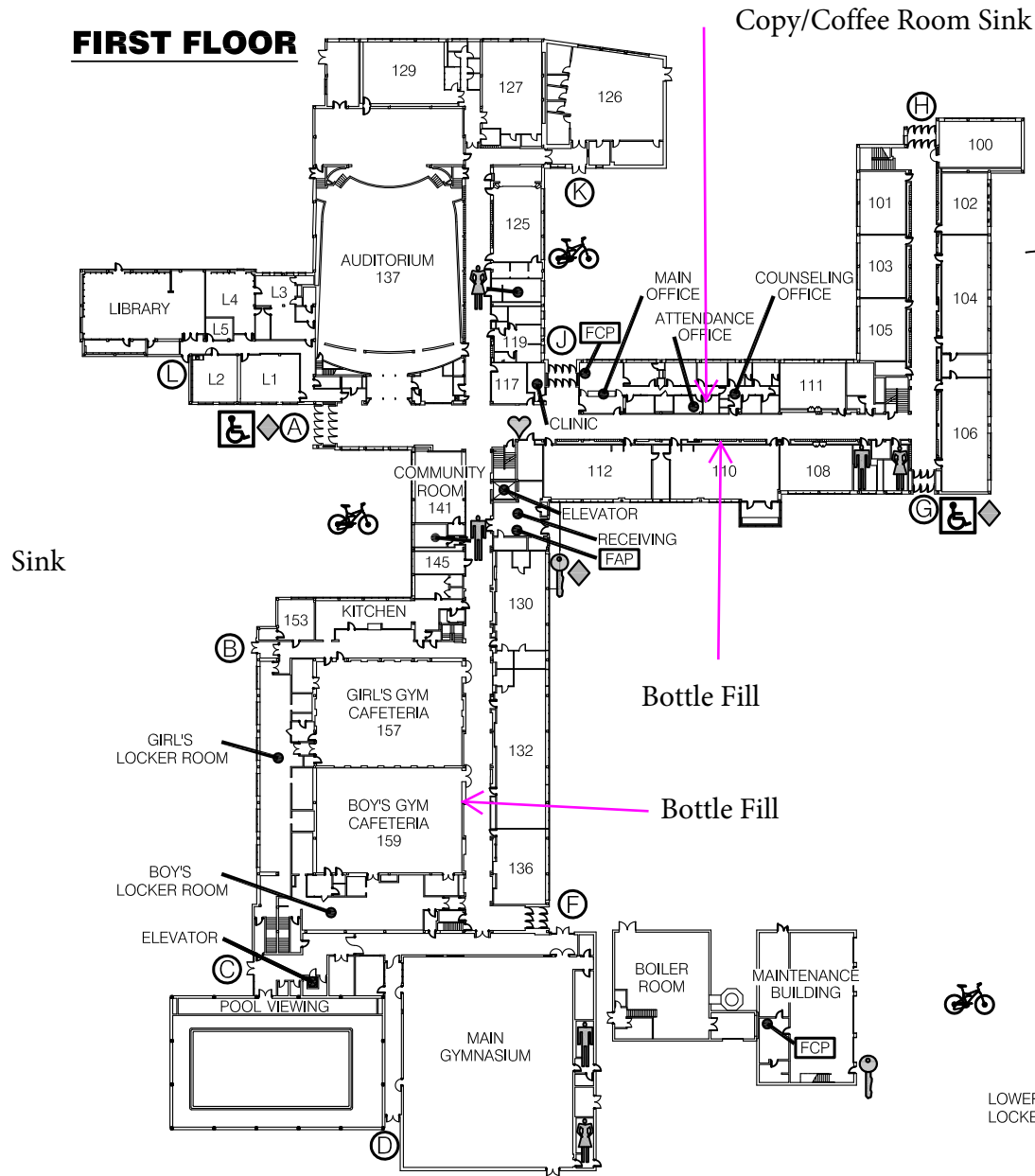
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APPENDIX K

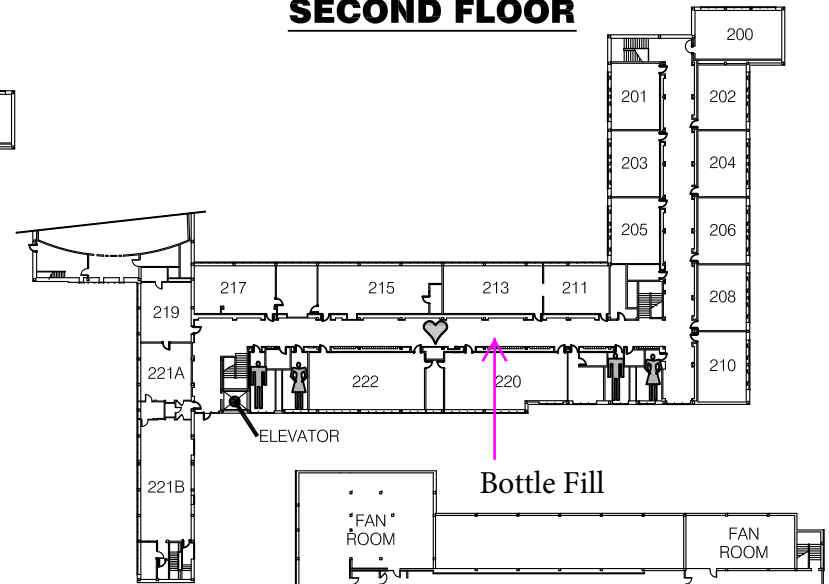
Table One
Drinking Water Test Results
Parcells Middle School
20600 Mack Ave, Grosse Pointe Woods, MI 48236
Sampling Date: December 29, 2023

<u>Location</u>	<u>Description</u>	<u>Cust.Sample ID</u>	<u>Type</u>	<u>Compound</u>	<u>Result (mg/L)</u>
1	1st Floor; Copy/Coffee Rm Sink; cold	1P	1st draw	Lead	0.0013
				Copper	0.0065
		1F	2 min. flush	Lead	<0.0010
				Copper	0.0019
2	1st Floor; Bottle Filling Station outside Rm 110	2P	1st draw	Lead	<0.0010
				Copper	0.087
		2F	2 min. flush	Lead	<0.0010
				Copper	0.021
3	1st Floor; Bottle Filling Station outside Boy's Gym (Room 159)	3P	1st draw	Lead	<0.0010
				Copper	0.062
		3F	2 min. flush	Lead	<0.0010
				Copper	0.016
4	2nd Floor; Bottle Filling Station outside Rm 220	4P	1st draw	Lead	<0.0010
				Copper	0.16
		4F	2 min. flush	Lead	<0.0010
				Copper	0.042
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

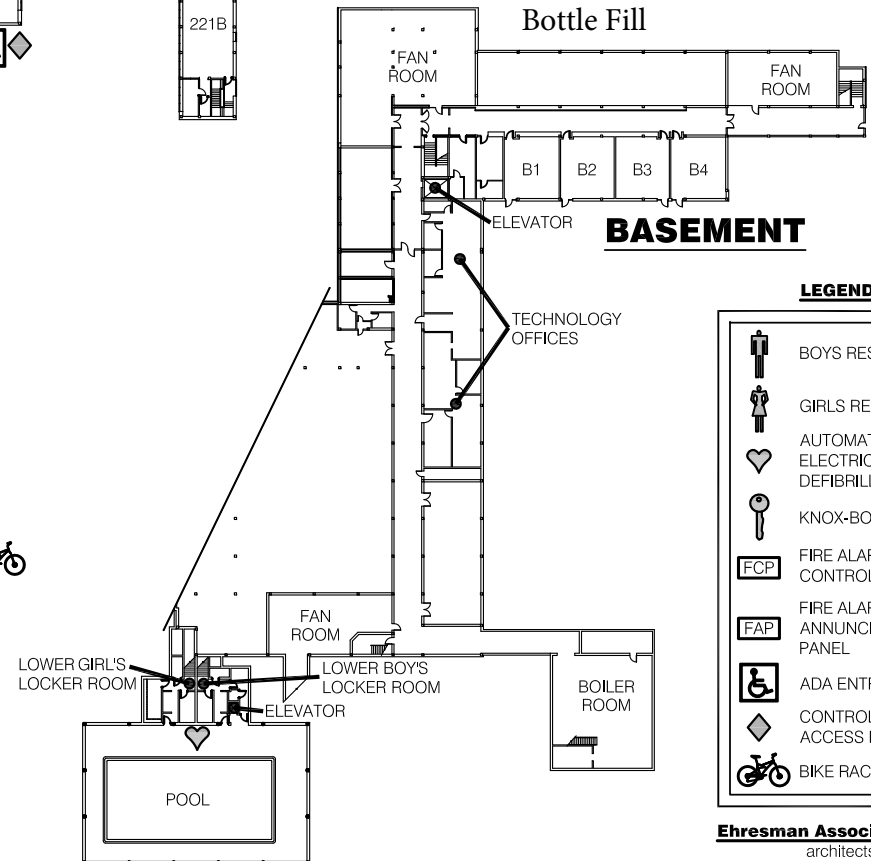
FIRST FLOOR



SECOND FLOOR



BASEMENT



LEGEND:

	BOYS RESTROOM
	GIRLS RESTROOM
	AUTOMATIC ELECTRICAL DEFIBRILLATOR
	KNOX-BOX
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	ADA ENTRANCE
	CONTROLLED ACCESS ENTRY
	BIKE RACKS

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

Parcells Middle School

20600 Mack Ave.

Grosse Pointe Woods, MI 48236

313.432.4600

2023 WATER SAMPLING LOCATIONS





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390956
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909560001	Parcells - 1P	Grab	D	12/29/2023 11:43	12/29/2023 13:09	Jacob Pallach
3909560002	Parcells - 1F	Grab	D	12/29/2023 11:45	12/29/2023 13:09	Jacob Pallach
3909560003	Parcells - 2P	Grab	D	12/29/2023 11:47	12/29/2023 13:09	Jacob Pallach
3909560004	Parcells - 2F	Grab	D	12/29/2023 11:49	12/29/2023 13:09	Jacob Pallach
3909560005	Parcells - 3P	Grab	D	12/29/2023 11:56	12/29/2023 13:09	Jacob Pallach
3909560006	Parcells - 3F	Grab	D	12/29/2023 11:58	12/29/2023 13:09	Jacob Pallach
3909560007	Parcells - 4P	Grab	D	12/29/2023 11:51	12/29/2023 13:09	Jacob Pallach
3909560008	Parcells - 4F	Grab	D	12/29/2023 11:53	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909560003 - Parcels - 2P - Copper, Total

The concentration for this analyte was greater than 4X the MS/MSD spike concentration. No qualification is necessary for recovery failures.

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ANALYTICAL RESULTS

Lab ID: 3909560001
Sample ID: Parcels - 1P
Description: Grab

Date Collected: 12/29/2023 11:43
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0065		mg/L	0.0010		1		1.3	01/02/2024 15:13	LDP
Lead, Total	0.0013		mg/L	0.0010		1		0.015	01/02/2024 15:13	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560002
Sample ID: Parcels - 1F
Description: Grab

Date Collected: 12/29/2023 11:45
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0019		mg/L	0.0010		1		1.3	01/02/2024 15:15	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:15	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560003
Sample ID: Parcels - 2P
Description: Grab

Date Collected: 12/29/2023 11:47
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.087	*	mg/L	0.0010		1		1.3	01/02/2024 15:17	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:17	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560004
Sample ID: Parcels - 2F
Description: Grab

Date Collected: 12/29/2023 11:49
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.021		mg/L	0.0010		1		1.3	01/02/2024 15:26	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:26	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560005
Sample ID: Parcels - 3P
Description: Grab

Date Collected: 12/29/2023 11:56
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.062		mg/L	0.0010		1		1.3	01/02/2024 15:28	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:28	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560006
Sample ID: Parcels - 3F
Description: Grab

Date Collected: 12/29/2023 11:58
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.016		mg/L	0.0010		1		1.3	01/02/2024 15:29	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:29	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560007
Sample ID: Parcels - 4P
Description: Grab

Date Collected: 12/29/2023 11:51
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.16		mg/L	0.0010		1		1.3	01/02/2024 15:31	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:31	LDP

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ANALYTICAL RESULTS

Lab ID: 3909560008
Sample ID: Parcels - 4F
Description: Grab

Date Collected: 12/29/2023 11:53
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.042		mg/L	0.0010		1		1.3	01/02/2024 15:33	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 15:33	LDP

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

Client Name: Testing Engineers & Consultants, Inc.

Contact Person: Scott Chandler

Mailing Address: 1343 Rochester Rd.

City, State, Zip: Tray, MI, 48083

Phone and Fax: 248-755-1557

Email: SChandler@tectest.com

Client Job Name / No.: 63866-01

Job Location: _____

WSSN #: _____ PIN #: _____

Sampled By: Jacob Ballach PO No.: 63866-01

Remarks:

Use EPA Method 200-8

390356
TEC
Testing Engineers & Consultants

ANALYSIS REQUESTED

Regulatory Requirements

RCRA ☐

NPDES ☐

Drinking Water ☒

Other: _____

Turnaround Requirements

1 Day (RUSH) ☐

2 Day (RUSH) ☐

3 Day (RUSH) ☐

5 Day (STANDARD) ☒

Other: _____

Matrix Key

DW = Drinking Water WW = Wastewater

W = Water D = Diesel BD = Biodiesel

G = Gasoline E8 = E85 O = Oil

SL = Sludge S = Soil X = Other

Item No.	Date Taken	Time Taken	Grab	Comp	Client Sample ID	Matrix	No. of containers	Lead	Copper	PARAGON SAMPLE NO.											
01	12-29-23	11:43	X		Parcells - 1P	DW	1	X	X	390956-0001											
02		11:45	X		Parcells - 1F	DW	1	X	X	AW2											
03		11:47	X		Parcells - 2P	DW	1	X	X	AW3											
04		11:49	X		Parcells - 2F	DW	1	X	X	AW4											
05		11:56	X		Parcells - 3P	DW	1	X	X	AW5											
06		11:58	X		Parcells - 3F	DW	1	X	X	AW6											
07		11:51	X		Parcells - 4P	DW	1	X	X	AW7											
08		11:53	X		Parcells - 4F	DW	1	X	X	AW8											
Tran. #	Released By				Received By		Date		Time		Tran. #	Released By				Received By		Date		Time	
1.	<u>[Signature]</u>				<u>SDT-391</u>		<u>12-29-23</u>		<u>13:09</u>		3.										
2.											4.										

Sample Receipt Acceptability Checklist

Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>	Client: <u>Testing Engineers</u>
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ <u>Client drop-off</u> Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>			Cooling method (circle one): Natural ice Blue ice <u>Ambient</u> n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>			If other paperwork provided, describe:
4.	Sample containers intact?	<input checked="" type="checkbox"/>			If "No", explain:
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>			If "No", explain:
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		<input checked="" type="checkbox"/>		If "Yes", explain:
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>			If "No", explain:
9.	Are any water samples frozen?		<input checked="" type="checkbox"/>		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>		<u>17.6</u>		If multiple samples in one cooler, take the temperatures of three samples to compute the aver (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			<input checked="" type="checkbox"/>	If "No", container identification(s):
13.	Sample(s) properly preserved?			<input checked="" type="checkbox"/>	
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			<input checked="" type="checkbox"/>	Notes or additional pH readings: <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u>
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>
		Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>		If "No", explain:	
2.	Client contacted?		<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____	
3.	All samples accepted?	<input checked="" type="checkbox"/>		If "No" (or "Yes" with resolution), explain:	

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APPENDIX L

Table One
Drinking Water Test Results
Pierce Middle School
15430 Kercheval Ave, Grosse Pointe, MI 48230
Sampling Date: December 28, 2023

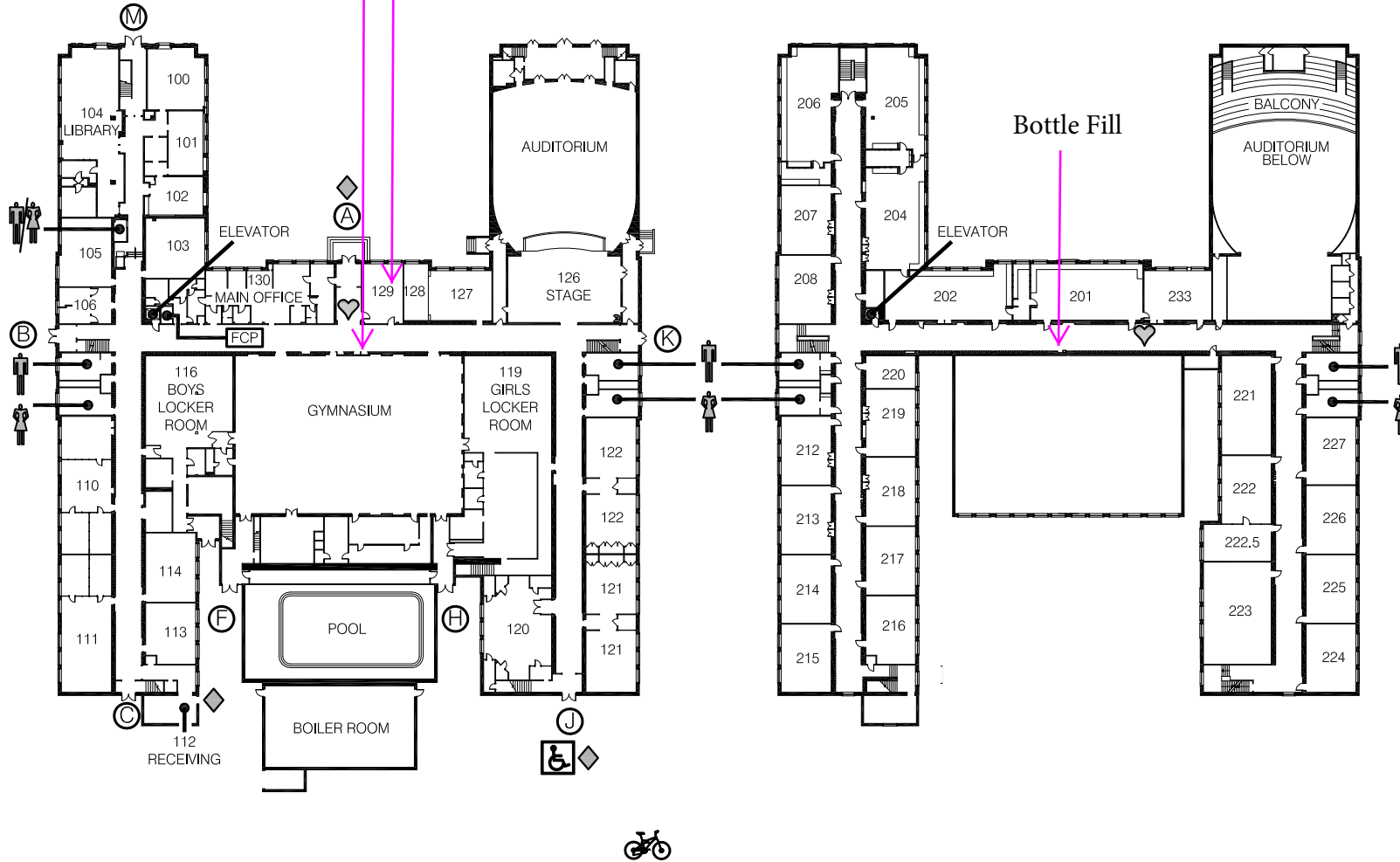
Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station outside Gymnasium	1P	1st draw	Lead	<0.0010
				Copper	0.052
		1F	2 min. flush	Lead	<0.0010
				Copper	0.050
2	1st Floor; Staff Lounge; Sink; Cold	2P	1st draw	Lead	<0.0010
				Copper	0.038
		2P	1st draw	Lead	<0.0010
				Copper	0.0024
3	2nd Floor; Bottle Filling Station across from Rm 201	3P	1st draw	Lead	<0.0010
				Copper	0.047
		3F	2 min. flush	Lead	<0.0010
				Copper	0.064
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

Bottle Fill

Staff Lounge Sink

FIRST FLOOR

SECOND FLOOR



LEGEND:

	BOYS RESTROOM
	GIRLS RESTROOM
	AUTOMATIC ELECTRICAL DEFIBRILLATOR
	KNOX-BOX
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	ADA ENTRANCE
	CONTROLLED ACCESS ENTRY
	BIKE RACK

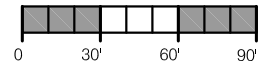
Pierce Middle School

15430 Kercheval
Grosse Pointe Park, MI 48230
313.432.4700

2023 WATER SAMPLING LOCATIONS

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390942
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

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Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909420001	Pierce - 1P	Grab	D	12/28/2023 08:45	12/29/2023 13:09	Jacob Pallach
3909420002	Pierce - 1F	Grab	D	12/28/2023 08:47	12/29/2023 13:09	Jacob Pallach
3909420003	Pierce - 2P	Grab	D	12/28/2023 08:54	12/29/2023 13:09	Jacob Pallach
3909420004	Pierce - 2F	Grab	D	12/28/2023 08:56	12/29/2023 13:09	Jacob Pallach
3909420005	Pierce - 3P	Grab	D	12/28/2023 08:57	12/29/2023 13:09	Jacob Pallach
3909420006	Pierce - 3F	Grab	D	12/28/2023 08:59	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

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

ANALYTICAL RESULTS

Lab ID: 3909420001
Sample ID: Pierce - 1P
Description: Grab

Date Collected: 12/28/2023 08:45
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.052		mg/L	0.0010		1		1.3	01/02/2024 10:26	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:26	LDP

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ANALYTICAL RESULTS

Lab ID: 3909420002
Sample ID: Pierce - 1F
Description: Grab

Date Collected: 12/28/2023 08:47
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.050		mg/L	0.0010		1		1.3	01/02/2024 10:28	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:28	LDP

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ANALYTICAL RESULTS

Lab ID: 3909420003
Sample ID: Pierce - 2P
Description: Grab

Date Collected: 12/28/2023 08:54
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.038		mg/L	0.0010		1		1.3	01/02/2024 10:30	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:30	LDP

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ANALYTICAL RESULTS

Lab ID: 3909420004
Sample ID: Pierce - 2F
Description: Grab

Date Collected: 12/28/2023 08:56
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0024		mg/L	0.0010		1		1.3	01/02/2024 10:32	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:32	LDP

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ANALYTICAL RESULTS

Lab ID: 3909420005
Sample ID: Pierce - 3P
Description: Grab

Date Collected: 12/28/2023 08:57
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.047		mg/L	0.0010		1		1.3	01/02/2024 10:37	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:37	LDP

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

ANALYTICAL RESULTS

Lab ID: 3909420006
Sample ID: Pierce - 3F
Description: Grab

Date Collected: 12/28/2023 08:59
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.064		mg/L	0.0010		1		1.3	01/02/2024 10:39	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 10:39	LDP

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Sample Receipt Acceptability Checklist

Sample Receiver				Initials: <u>SPT-391</u>	Date: <u>12-29-23</u>	Client: <u>Testing Engineers</u>	
Criteria - All Samples				Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Courier: _____	<u>Client drop-off</u>	Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooling method (circle one):	Natural ice Blue ice <u>Ambient</u>	n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If other paperwork provided, describe:		
4.	Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", explain:		
Additional Criteria - Environmental Samples*				Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
9.	Are any water samples frozen?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", explain:		
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If multiple samples in one cooler, take the temperatures of three samples to compute the aver (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>		
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If "No", container identification(s):		
13.	Sample(s) properly preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notes or additional pH readings: <u>390954 / 390955 / 390956 / 390957</u> <u>390946 / 390947 / 390949 / 390951 / 390952</u>		
Account Coordinator				Initials: <u>ECP</u>	Date: <u>12/29/23</u>	Workorder: <u>390942 / 390943 / 390944 / 390945</u>	
				Yes	No	Additional Info / Comments	
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
2.	Client contacted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____		
3.	All samples accepted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No" (or "Yes" with resolution), explain:		

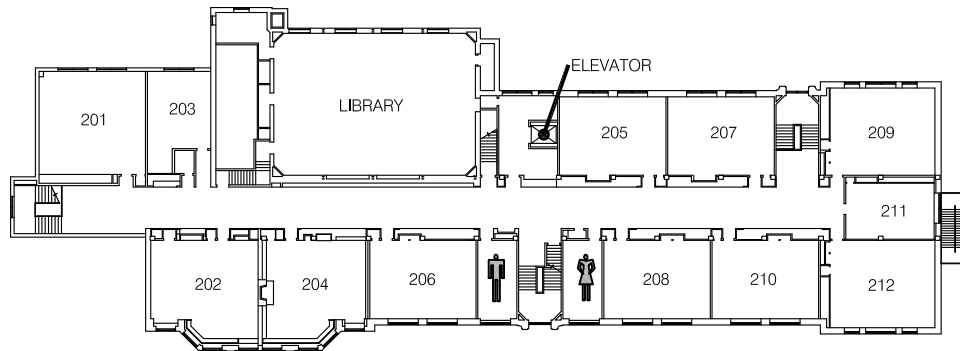
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APPENDIX M

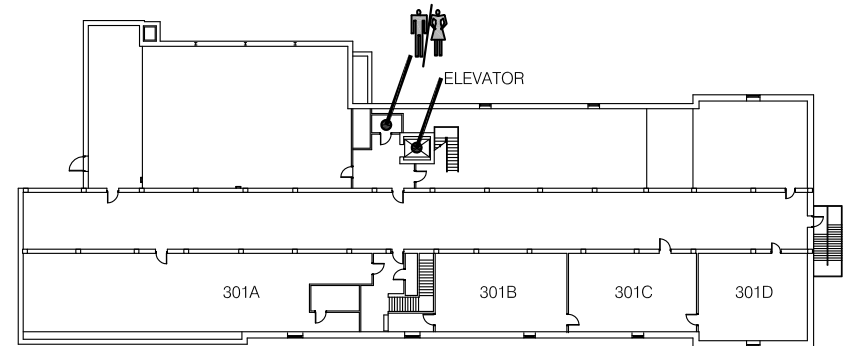
Table One
Drinking Water Test Results
Richard Elementary School
176 McKinley, Grosse Pointe Farms, MI 48236
Sampling Date: December 29, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Kitchen Area; Kitchen Sink; cold	1P	1st draw	Lead	<0.0010
				Copper	0.050
		1F	2 min. flush	Lead	<0.0010
				Copper	0.025
			EPA Action Level		
				Lead	0.015 mg/L
				Copper	1.3 mg/L

SECOND FLOOR

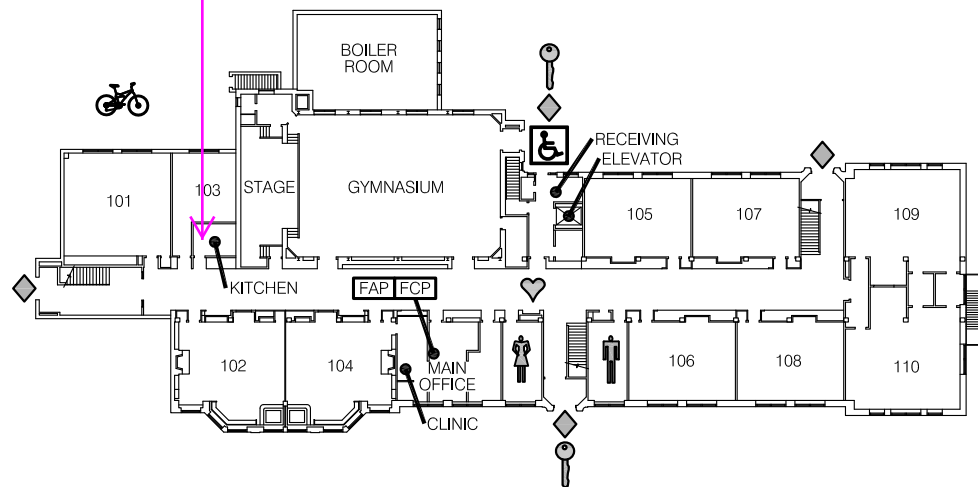


THIRD FLOOR

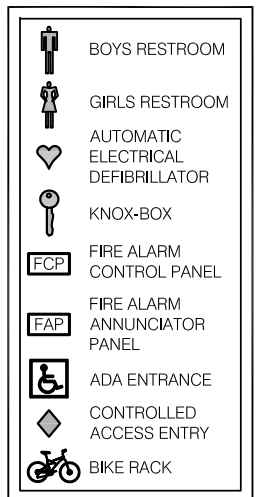


Kitchen Sink

FIRST FLOOR



LEGEND:



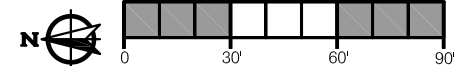
Richard Elementary School

176 McKinley
Grosse Pointe Farms, MI 48236
313.432.4900

2023 WATER SAMPLING LOCATIONS

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390951
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909510001	Richard - 1P	Grab	D	12/29/2023 08:52	12/29/2023 13:09	Jacob Pallach
3909510002	Richard - 1F	Grab	D	12/29/2023 08:54	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

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Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

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

ANALYTICAL RESULTS

Lab ID: 3909510001
Sample ID: Richard - 1P
Description: Grab

Date Collected: 12/29/2023 08:52
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.050		mg/L	0.0010		1		1.3	01/02/2024 13:42	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:42	LDP

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ANALYTICAL RESULTS

Lab ID: 3909510002
Sample ID: Richard - 1F
Description: Grab

Date Collected: 12/29/2023 08:54
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.025		mg/L	0.0010		1		1.3	01/02/2024 13:44	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 13:44	LDP

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[illegible]

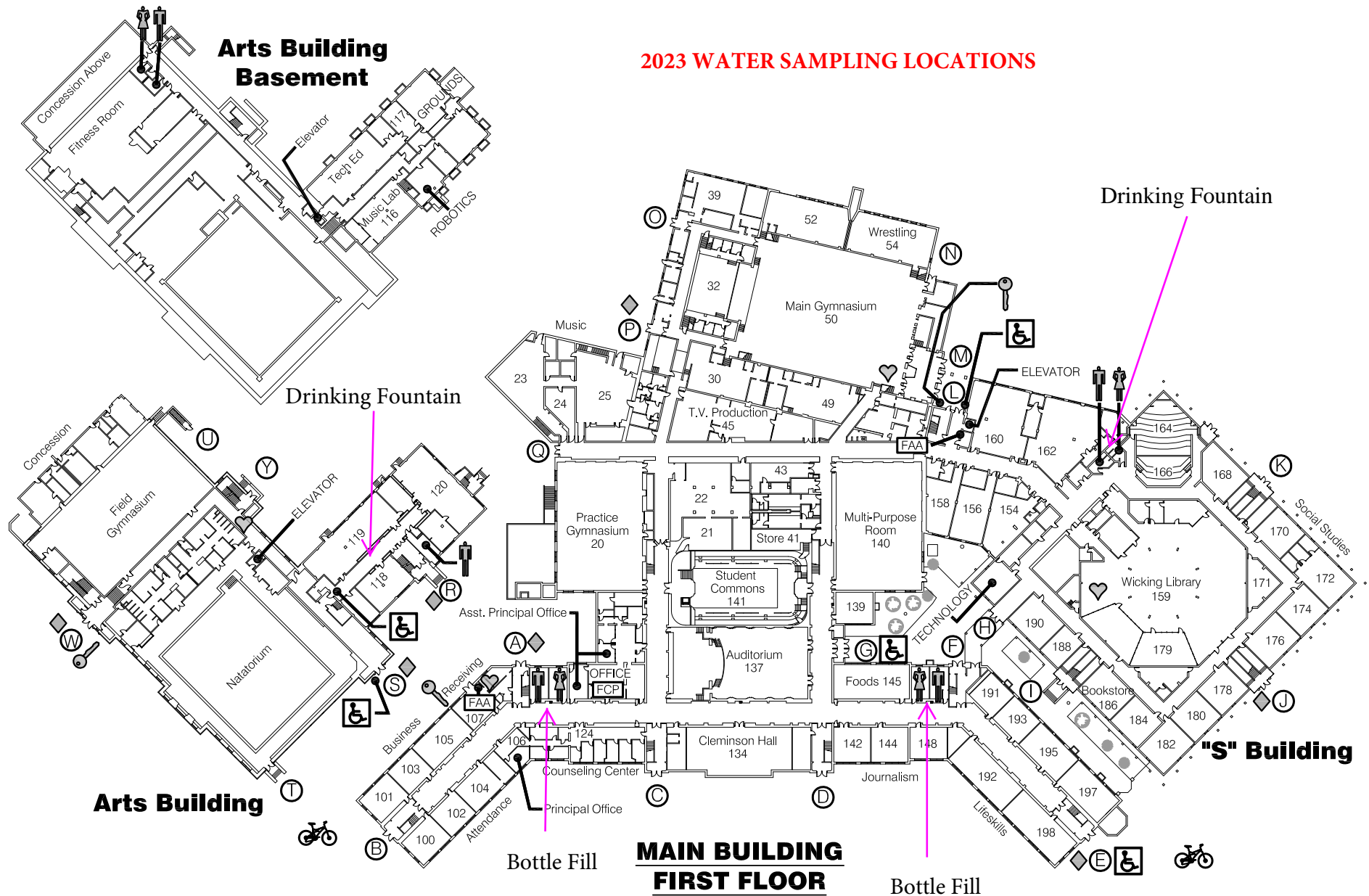
Testing Engineers & Consultants

APPENDIX N

Table One
Drinking Water Test Results
Grosse Pointe South High School
11 Grosse Pointe Blvd, Grosse Pointe Farms, MI 48236
Sampling Date: December 28, 2023

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Counseling Cntr (Rm 124)	1P	1st Draw	Lead	<0.0010
				Copper	0.045
		1F	2 min. flush	Lead	<0.0010
				Copper	0.036
2	1st Floor; Bottle Filling Station across from Room 148	2P	1st Draw	Lead	<0.0010
				Copper	0.019
		2F	2 min. flush	Lead	<0.0010
				Copper	0.046
3	1st Floor; Drinking Fountain adjacent to Rm 166	3P	1st Draw	Lead	<0.0010
				Copper	0.036
		3F	2 min. flush	Lead	<0.0010
				Copper	0.022
4	1st Floor; Drinking Fountain outside Rm 119	4P	1st Draw	Lead	<0.0010
				Copper	0.054
		4F	2 min. flush	Lead	<0.0010
				Copper	0.024
5	2nd Floor; Bottle Filling Station across from Rm 229	5P	1st Draw	Lead	<0.0010
				Copper	0.062
		5F	2 min. flush	Lead	<0.0010
				Copper	0.024
6	2nd Floor; Cafeteria Area; West Food Prep Sink; Cold	6P	1st Draw	Lead	<0.0010
				Copper	0.033
		6F	2 min. flush	Lead	<0.0010
				Copper	0.016
7	2nd Floor; Faculty Lounge Sink in Room 275; Cold	7P	1st Draw	Lead	0.0020
				Copper	0.076
		7F	2 min. flush	Lead	<0.0010
				Copper	0.013
8	2nd Floor; Bottle Filling Station across from Rm 248	8P	1st Draw	Lead	<0.0010
				Copper	0.031
		8F	2 min. flush	Lead	<0.0010
				Copper	0.012
			EPA Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

2023 WATER SAMPLING LOCATIONS



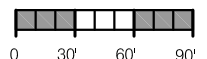
Grosse Pointe South High School

11 Grosse Pointe Blvd.
Grosse Pointe Farms, MI 48236
313.432.3500

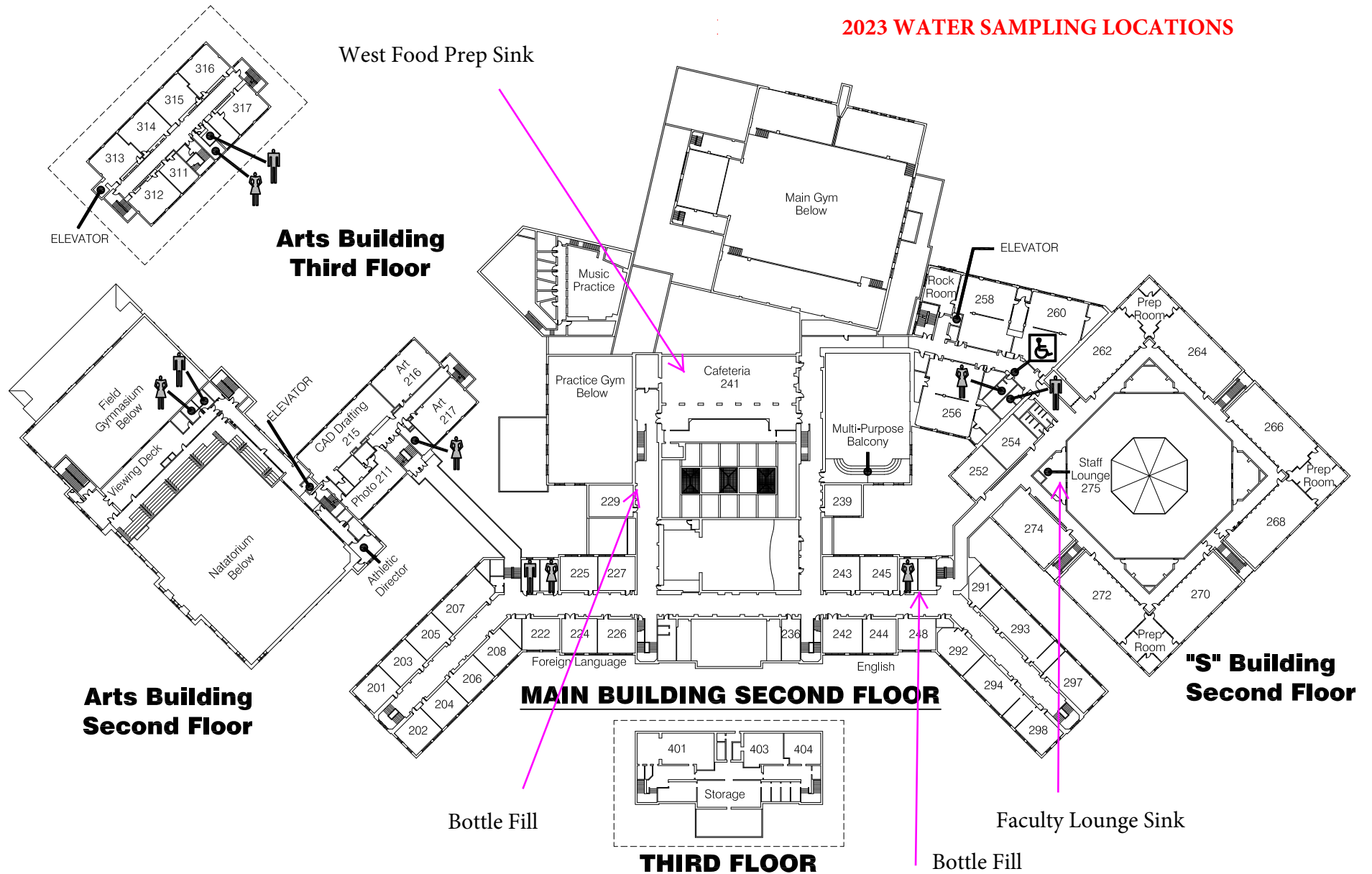
	BOYS RESTROOM		KNOX-BOX		ADA ENTRANCE
	GIRLS RESTROOM		FIRE ALARM CONTROL PANEL		CONTROLLED ACCESS ENTRY
	AUTOMATIC ELEC. DEFIBRILLATOR		FIRE ALARM ANNUNCIATOR PANEL		BIKE RACK

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010



2023 WATER SAMPLING LOCATIONS



Grosse Pointe South High School

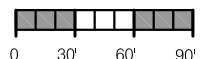
11 Grosse Pointe Blvd.
Grosse Pointe Farms, MI 48236
313.432.3500

LEGEND:

	BOYS RESTROOM		KNOX-BOX		ADA ENTRANCE
	GIRLS RESTROOM		FIRE ALARM CONTROL PANEL		CONTROLLED ACCESS ENTRY
	AUTOMATIC ELEC. DEFIBRILLATOR		FIRE ALARM ANNUNCIATOR PANEL		BIKE RACK

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010





Thursday, January 4, 2024

Scott Chandler
Testing Engineers & Consultants
1343 Rochester Rd
Troy, MI 48083

Workorder: 390945
Project Name: 63866-01
Purchase Order: 63866-01

Scott Chandler,
Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734-469-5619.

Sincerely,

Elizabeth Pangborn
Senior Project Manager

GLOSSARY

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Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
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>	Greater Than	Symbol that indicates that a result is greater than the value following it.
CD	Customer Supplied Data	Initials in "By" section of Analytical Results that indicate data was supplied by customer. Paragon Laboratories Inc., takes no responsibility for customer supplied data.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3909450001	South HS - 1P	Grab	D	12/28/2023 10:34	12/29/2023 13:09	Jacob Pallach
3909450002	South HS - 1F	Grab	D	12/28/2023 10:40	12/29/2023 13:09	Jacob Pallach
3909450003	South HS - 2P	Grab	D	12/28/2023 10:44	12/29/2023 13:09	Jacob Pallach
3909450004	South HS - 2F	Grab	D	12/28/2023 10:46	12/29/2023 13:09	Jacob Pallach
3909450005	South HS - 3P	Grab	D	12/28/2023 10:51	12/29/2023 13:09	Jacob Pallach
3909450006	South HS - 3F	Grab	D	12/28/2023 10:53	12/29/2023 13:09	Jacob Pallach
3909450007	South HS - 4P	Grab	D	12/28/2023 11:16	12/29/2023 13:09	Jacob Pallach
3909450008	South HS - 4F	Grab	D	12/28/2023 11:18	12/29/2023 13:09	Jacob Pallach
3909450009	South HS - 5P	Grab	D	12/28/2023 11:11	12/29/2023 13:09	Jacob Pallach
3909450010	South HS - 5F	Grab	D	12/28/2023 11:13	12/29/2023 13:09	Jacob Pallach
3909450011	South HS - 6P	Grab	D	12/28/2023 11:07	12/29/2023 13:09	Jacob Pallach
3909450012	South HS - 6F	Grab	D	12/28/2023 11:09	12/29/2023 13:09	Jacob Pallach
3909450013	South HS - 7P	Grab	D	12/28/2023 10:57	12/29/2023 13:09	Jacob Pallach
3909450014	South HS - 7F	Grab	D	12/28/2023 10:59	12/29/2023 13:09	Jacob Pallach
3909450015	South HS - 8P	Grab	D	12/28/2023 11:02	12/29/2023 13:09	Jacob Pallach
3909450016	South HS - 8F	Grab	D	12/28/2023 11:04	12/29/2023 13:09	Jacob Pallach

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 02/25/2026)

Paragon Laboratories, Inc. is NELAP certified by the State of Florida Department of Health, Bureau of Public Health Laboratories for the examination of environmental samples in specified categories.

Please refer to <https://www.paragonlaboratories.com/about-paragon/quality-system> for details. (Lab No. E871171 Expires 06/30/2024)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 17.6 °C on December 29th, 2023.

Analysis Results Narrative

3909450001 - South HS - 1P - Copper, Total

The MS and/or MSD recovery for this analyte was above the upper control limit.

3909450011 - South HS - 6P - Copper, Total

The MS and/or MSD recovery for this analyte was above the upper control limit.

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ANALYTICAL RESULTS

Lab ID: 3909450001
Sample ID: South HS - 1P
Description: Grab

Date Collected: 12/28/2023 10:34
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.045	*	mg/L	0.0010		1		1.3	01/02/2024 11:13	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:13	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450002
Sample ID: South HS - 1F
Description: Grab

Date Collected: 12/28/2023 10:40
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.036		mg/L	0.0010		1		1.3	01/02/2024 11:22	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:22	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450003
Sample ID: South HS - 2P
Description: Grab

Date Collected: 12/28/2023 10:44
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.019		mg/L	0.0010		1		1.3	01/02/2024 11:24	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:24	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450004
Sample ID: South HS - 2F
Description: Grab

Date Collected: 12/28/2023 10:46
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.046		mg/L	0.0010		1		1.3	01/02/2024 11:26	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:26	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450005
Sample ID: South HS - 3P
Description: Grab

Date Collected: 12/28/2023 10:51
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.036		mg/L	0.0010		1		1.3	01/02/2024 11:28	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:28	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450006
Sample ID: South HS - 3F
Description: Grab

Date Collected: 12/28/2023 10:53
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.022		mg/L	0.0010		1		1.3	01/02/2024 11:30	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:30	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450007
Sample ID: South HS - 4P
Description: Grab

Date Collected: 12/28/2023 11:16
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.054		mg/L	0.0010		1		1.3	01/02/2024 11:32	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:32	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450008
Sample ID: South HS - 4F
Description: Grab

Date Collected: 12/28/2023 11:18
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.024		mg/L	0.0010		1		1.3	01/02/2024 11:33	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:33	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450009
Sample ID: South HS - 5P
Description: Grab

Date Collected: 12/28/2023 11:11
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.062		mg/L	0.0010		1		1.3	01/02/2024 11:35	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:35	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450010
Sample ID: South HS - 5F
Description: Grab

Date Collected: 12/28/2023 11:13
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.024		mg/L	0.0010		1		1.3	01/02/2024 11:37	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 11:37	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450011
Sample ID: South HS - 6P
Description: Grab

Date Collected: 12/28/2023 11:07
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.033	*	mg/L	0.0010		1		1.3	01/02/2024 12:27	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:27	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450012
Sample ID: South HS - 6F
Description: Grab

Date Collected: 12/28/2023 11:09
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.016		mg/L	0.0010		1		1.3	01/02/2024 12:35	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:35	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450013
Sample ID: South HS - 7P
Description: Grab

Date Collected: 12/28/2023 10:57
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.076		mg/L	0.0010		1		1.3	01/02/2024 12:37	LDP
Lead, Total	0.0020		mg/L	0.0010		1		0.015	01/02/2024 12:37	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450014
Sample ID: South HS - 7F
Description: Grab

Date Collected: 12/28/2023 10:59
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.013		mg/L	0.0010		1		1.3	01/02/2024 12:39	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:39	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450015
Sample ID: South HS - 8P
Description: Grab

Date Collected: 12/28/2023 11:02
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.031		mg/L	0.0010		1		1.3	01/02/2024 12:40	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:40	LDP

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ANALYTICAL RESULTS

Lab ID: 3909450016
Sample ID: South HS - 8F
Description: Grab

Date Collected: 12/28/2023 11:04
Date Received: 12/29/2023 13:09

Matrix: Drinking Water, Potable (D)
Collector: Jacob Pallach

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.012		mg/L	0.0010		1		1.3	01/02/2024 12:42	LDP
Lead, Total	<0.0010		mg/L	0.0010		1		0.015	01/02/2024 12:42	LDP

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Client Name: <u>Testing Engineers & Consultants, Inc.</u>	
Contact Person: <u>Scott Chandler</u>	
Mailing Address: <u>1343 Rochester Rd.</u>	
City, State, Zip: <u>Troy, MI, 48063</u>	
Phone and Fax: <u>248-755-1557</u>	
Email: <u>Schandler@tectest.com</u>	
Client Job Name / No.: <u>63866-01</u>	
Job Location: _____	
WSSN #: _____	PIN #: _____
Sampled By: <u>Jacob Pallach</u>	PO No.: <u>63866-01</u>

Remarks:

Use EPA method 200-8

390945
TEC
Testing Engineers & Consultants

Regulatory Requirements

RCRA ☐
NPDES ☐
Drinking Water ☒
Other: _____

Turnaround Requirements

1 Day (RUSH) ☐
2 Day (RUSH) ☐
3 Day (RUSH) ☐
5 Day (STANDARD) ☒
Other: _____

Matrix Key

DW = Drinking Water WW = Wastewater
W = Water D = Diesel BD = Biodiesel
G = Gasoline E8 = E85 O = Oil
SL = Sludge S = Soil X = Other

ANALYSIS REQUESTED

Item No.	Date Taken	Time Taken	Grab	Comp	Client Sample ID	Matrix	No. of containers	Lead	Copper	PARAGON SAMPLE NO.															
01	12-28-23	10:34	X		South HS -1P	DW	1	X	X	<div style="font-size: 2em; font-weight: bold;">390945-0001</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <div>002</div> <div>003</div> <div>004</div> <div>005</div> <div>006</div> <div>007</div> <div>008</div> <div>009</div> <div>010</div> </div>															
02	12-28-23	10:40	X		South HS -2F	DW	1	X	X																
03	12-28-23	10:44	X		South HS -2P	DW	1	X	X																
04	12-28-23	10:46	X		South HS -2F	DW	1	X	X																
05	12-28-23	10:51	X		South HS -3P	DW	1	X	X																
06	12-28-23	10:53	X		South HS -3F	DW	1	X	X																
07	12-28-23	11:16	X		South HS -4P	DW	1	X	X																
08	12-28-23	11:18	X		South HS -4F	DW	1	X	X																
09	12-28-23	11:11	X		South HS -5P	DW	1	X	X																
10	12-28-23	11:13	X		South HS -5F	DW	1	X	X																
Tran. #	Released By		Received By		Date	Time	Tran. #	Released By		Received By		Date	Time												
1.	<u>[Signature]</u>		<u>SPT-391</u>		<u>12.29.23</u>	<u>13:09</u>	3.																		
2.							4.																		

Sample Receipt Acceptability Checklist

Sample Receiver		Initials: <u>SPT-391</u>		Date: <u>12.29.23</u>		Client: <u>Testing Engineers</u>	
Criteria - All Samples		Yes	No	n/a	Additional Info / Comments		
1.	Delivery method? (circle one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Courier: _____	<u>Client drop-off</u>	Paragon pick-up Paragon sampled
2.	Arrived in cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooling method (circle one):	Natural ice Blue ice <u>Ambient</u>	n/a
3.	COC or other paperwork present and adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If other paperwork provided, describe:		
4.	Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
5.	Sample containers in agreement with COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
6.	All samples in containers provided by Paragon?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", explain:		
Additional Criteria - Environmental Samples*		Yes	No	n/a	Additional Info / Comments		
8.	Samples within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "No", explain:		
9.	Are any water samples frozen?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", explain:		
10.	Average sample temperature? (°C) Thermometer Asset #: <u>11320</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If multiple samples in one cooler, take the temperatures of three samples to compute the average (Refer to SOP-N0182) <u>18.6 17.0 17.2</u>		
11.	Average temperature within limits or sampled within 24 hrs of receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If "No", container identification(s):		
13.	Sample(s) properly preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notes or additional pH readings: <div style="text-align: right; font-size: 1.2em; margin-top: 10px;">390954 / 390955 / 390956 / 390957 390946 / 390947 / 390949 / 390951 / 390952</div>		
Account Coordinator		Initials: <u>ECP</u>		Date: <u>12/29/23</u>		Workorder: <u>390942 / 390943 / 390944 / 390945</u>	
		Yes	No	Additional Info / Comments			
1.	Is there sufficient volume for all requested analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "No", explain:			
2.	Client contacted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Date: _____ Mode of communication: _____ Issue(s): _____			
3.	All samples accepted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "No" (or "Yes" with resolution), explain:			

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