Testing Engineers & Consultants, Inc.
1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
(248) 588-6200 or (313) T-E-S-T-I-N-G • Fax (248) 588-6232
www.testingengineers.com

TEC Report Number: 62716-01
Date Issued: July 26, 2022

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

Re: District-Wide Drinking Water Screening Sampling and Analysis for Lead and Copper. Sampling Dates: June 21, 2022 and June 23, 2022.

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.

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 89 water samples were collected for this project. One sample set exceeded the EPA Action Level for lead and copper at Pierce Middle School (staff lounge). TEC recommends replacement of the sink fixture at this location.

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.

Scott M. Chandler, CIH, LEED AP
Manager, Industrial Hygiene Services
SMC/sc

APPENDIX A

Grosse Pointe Public Schools
Summary of
Drinking Water Screening Sampling Results
June 21, 2022 and June 23, 2022

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Barnes	1	1P	1st Floor; Bottle Filling Station across from Rm 101	1st	<0.0010	0.18
		1F		F	<0.0010	0.045
	2	2P	1st Floor;Room 104 (Infant Room); Right Sink	1st	0.0041	0.43
		2F		F	0.0013	0.29
Brownell	1	1P	1st Floor; Bottle Filling Station across from Boys Locker Rm	1st	0.0010	0.064
		1F		F	<0.0010	0.024
	3	3P	1st Floor; Faculty Lounge Sink; Cold	1st	0.0051	0.050
		3F		F	<0.0010	0.0056
	4	4P	2nd Floor; Bottle Filling Station across from Rm A59	1st	<0.0010	0.17
		4F		F	<0.0010	0.022
Defer	1	1P	1st Floor; Bottle Filling Station adjacent to Rm 111	1st	<0.0010	0.25
		1F		F	<0.0010	0.086
	2	2P	2nd Floor; Food Prep Sink in Rm 206; Cold	1st	<0.0010	0.22
		2F		F	<0.0010	0.0095
	3	3P	3rd Floor; Bottle Filling Station Outside Rm 311	1st	<0.0010	0.31
		3F		F	<0.0010	0.12

Grosse Pointe Public Schools
Summary of
Drinking Water Screening Sampling Results
June 21, 2022 and June 23, 2022

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Ferry	1	1P	1st Floor; Kitchen Sink; Cold	1st	0.0014	0.0980
		1F		F	<0.0010	0.0065
	2	2P	1st Floor; Bottle Filling Station cross from Rm 102	1st	0.0019	0.0930
		2F		F	<0.0010	0.017
	3	3P	1st Floor; Bottle Filing Station across from Rm 128	1st	<0.0010	0.22
		3F		F	<0.0010	0.048
Kerby	1	1P	1st Floor; Bottle Filling Station outside Rm 23	1st	<0.0010	0.12
		1F		F	0.0010	0.025
	2	2P	1st Floor; Faculty Lounge Sink; Lukewarm	1st	0.0012	0.0270
		2F		F	<0.0010	0.014
	3	3P	1st Floor; Kitchen Sink; Cold	1st	0.0018	0.013
		3F		F	<0.0010	0.0029
Maire	1	1P	1st Floor; Bottle Filler Station near Girls Bathroom	1st	<0.001	0.063
		1F		F	<0.0010	0.024
	2	2P	1st Floor; Kitchen Sink; Cold	1st	<0.0010	0.14
		2F		F	<0.0010	0.069
	3	3P	2nd Floor; Bottle Filling Station across from Rm 200	1st	<0.0010	0.090
		3F		F	<0.001	0.035
Mason	1	1P	1st Floor; Botle Filling Station outside Library	1st	<0.0010	0.076
		1F		F	<0.0010	0.048
	2	2P	1st Floor; Kitchen; Kitchen Sink; Cold	1st	0.0020	0.0012
		2F		F	0.0011	0.0029
	3	3P	2nd Floor; Bottle Filling Station outside Rm 203	1st	<0.001	0.16
		3F		F	<0.0010	0.063

Grosse Pointe Public Schools
Summary of
Drinking Water Screening Sampling Results
June 21, 2022 and June 23, 2022

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Monteith	1	1P	1st Floor; Bottle Filling Station across from Rm 101	1st	<0.0010	0.038
		1F		F	<0.0010	0.018
	2	2P	2nd Floor; Bottle Filling Station outside Rm 202	1st	<0.0010	0.075
		2F		F	<0.0010	0.060
	3	3P	2nd Floor; Faculty Lounge; Sink; Cold	1st	<0.0010	0.033
		3F		F	<0.0010	0.0037
North HS	1	1P	1st Floor; Bottle Filling Station outside Rm A117	1st	<0.0010	0.047
		1F		F	<0.0010	0.013
	3	3P	1st Floor; Bottle Filling Station outside Rm B102	1st	0.0011	0.12
		3F		F	0.0011	0.036
	4	4P	1st Floor; Green Room; Sink; Cold	1st	0.0058	0.15
		4F		F	<0.0010	0.038
	5	5P	1st Floor; Bottle Filling Station across from Rm C107	1st	<0.0010	0.18
		5F		F	<0.0010	0.099
	6	6P	1st Floor; Bottle Filling Station outside Auditorium	1st	<0.0010	0.085
		6F		F	<0.0010	0.040
	7	7P	2nd Floor; Bottle Filling Station outside Rm B216	1st	<0.0010	0.15
		7F		F	<0.0010	0.045
	8	8P	3rd Floor; Bottle Filling Station outside Rm B320	1st	<0.0010	0.27
		8F		F	<0.0010	0.050

Grosse Pointe Public Schools
Summary of
Drinking Water Screening Sampling Results
June 21, 2022 and June 23, 2022

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
Parcells	1	1P	1st Floor; Copy/Coffee Rm; Sink; Cold	1st	0.0016	0.0072
		1F		F	<0.0010	0.0041
	2	2P	1st Floor; Bottle Filling Station outside Room 110	1st	<0.0010	0.12
		2F		F	<0.0010	0.067
	3	3P	1st Floor; Kitchen Area; Food Prep Sink; Cold	1st	0.0061	0.046
		3F		F	<0.0010	0.0027
	4	4P	2nd Floor; Bottle Filling Station outside Rm 206	1st	<0.0010	0.13
		4F		F	<0.0010	0.080
Pierce	1	1P	1st Floor; Bottle Filling Station outside Gymnasium	1st	<0.0010	0.15
		1F		F	<0.0010	0.033
	2	2P	1st Floor; Staff Lounge; Sink; Hot	1st	**0.072**	**5.2**
		2F		F	N/A	N/A
	3	3P	2nd Floor; Bottle Filling Station across from Rm 201	1st	<0.0010	0.16
		3F		F	<0.0010	0.054
Richard	1	1P	1st Floor; Bottle Filling Stationadjacent to Girls Restroom	1st	<0.0010	0.16
		1F		F	<0.0010	0.020
	2	2P	1st Floor; Kitchen Area; Kitchen Sink; Cold	1st	<0.0010	0.16
		2F		F	<0.0010	0.062
	3	3P	2nd Floor; Bottle Filling Station adjacent to Rm 206	1st	<0.0010	0.055
		3F		F	<0.0010	0.02

Grosse Pointe Public Schools
Summary of
Drinking Water Screening Sampling Results
June 21, 2022 and June 23, 2022

School	Location #	Sample ID	Description	Type	Lead, mg/L	Copper, mg/L
South HS	1	1P	1st Floor; Bottle Filling Station across from Auditorium Entrance	1st	<0.0010	0.081
		1F		F	<0.0010	0.034
	2	2P	1st Floor; Bottle Filling Station across from Room 148	1st	<0.0010	0.023
		2F		F	<0.0010	0.040
	4	4P	1st Floor; Bottle Filling Station in Rm 25	1st	<0.0010	0.043
		4F		F	<0.0010	0.021
	5	5P	2nd Floor; Bottle Filling Stationbetween RM 226 & 236	1st	<0.0010	0.064
		5F		F	<0.0010	0.019
	8	8P	2nd Floor; Bottle Filling Station across from Room 248	1st	<0.0010	0.028
		8F		F	<0.0010	0.017

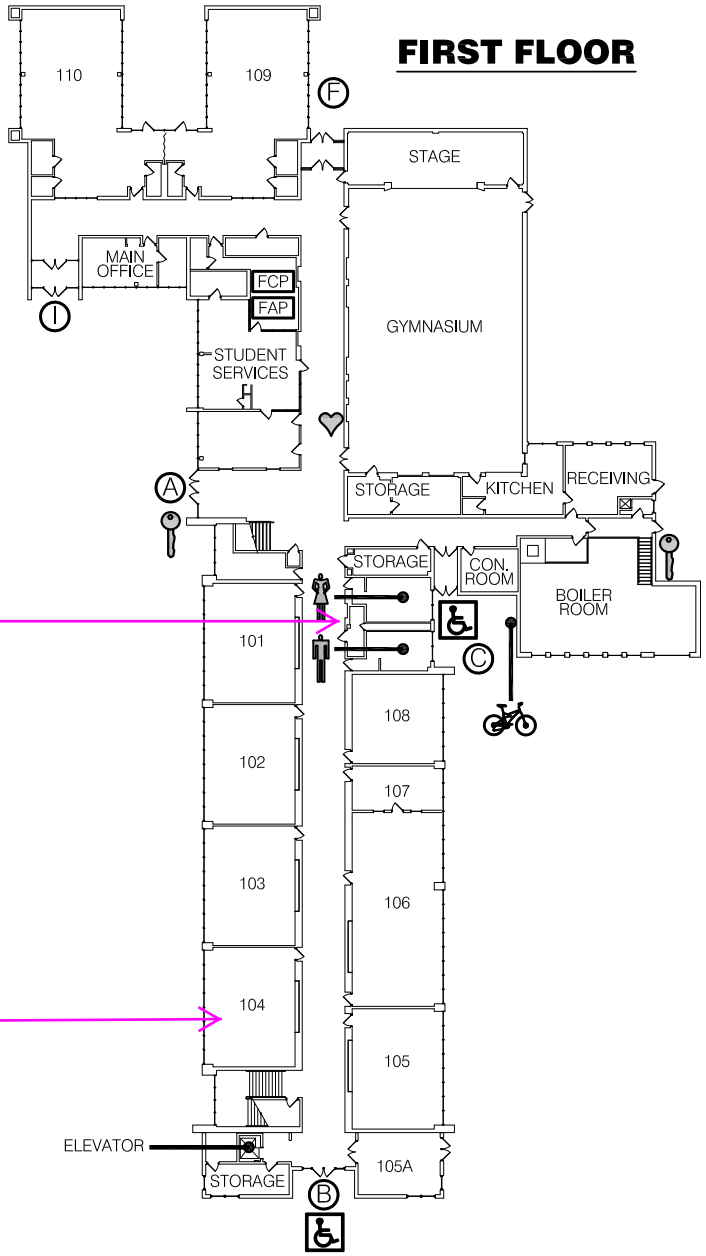
APPENDIX B

Table One
Drinking Water Sampling Results
Barnes Early Childhood Center
20090 Morningside Dr, Grosse Pointe Woods, MI 48236
Sampling Date: June 23, 2022

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Rm 101	1P	1st Draw	Lead	<0.0010
				Copper	0.18
		1F	2 min. flush	Lead	<0.0010
				Copper	0.045
2	1st Floor;Room 104 (Infant Room); Right Sink	2P	1st Draw	Lead	0.0041
				Copper	0.43
		2F	2 min. flush	Lead	0.0013
				Copper	0.29
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 23, 2022

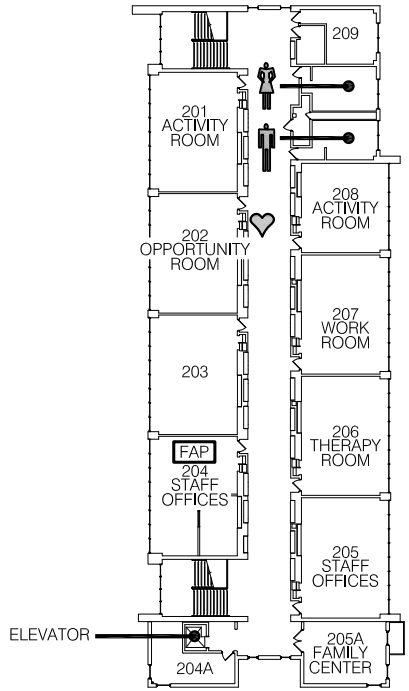
FIRST FLOOR



#1 Bottle Fill

#2 Infant Room Sink

SECOND FLOOR



LEGEND:

- BOYS RESTROOM
- GIRLS RESTROOM
- AUTOMATIC ELECTRICAL DEFIBRILLATOR
- KNOX-BOX
- FCP — FIRE ALARM CONTROL PANEL
- FAP — 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

N

0 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378561
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785610001	Barnes - 1P	Grab	D	06/23/2022 10:50	06/24/2022 08:30	Scott Ch
3785610002	Barnes - 1F	Grab	D	06/23/2022 10:50	06/24/2022 08:30	Scott Ch
3785610003	Barnes - 2P	Grab	D	06/23/2022 11:00	06/24/2022 08:30	Scott Ch
3785610004	Barnes - 2F	Grab	D	06/23/2022 11:00	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785610001	Date Collected:	06/23/2022 10:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785610002	Date Collected:	06/23/2022 10:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785610003	Date Collected:	06/23/2022 11:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.43		mg/L	0.0010		1		1.30	06/28/2022 12:15	RTS
Lead, Total	0.0041		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785610004	Date Collected:	06/23/2022 11:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.29		mg/L	0.0010		1		1.30	06/28/2022 12:15	RTS
Lead, Total	0.0013		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 P 734.462.3900 F 734.462.3911 W www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA Method 200.8

378561
TEC
Testing Engineers & Consulta

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	6/23/22	10:50	✓		Barnes - 1P	DW	1	✓	✓	378561-0001
02	6/23/22	↓	✓		Barnes - 1F	DW	1	✓	✓	↓ -0002
03	6/23/22	11:00	✓		Barnes - 2P	DW	1	✓	✓	-0003
04	6/23/22	↓	✓		Barnes - 2F	DW	1	✓	✓	-0004

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11818	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378561

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

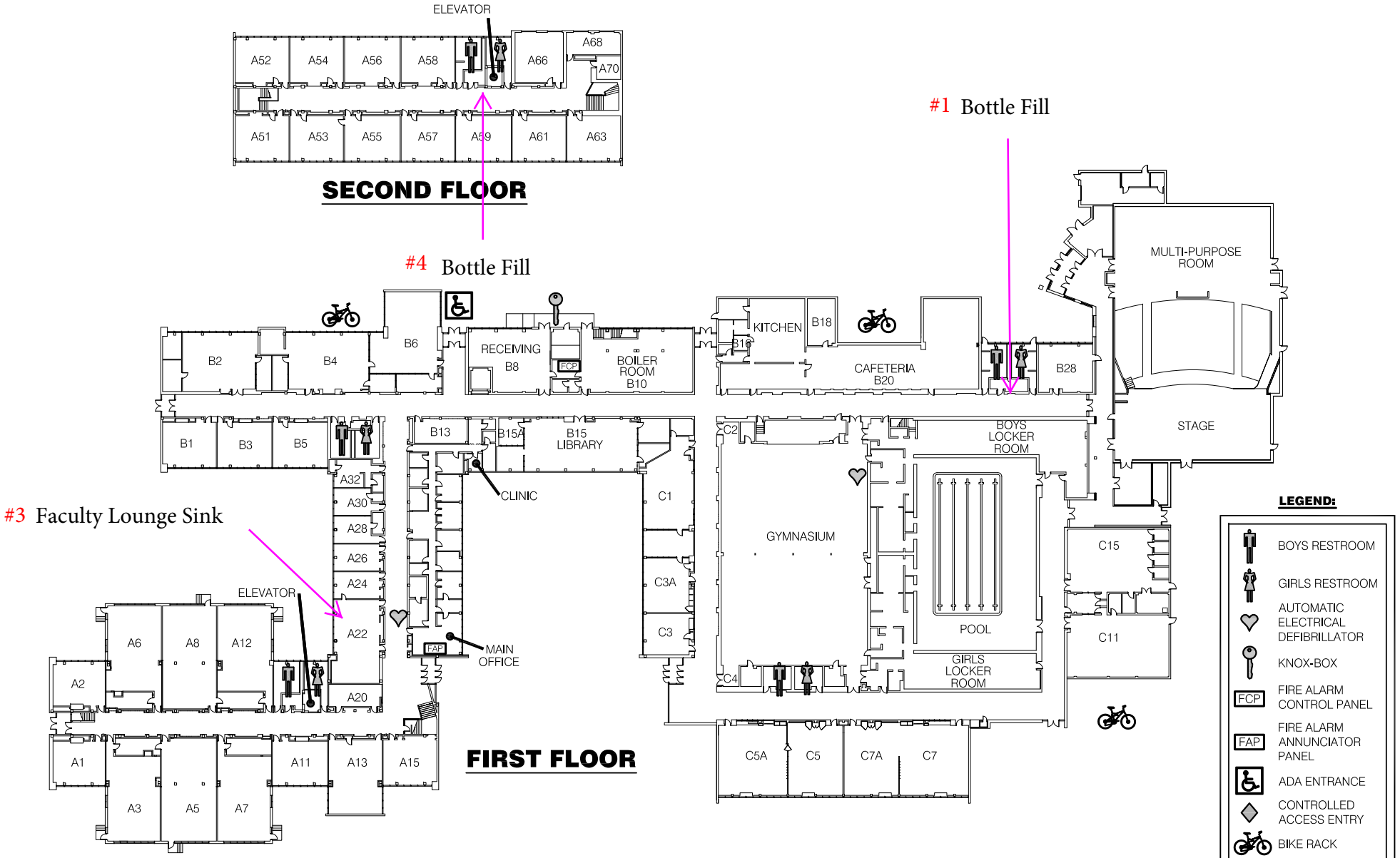
378561
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

APPENDIX C

Table One
Drinking Water Sampling Results
Brownell Middle School; Grosse Pointe Public Schools
260 Chalfonte Ave, Grosse Pointe, MI 48236
Sampling Date: June 21, 2022

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	0.064
		1F	2 min. flush	Lead	<0.0010
				Copper	0.024
3	1st Floor; Faculty Lounge Sink; Cold	3P	1st Draw	Lead	0.0051
				Copper	0.050
		3F	2 min. flush	Lead	<0.0010
				Copper	0.0056
4	2nd Floor; Bottle Filling Station across from Rm A59	4P	1st Draw	Lead	<0.0010
				Copper	0.17
		4F	2 min. flush	Lead	<0.0010
				Copper	0.022
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L



Brownell Middle School

260 Chalfonte
Grosse Pointe Farms MI 48236
313.432.3900

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378561
Project Name: 62716-01
Purchase Order: 62716-01

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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
Account Coordination Team Leader

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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.

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3785610003	Barnes - 2P	Grab	D	06/23/2022 11:00	06/24/2022 08:30	Scott Ch
3785610004	Barnes - 2F	Grab	D	06/23/2022 11:00	06/24/2022 08:30	Scott Ch

WORKORDER SUMMARY

Accreditations

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Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785610001	Date Collected:	06/23/2022 10:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785610002	Date Collected:	06/23/2022 10:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785610003	Date Collected:	06/23/2022 11:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.43		mg/L	0.0010		1		1.30	06/28/2022 12:15	RTS
Lead, Total	0.0041		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785610004	Date Collected:	06/23/2022 11:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Barnes - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.29		mg/L	0.0010		1		1.30	06/28/2022 12:15	RTS
Lead, Total	0.0013		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 P 734.462.3900 F 734.462.3911 W www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA Method 200.8

378561
TEC
Testing Engineers & Consulta

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	6/23/22	10:50	✓		Barnes - 1P	DW	1	✓	✓	378561-0001
02	6/23/22	↓	✓		Barnes - 1F	DW	1	✓	✓	↓ -0002
03	6/23/22	11:00	✓		Barnes - 2P	DW	1	✓	✓	-0003
04	6/23/22	↓	✓		Barnes - 2F	DW	1	✓	✓	-0004

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11818	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378561

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

378561
TEC
Testing Engineers & Consulta

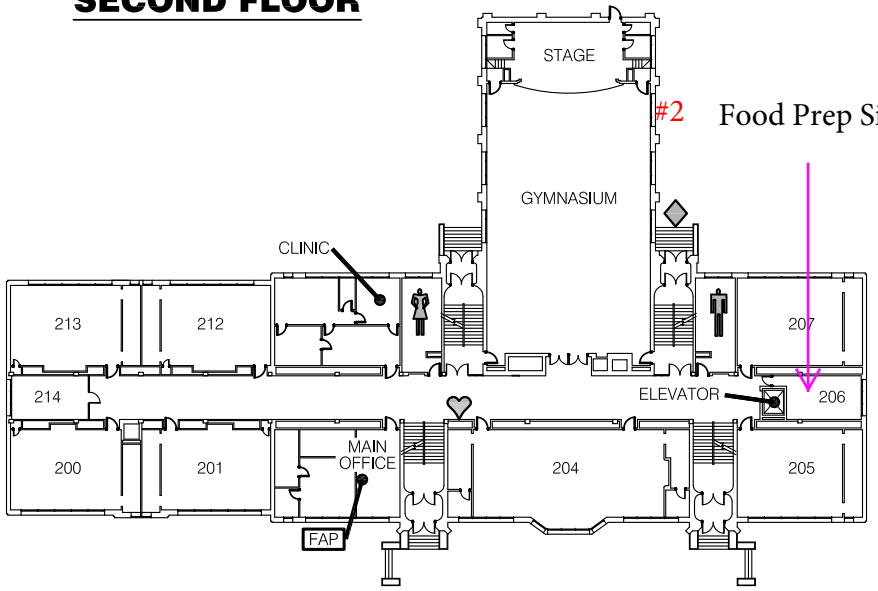
*Refer to REF-N0008A

APPENDIX D

Table One
Drinking Water Sampling Results
Defer Elementary School, Grosse Pointe Public Schools
15425 Kercheval Ave Grosse Pointe, MI 48230
Sampling Date: June 21, 2022

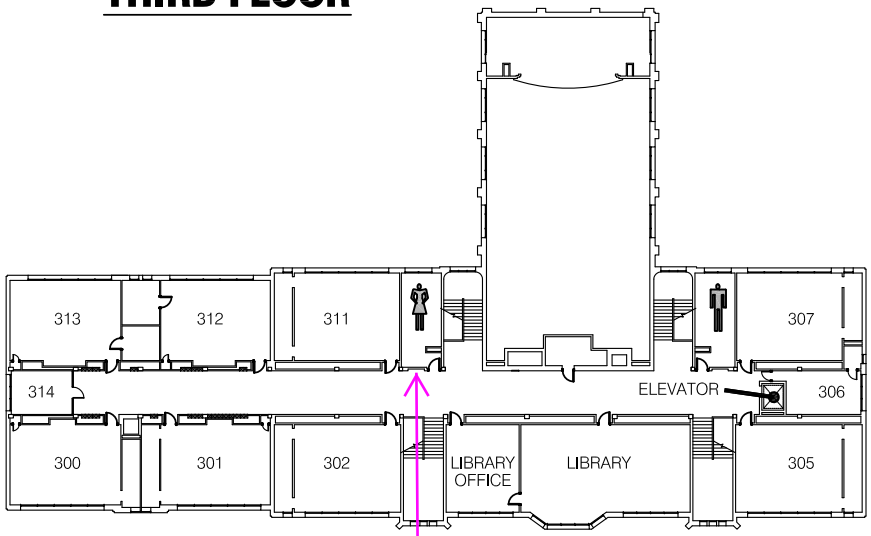
Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station adjacent to Rm 111	1P	1st Draw	Lead	<0.0010
				Copper	0.25
		1F	2 min. flush	Lead	<0.0010
				Copper	0.086
2	2nd Floor; Food Prep Sink in Rm 206; cold	2P	1st Draw	Lead	<0.0010
				Copper	0.22
		2F	2 min. flush	Lead	<0.0010
				Copper	0.0095
3	3rd Floor; Bottle Filling Station Outside Rm 311	3P	1st Draw	Lead	<0.0010
				Copper	0.31
		3F	2 min. flush	Lead	<0.0010
				Copper	0.12
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

SECOND FLOOR



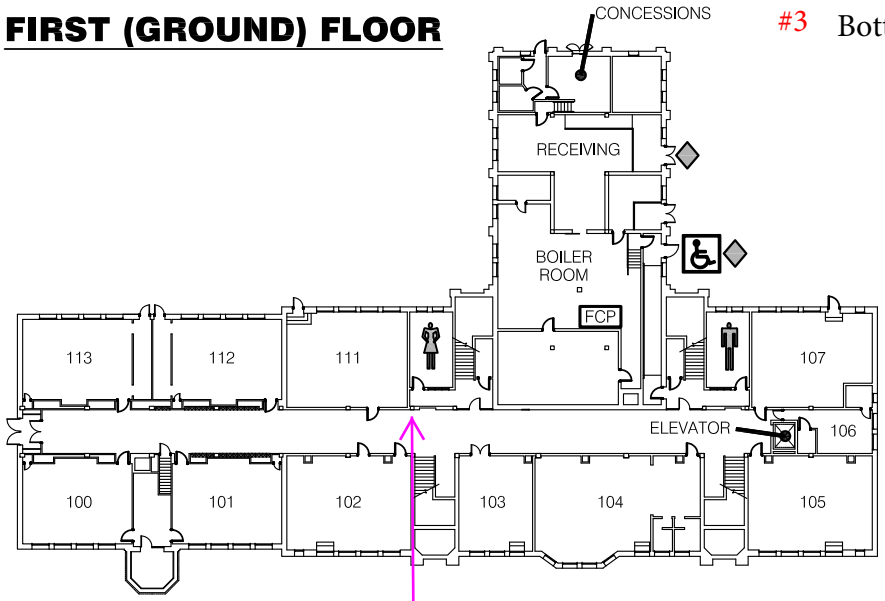
#2 Food Prep Sink

THIRD FLOOR



#3 Bottle Fill

FIRST (GROUND) FLOOR



#1 Bottle Fill

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

LEGEND:

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

Defer Elementary School

15425 Kercheval
Grosse Pointe Park, MI 48230
313.432.4000

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

N

0 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378554
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785540001	Defer - 1P	Grab	D	06/21/2022 08:10	06/24/2022 08:30	Scott Ch
3785540002	Defer - 1F	Grab	D	06/21/2022 08:10	06/24/2022 08:30	Scott Ch
3785540003	Defer - 2P	Grab	D	06/21/2022 08:20	06/24/2022 08:30	Scott Ch
3785540004	Defer - 2F	Grab	D	06/21/2022 08:20	06/24/2022 08:30	Scott Ch
3785540005	Defer - 3P	Grab	D	06/21/2022 08:30	06/24/2022 08:30	Scott Ch
3785540006	Defer - 3F	Grab	D	06/21/2022 08:30	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785540001	Date Collected:	06/21/2022 08:10	Matrix:	Drinking Water, Potable (D)
Sample ID:	Defer - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.25		mg/L	0.0010		1		1.30	06/28/2022 10:30	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:30	RTS

ANALYTICAL RESULTS

Lab ID:	3785540002	Date Collected:	06/21/2022 08:10	Matrix:	Drinking Water, Potable (D)
Sample ID:	Defer - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.086		mg/L	0.0010		1		1.30	06/28/2022 10:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785540003	Date Collected:	06/21/2022 08:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	Defer - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785540004	Date Collected:	06/21/2022 08:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	Defer - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0095		mg/L	0.0010		1		1.30	06/28/2022 10:45	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:45	RTS

ANALYTICAL RESULTS

Lab ID:	3785540005	Date Collected:	06/21/2022 08:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Defer - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.31		mg/L	0.0010		1		1.30	06/28/2022 10:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785540006	Date Collected:	06/21/2022 08:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Defer - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.12		mg/L	0.0010		1		1.30	06/28/2022 10:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:50	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 P 734.462.3900 F 734.462.3911 W www.paragonlaboratories.com

Client Name: Testing Engineers and Consultents, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: USE EPA METHOD 200.8

378554
TEC
Testing Engineers & Consulta

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	6/21/22	8:10	✓		Defer - 1P	DW	1	✓	✓	378554-0001
02	6/21/22	"	✓		Defer - 1F	DW	1	✓	✓	-0002
03	6/21/22	8:20	✓		Defer - 2P	DW	1	✓	✓	-0003
04	6/21/22	"	✓		Defer - 2F	DW	1	✓	✓	-0004
05	6/21/22	8:30	✓		Defer - 3P	DW	1	✓	✓	-0005
06	6/21/22	"	✓		Defer - 3F	DW	1	✓	✓	-0006

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/24/2022	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378554

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

*Refer to REF-N0008A

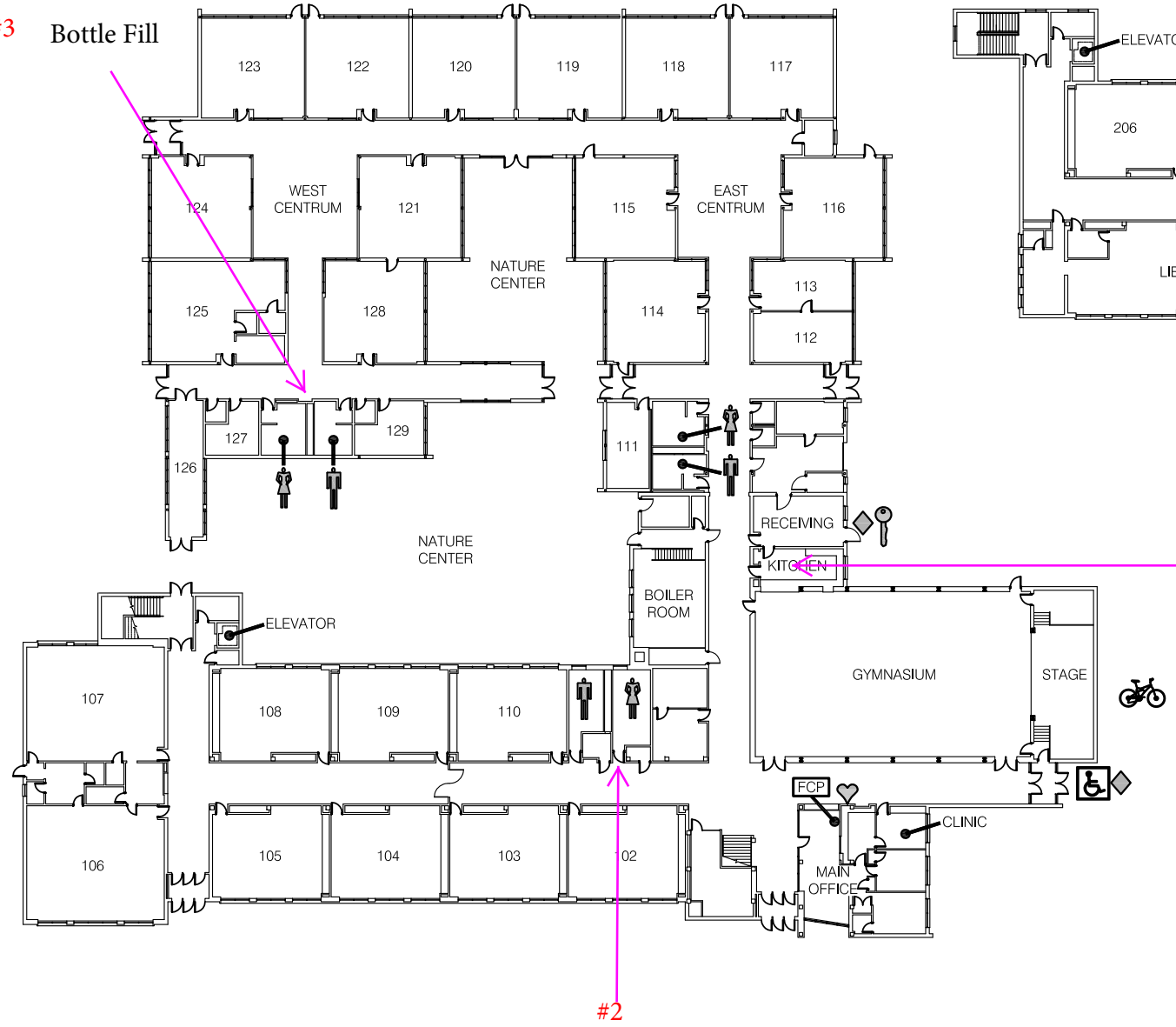
APPENDIX E

Table One
Drinking Water Sampling Results
Ferry Elementary School, Grosse Pointe Public Schools
748 Roslyn Rd, Grosse Pointe Woods, MI 48236
Sampling Date: June 23, 2022

Locations	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Kitchen Sink; cold	1P	1st Draw	Lead	0.0014
				Copper	0.0980
		1F	2 min. flush	Lead	<0.0010
				Copper	0.0065
2	1st Floor; Bottle Filling Station across from Rm 102	2P	1st Draw	Lead	0.0019
				Copper	0.0930
		2F	2 min. flush	Lead	<0.0010
				Copper	0.017
3	1st Floor; Bottle Filing Station across from Rm 128	3P	1st Draw	Lead	<0.0010
				Copper	0.2200
		3F	2 min. flush	Lead	<0.0010
				Copper	0.048
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

FIRST FLOOR

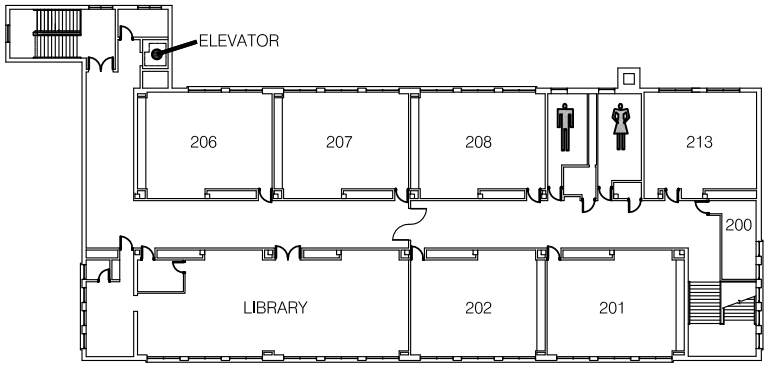
#3 Bottle Fill



Kitchen Sink #1

#2 Bottle Fill

SECOND FLOOR



LEGEND:

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

Ferry Elementary School

748 Roslyn
Grosse Pointe Woods, MI 48236
313.432.4100

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 23, 2022

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

N

0 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378562
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785620001	Ferry - 1P	Grab	D	06/23/2022 08:45	06/24/2022 08:30	Scott Ch
3785620002	Ferry - 1F	Grab	D	06/23/2022 08:45	06/24/2022 08:30	Scott Ch
3785620003	Ferry - 2P	Grab	D	06/23/2022 08:50	06/24/2022 08:30	Scott Ch
3785620004	Ferry - 2F	Grab	D	06/23/2022 08:50	06/24/2022 08:30	Scott Ch
3785620005	Ferry - 3P	Grab	D	06/23/2022 09:00	06/24/2022 08:30	Scott Ch
3785620006	Ferry - 3F	Grab	D	06/23/2022 09:00	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785620001	Date Collected:	06/23/2022 08:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	Ferry - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.098		mg/L	0.0010		1		1.30	06/28/2022 12:25	RTS
Lead, Total	0.0014		mg/L	0.0010		1		0.0150	06/28/2022 12:25	RTS

ANALYTICAL RESULTS

Lab ID:	3785620002	Date Collected:	06/23/2022 08:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	Ferry - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785620003	Date Collected:	06/23/2022 08:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Ferry - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.093		mg/L	0.0010		1		1.30	06/29/2022 09:15	RTS
Lead, Total	0.0019		mg/L	0.0010		1		0.0150	06/29/2022 09:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785620004	Date Collected:	06/23/2022 08:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Ferry - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785620005	Date Collected:	06/23/2022 09:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Ferry - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785620006	Date Collected:	06/23/2022 09:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Ferry - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.048		mg/L	0.0010		1		1.30	06/29/2022 09:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:15	RTS

CHAIN-OF-CUSTODY RECORD

PARAGON LABORATORIES

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks:

Use EPA method 200.8

378562
TEC
Testing Engineers & Consulta

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	6/23/22	8:45	✓		Ferry-1P	DW	1	✓	✓	378562-0001
02	6/23/22	"	✓		Ferry-1F	DW	1	✓	✓	-0002
03	6/23/22	8:50	✓		Ferry-2P	DW	1	✓	✓	-0003
04	6/23/22	"	✓		Ferry-2F	DW	1	✓	✓	-0004
05	6/23/22	9:00	✓		Ferry-3P	DW	1	✓	✓	-0005
06	6/23/22	"	✓		Ferry-3F	DW	1	✓	✓	

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ (Client drop-off) Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): (Natural ice) (Blue ice) Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378562

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

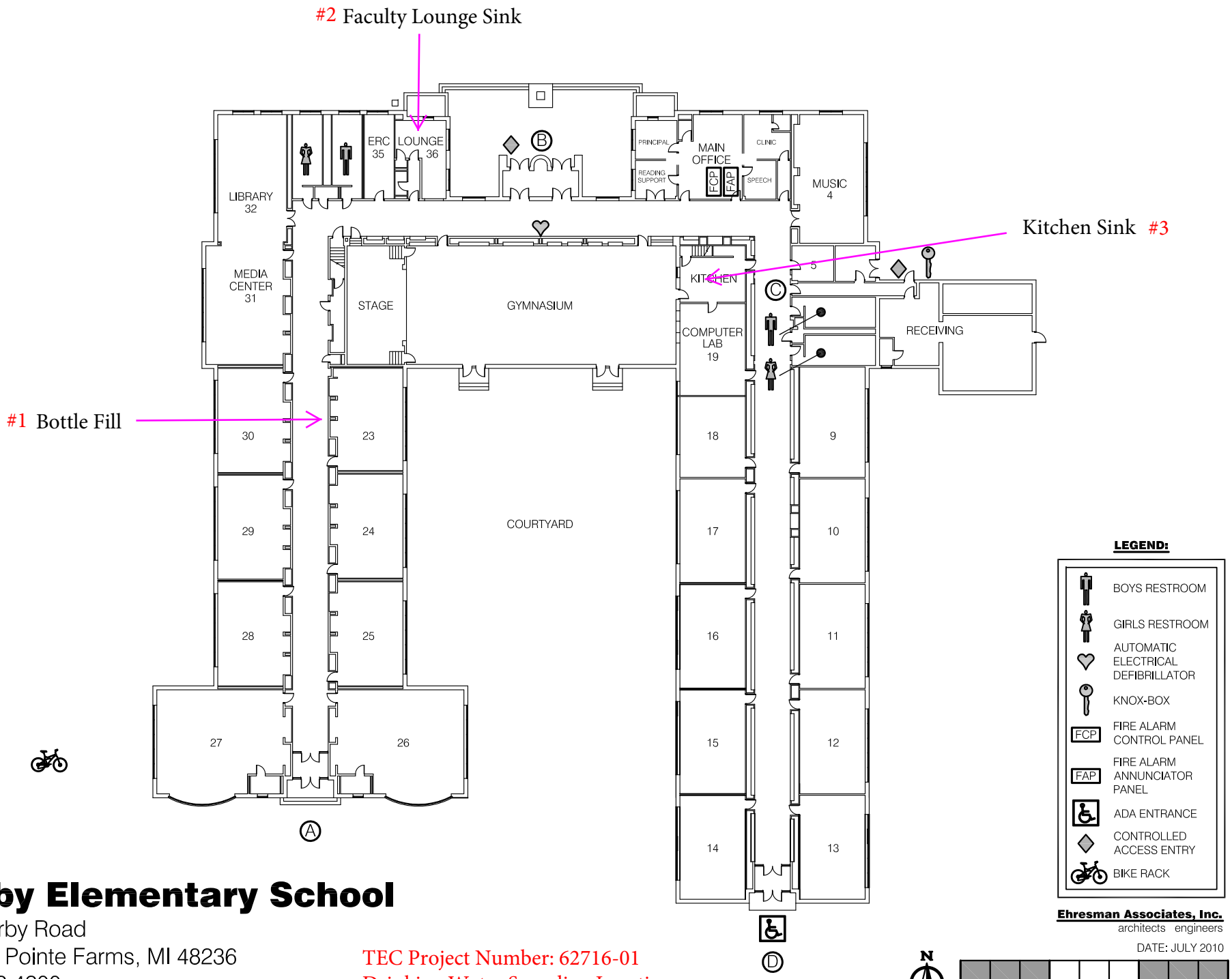
378562
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

APPENDIX F

Table One
Drinking Water Sampling Results
Kerby Elementary School, Grosse Pointe Public Schools
285 Kerby Rd, Grosse Pointe, MI 48236
Sampling Date: June 21, 2022

Location	Description	Cust.Sample ID	Type	Cmp	Result
1	1st Floor; Bottle Filling Station outside Rm 23	1P	1st Draw	Lead	<0.0010
				Copper	0.12
		1F	2 min. flush	Lead	<0.0010
				Copper	0.025
2	1st Floor; Faculty Lounge Sink; Lukewarm	2P	1st Draw	Lead	0.0012
				Copper	0.027
		2F	2 min. flush	Lead	<0.0010
				Copper	0.014
3	1st Floor; Kitchen Sink; Cold	3P	1st Draw	Lead	0.0018
				Copper	0.013
		3F	2 min. flush	Lead	<0.0010
				Copper	0.0029
		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

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378549
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785490001	Kerby - 1P	Grab	D	06/21/2022 11:45	06/24/2022 08:30	Scott Ch
3785490002	Kerby - 1F	Grab	D	06/21/2022 11:45	06/24/2022 08:30	Scott Ch
3785490003	Kerby - 2P	Grab	D	06/21/2022 11:50	06/24/2022 08:30	Scott Ch
3785490004	Kerby - 2F	Grab	D	06/21/2022 11:50	06/24/2022 08:30	Scott Ch
3785490005	Kerby - 3P	Grab	D	06/21/2022 12:00	06/24/2022 08:30	Scott Ch
3785490006	Kerby - 3F	Grab	D	06/21/2022 12:00	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785490001	Date Collected:	06/21/2022 11:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	Kerby - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.12		mg/L	0.0010		1		1.30	06/28/2022 10:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785490002	Date Collected:	06/21/2022 11:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	Kerby - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785490003	Date Collected:	06/21/2022 11:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Kerby - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:05	RTS
Lead, Total	0.0012		mg/L	0.0010		1		0.0150	06/28/2022 10:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785490004	Date Collected:	06/21/2022 11:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Kerby - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785490005	Date Collected:	06/21/2022 12:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Kerby - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:05	RTS
Lead, Total	0.0018		mg/L	0.0010		1		0.0150	06/28/2022 10:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785490006	Date Collected:	06/21/2022 12:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Kerby - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:05	RTS

CHAIN-OF-CUSTODY RECORD

PARAGON LABORATORIES

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Page ___ of ___

Client Name: Testing Engineers & Consultents, Inc.

Contact Person: Scott Chandler

Mailing Address: 1343 Rochester Rd

City, State, Zip: Troy, MI, 48083

Phone and Fax: 248-755-1557

Email: schandler@tectest.com

Client Job Name / No.: 62716-01

Job Location: ———

WSSN #: ——— PIN #: ———

Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA method 200.8

378549 TEC Testing Engineers & Consulta

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	06/21/22	11:45	✓		Kerby-1P	DW	1	✓	✓	378549-0001
02	06/21/22	↓	✓		Kerby-1F	DW	1	✓	✓	↓ -0002
03	06/21/22	11:50	✓		Kerby-2P	DW	1	✓	✓	-0003
04	06/21/22	↓	✓		Kerby-2F	DW	1	✓	✓	-0004
05	06/21/22	12:00	✓		Kerby-3P	DW	1	✓	✓	-0005
06	06/21/22	↓	✓		Kerby-3F	DW	1	✓	✓	-0006

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/22/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:

	Additional Criteria - Environmental Samples*	Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings:			✓	Notes or additional pH readings:
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378549

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

378549
TEC
Testing Engineers & Consulta

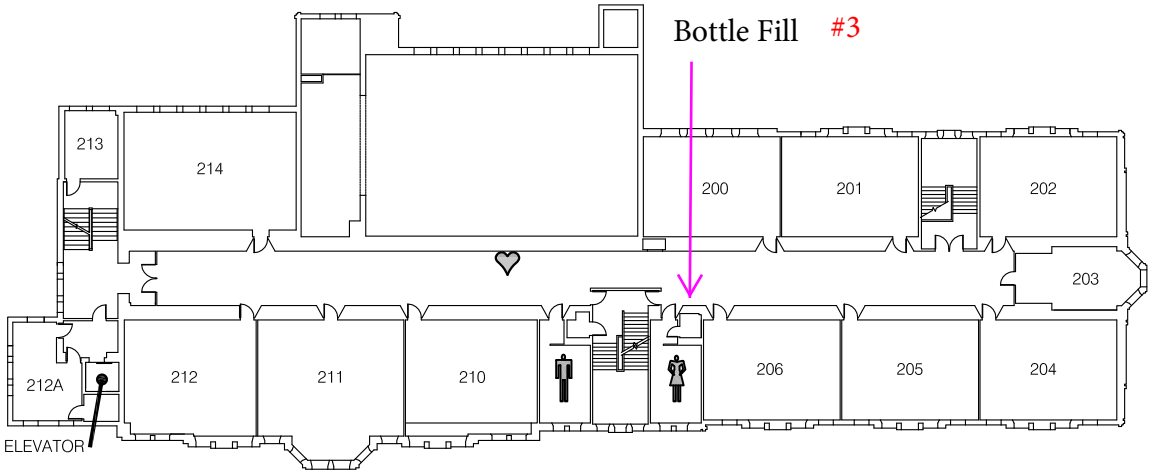
*Refer to REF-N0008A

APPENDIX G

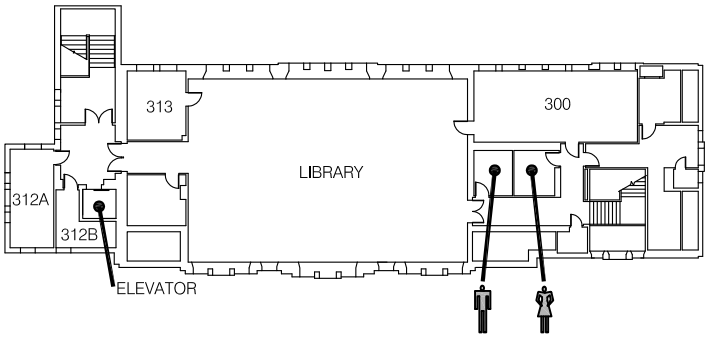
Table One
Drinking Water Sampling Results
Maire Elementary School, Grosse Pointe Public Schools
740 Cadieux Rd, Grosse Pointe, MI 48230
Sampling Date: June 21, 2022

Location	Description	Cust.Sample ID	Type	Cmp	Result
1	1st Floor; Bottle Filling Station near Girls Bathroom	1P	1st Draw	Lead	<0.0010
				Copper	0.063
		1F	2 min. flush	Lead	<0.0010
				Copper	0.024
2	1st Floor; Kitchen Sink; cold	2P	1st Draw	Lead	<0.0010
				Copper	0.14
		2F	2 min. flush	Lead	<0.0010
				Copper	0.069
3	2nd Floor; Bottle Filling Station across from Rm 200.	3P	1st Draw	Lead	<0.0010
				Copper	0.090
		3F	2 min. flush	Lead	<0.0010
				Copper	0.035
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

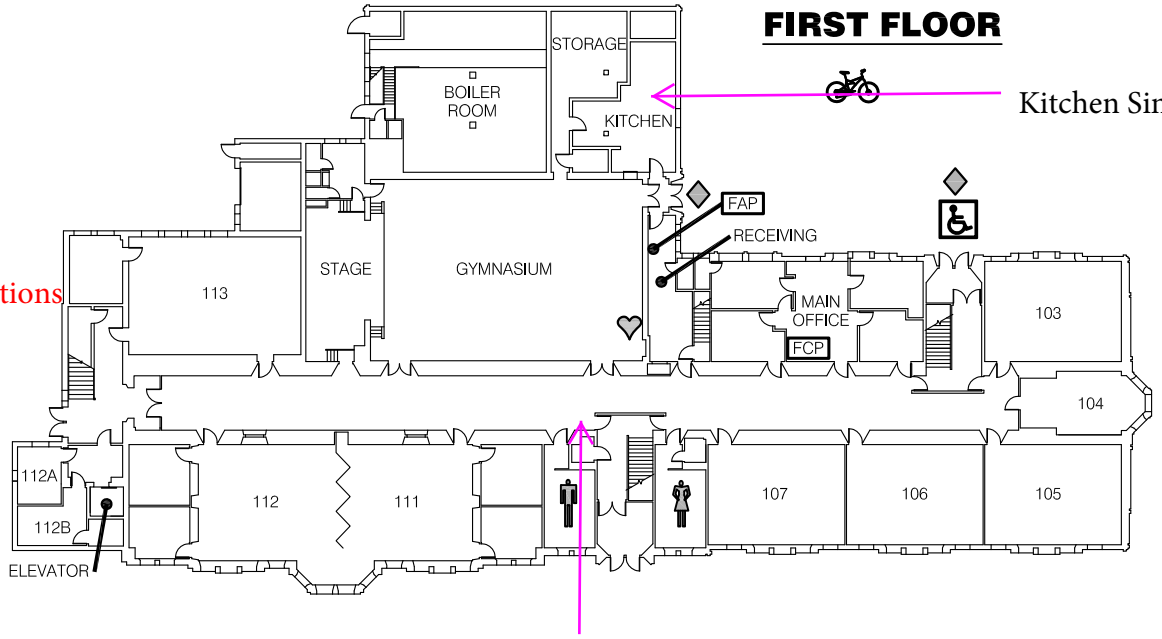
SECOND FLOOR



THIRD FLOOR



FIRST FLOOR



TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

LEGEND:

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

Maire Elementary School

740 Cadieux
Grosse Pointe, MI 48230
313.432.4300

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

N

0 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378555
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785550001	Maire - 1P	Grab	D	06/21/2022 08:50	06/24/2022 08:30	Scott Ch
3785550002	Maire - 1F	Grab	D	06/21/2022 08:50	06/24/2022 08:30	Scott Ch
3785550003	Maire - 2 P	Grab	D	06/21/2022 08:55	06/24/2022 08:30	Scott Ch
3785550004	Maire - 2F	Grab	D	06/21/2022 08:55	06/24/2022 08:30	Scott Ch
3785550005	Maire - 3P	Grab	D	06/21/2022 09:00	06/24/2022 08:30	Scott Ch
3785550006	Maire - 3F	Grab	D	06/21/2022 09:00	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785550001	Date Collected:	06/21/2022 08:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Maire - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785550002	Date Collected:	06/21/2022 08:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Maire - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785550003	Date Collected:	06/21/2022 08:55	Matrix:	Drinking Water, Potable (D)
Sample ID:	Maire - 2 P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785550004	Date Collected:	06/21/2022 08:55	Matrix:	Drinking Water, Potable (D)
Sample ID:	Maire - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785550005	Date Collected:	06/21/2022 09:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Maire - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.090		mg/L	0.0010		1		1.30	06/28/2022 10:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785550006	Date Collected:	06/21/2022 09:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Maire - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:55	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 P 734.462.3900 F 734.462.3911 W www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks:
Use EPA method 200.8

378555
TEC
Testing Engineers & Consulta

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	6/21/22	8:50	✓		Maire - 1P	DW	1	✓	✓	378555-0001
02	6/21/22	L	✓		Maire - 1F	DW	1	✓	✓	-0002
03	6/21/22	8:55	✓		Maire - 2P	DW	1	✓	✓	-0003
04	6/21/22	L	✓		Maire - 2F	DW	1	✓	✓	-0004
05	6/21/22	9:00	✓		Maire - 3P	DW	1	✓	✓	-0005
06	6/21/22	L	✓		Maire - 3F	DW	1	✓	✓	-0006

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/24/22	830
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ (Client drop-off) Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): (Natural ice) (Blue ice) Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378555

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

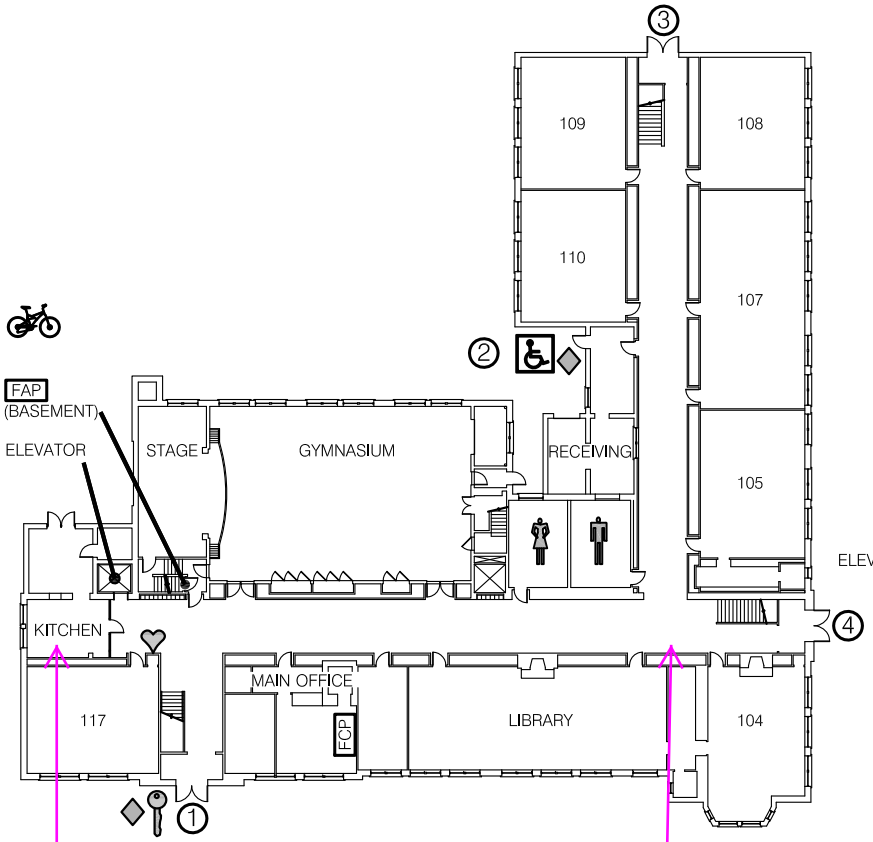
378555
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

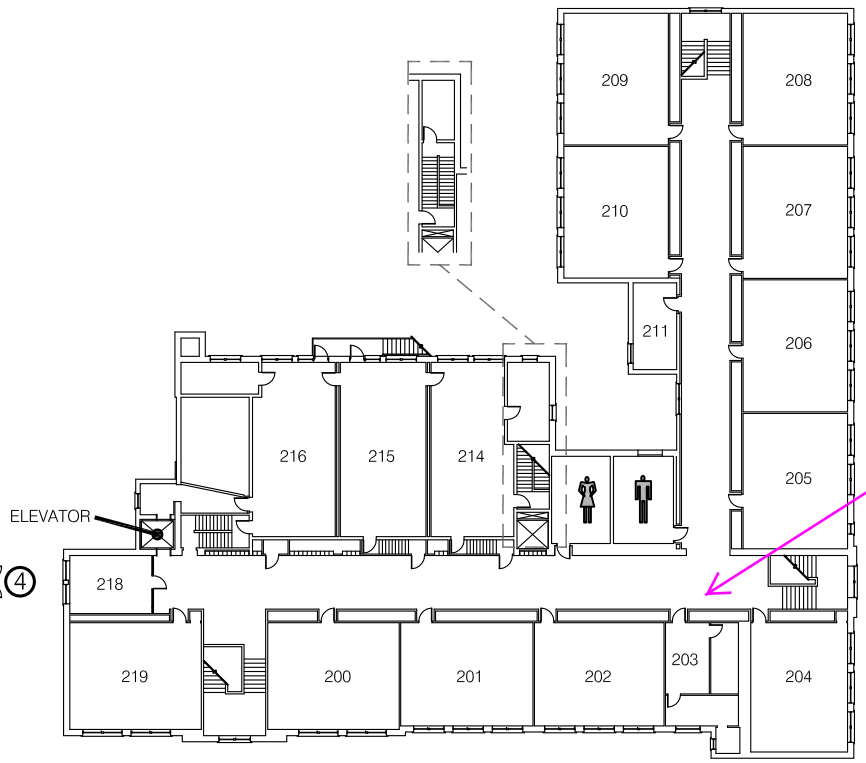
APPENDIX H

Table One
Drinking Water Sampling Results
Mason Elementary School, Grosse Pointe Public Schools
1640 Vernier Rd, Grosse Pointe, MI 48236
Sampling Date: June 23, 2022

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	0.076
		1F	2 min. flush	Lead	<0.0010
				Copper	0.048
2	1st Floor; Kitchen; Kitchen Sink; cold	2P	1st Draw	Lead	0.0020
				Copper	0.012
		2F	2 min. flush	Lead	0.0011
				Copper	0.0029
3	2nd Floor; Bottle Filling Station outside Rm 203	3P	1st Draw	Lead	<0.0010
				Copper	0.16
		3F	2 min. flush	Lead	<0.0010
				Copper	0.063
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L



FIRST FLOOR



SECOND FLOOR

#1 Bottle Fill

#2Kitchen Sink

Bottle Fill #3

LEGEND:

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

Mason Elementary School

1640 Vernier Road
Grosse Pointe Woods, MI 48236
313.432.4400

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

N

0' 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378557
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785570001	Mason - 1P	Grab	D	06/23/2022 08:00	06/24/2022 08:30	Scott Ch
3785570002	Mason - 1F	Grab	D	06/23/2022 08:00	06/24/2022 08:30	Scott Ch
3785570003	Mason - 2P	Grab	D	06/23/2022 08:15	06/24/2022 08:30	Scott Ch
3785570004	Mason - 2F	Grab	D	06/23/2022 08:15	06/24/2022 08:30	Scott Ch
3785570005	Mason - 3P	Grab	D	06/23/2022 08:25	06/24/2022 08:30	Scott Ch
3785570006	Mason - 3F	Grab	D	06/23/2022 08:25	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785570001	Date Collected:	06/23/2022 08:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Mason - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:25	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:25	RTS

ANALYTICAL RESULTS

Lab ID:	3785570002	Date Collected:	06/23/2022 08:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Mason - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.048		mg/L	0.0010		1		1.30	06/28/2022 11:25	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:25	RTS

ANALYTICAL RESULTS

Lab ID:	3785570003	Date Collected:	06/23/2022 08:15	Matrix:	Drinking Water, Potable (D)
Sample ID:	Mason - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:25	RTS
Lead, Total	0.0020		mg/L	0.0010		1		0.0150	06/28/2022 11:25	RTS

ANALYTICAL RESULTS

Lab ID:	3785570004	Date Collected:	06/23/2022 08:15	Matrix:	Drinking Water, Potable (D)
Sample ID:	Mason - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:25	RTS
Lead, Total	0.0011		mg/L	0.0010		1		0.0150	06/28/2022 11:25	RTS

ANALYTICAL RESULTS

Lab ID:	3785570005	Date Collected:	06/23/2022 08:25	Matrix:	Drinking Water, Potable (D)
Sample ID:	Mason - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:25	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:25	RTS

ANALYTICAL RESULTS

Lab ID:	3785570006	Date Collected:	06/23/2022 08:25	Matrix:	Drinking Water, Potable (D)
Sample ID:	Mason - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:35	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA Method 200.8

378557 TEC Testing Engineers & Consulta

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	6/23/22	8:00	✓		Mason - 1P	DW	1	✓	✓	378557-0001
02	6/23/22	"	✓		Mason - 1F	DW	1	✓	✓	-0002
03	6/23/22	8:15	✓		Mason - 2P	DW	1	✓	✓	-0003
04	6/23/22	"	✓		Mason - 2F	DW	1	✓	✓	-0004
05	6/23/22	8:25	✓		Mason - 3P	DW	1	✓	✓	-0005
06	6/23/22	"	✓		Mason - 3F	DW	1	✓	✓	-0006

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JAC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:

	Additional Criteria - Environmental Samples*	Yes	No	n/a	Additional Info / Comments
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378557

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?	X	✓	Date: 06/24/22 Mode of communication: phone - client contacted to confirm TAT - they would like to proceed with a 5-day TAT at this time - ECP 06/24/22 Issue(s): TAT on COC
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

378557
TEC
Testing Engineers & Consulta

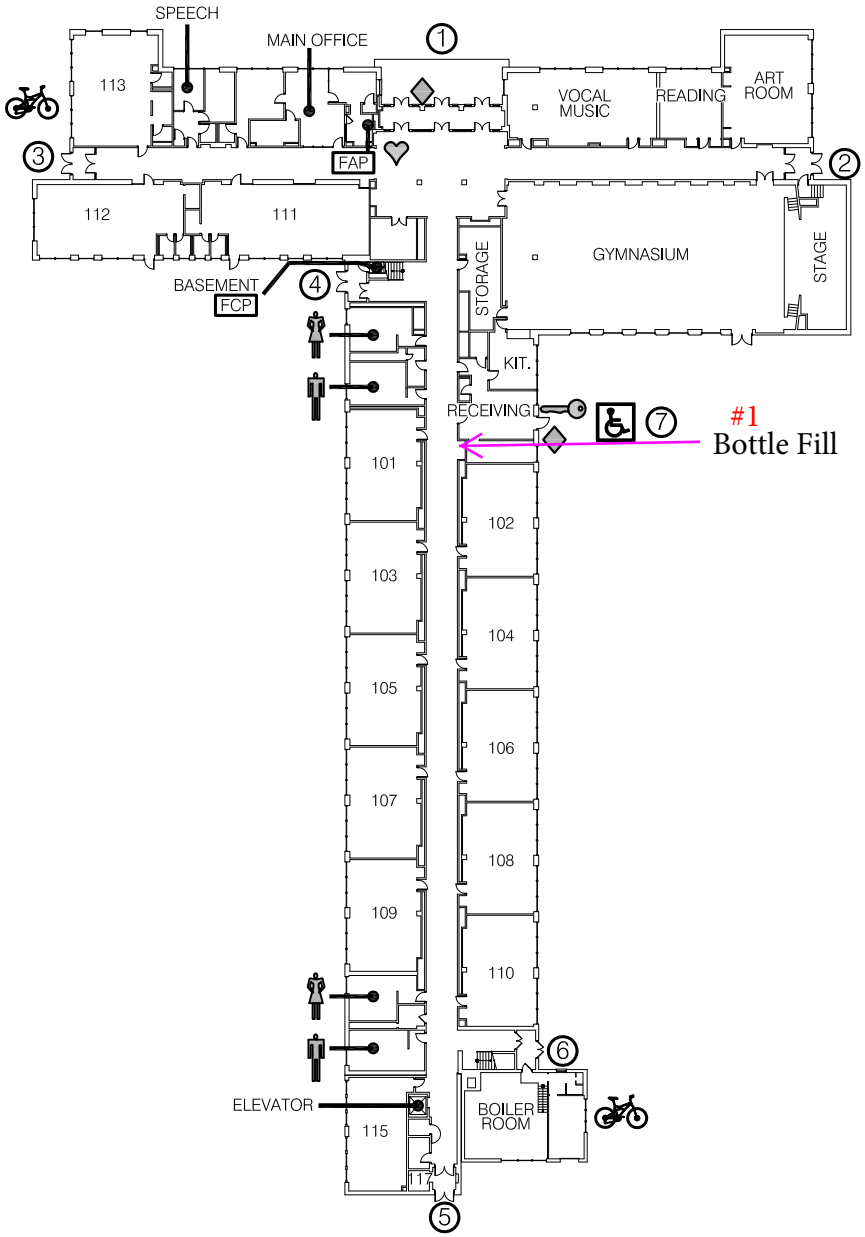
*Refer to REF-N0008A

APPENDIX I

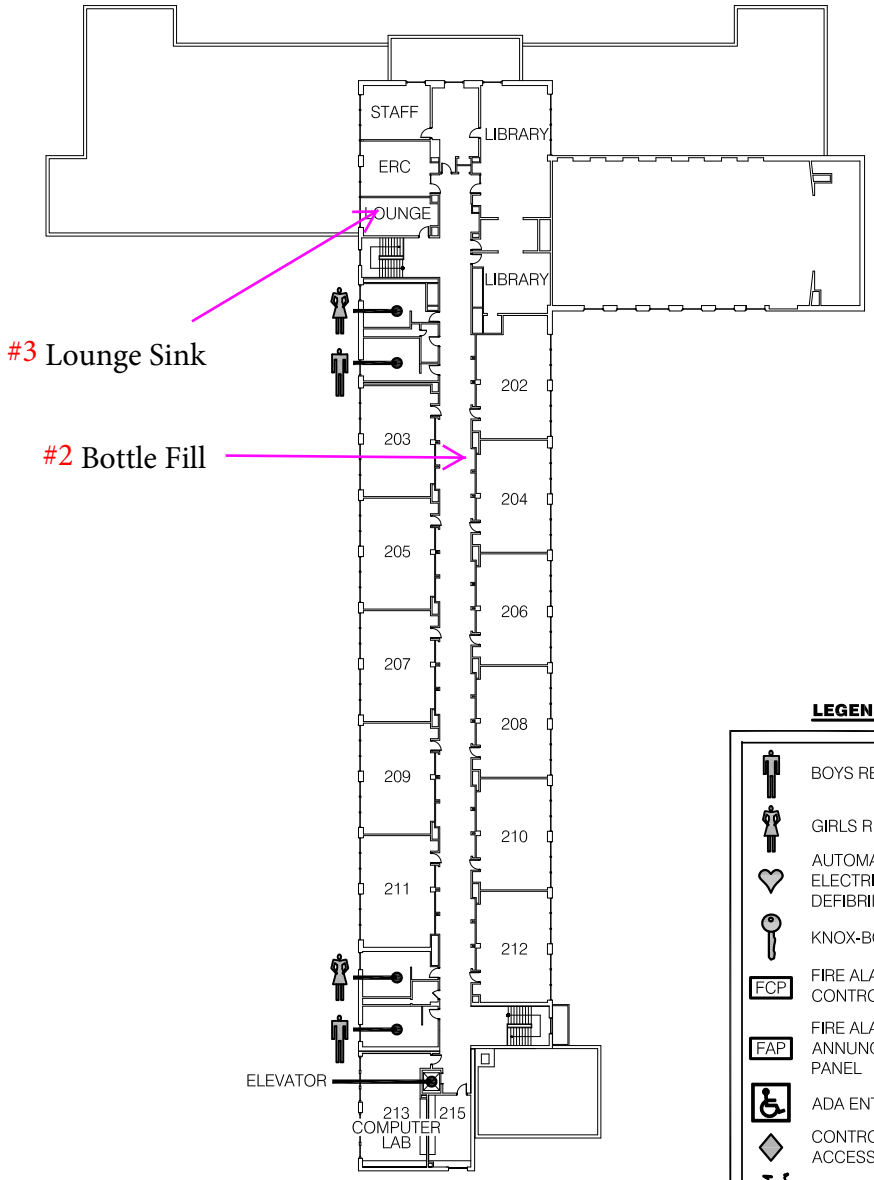
Table One
Drinking Water Sampling Results
Monteith Elementary School, Grosse Pointe Public Schools
1275 Cook Rd, Grosse Pointe Woods, MI 48236
Sampling Date: June 23, 2022

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Rm 101	1P	1st draw	Lead	<0.0010
				Copper	0.038
		1F	2 min. flush	Lead	<0.0010
				Copper	0.018
2	2nd Floor; Bottle Filling Station outside Rm 202	2P	1st draw	Lead	<0.0010
				Copper	0.075
		2F	2 min. flush	Lead	<0.0010
				Copper	0.060
3	2nd Floor; Faculty Lounge; Sink; cold	3P	1st draw	Lead	<0.0010
				Copper	0.033
		3F	2 min. flush	Lead	<0.0010
				Copper	0.0037
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

FIRST FLOOR



SECOND FLOOR



LEGEND:

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

Monteith Elementary School

1275 Cook Road
Grosse Pointe Woods, MI 48236
313.432.4500

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 23, 2022

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

N

0 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378565
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785650001	Monteith - 1P	Grab	D	06/23/2022 11:50	06/24/2022 08:30	Scott Ch
3785650002	Monteith - 1F	Grab	D	06/23/2022 11:50	06/24/2022 08:30	Scott Ch
3785650003	Monteith - 2P	Grab	D	06/23/2022 11:55	06/24/2022 08:30	Scott Ch
3785650004	Monteith - 2F	Grab	D	06/23/2022 11:55	06/24/2022 08:30	Scott Ch
3785650005	Monteith - 3P	Grab	D	06/23/2022 12:00	06/24/2022 08:30	Scott Ch
3785650006	Monteith - 3F	Grab	D	06/23/2022 12:00	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785650001	Date Collected:	06/23/2022 11:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Monteith - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785650002	Date Collected:	06/23/2022 11:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	Monteith - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785650003	Date Collected:	06/23/2022 11:55	Matrix:	Drinking Water, Potable (D)
Sample ID:	Monteith - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.075		mg/L	0.0010		1		1.30	06/29/2022 09:55	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:55	RTS

ANALYTICAL RESULTS

Lab ID:	3785650004	Date Collected:	06/23/2022 11:55	Matrix:	Drinking Water, Potable (D)
Sample ID:	Monteith - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.060		mg/L	0.0010		1		1.30	06/29/2022 10:00	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:00	RTS

ANALYTICAL RESULTS

Lab ID:	3785650005	Date Collected:	06/23/2022 12:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Monteith - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 10:00	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:00	RTS

ANALYTICAL RESULTS

Lab ID:	3785650006	Date Collected:	06/23/2022 12:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	Monteith - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0037		mg/L	0.0010		1		1.30	06/29/2022 10:00	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:00	RTS

CHAIN-OF-CUSTODY RECORD

PARAGON LABORATORIES
12649 Richfield Ct. Livonia, MI 48150 P 734.462.3900 F 734.462.3911 W www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: G2716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: G2716-01

Remarks:
Use EPA Method 200.8

378565
TEC
Testing Engineers & Consulta

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	6/23/22	11:50	✓		Monteith-1P	DW	1	✓	✓	378565-0001
02	6/23/22	"	✓		Monteith-1F	DW	1	✓	✓	-0002
03	6/23/22	11:55	✓		Monteith-2P	DW	1	✓	✓	-0003
04	6/23/22	"	✓		Monteith-2F	DW	1	✓	✓	-0004
05	6/23/22	12:00	✓		Monteith-3P	DW	1	✓	✓	-0005
06	6/23/22	"	✓		Monteith-3F	DW	1	✓	✓	-0006

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings:			✓	Notes or additional pH readings:
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				

Account Coordinator	Initials: JAC	Date: ~~378565~~ JAC 6/24/22 6/24/22	Workorder: 378565

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

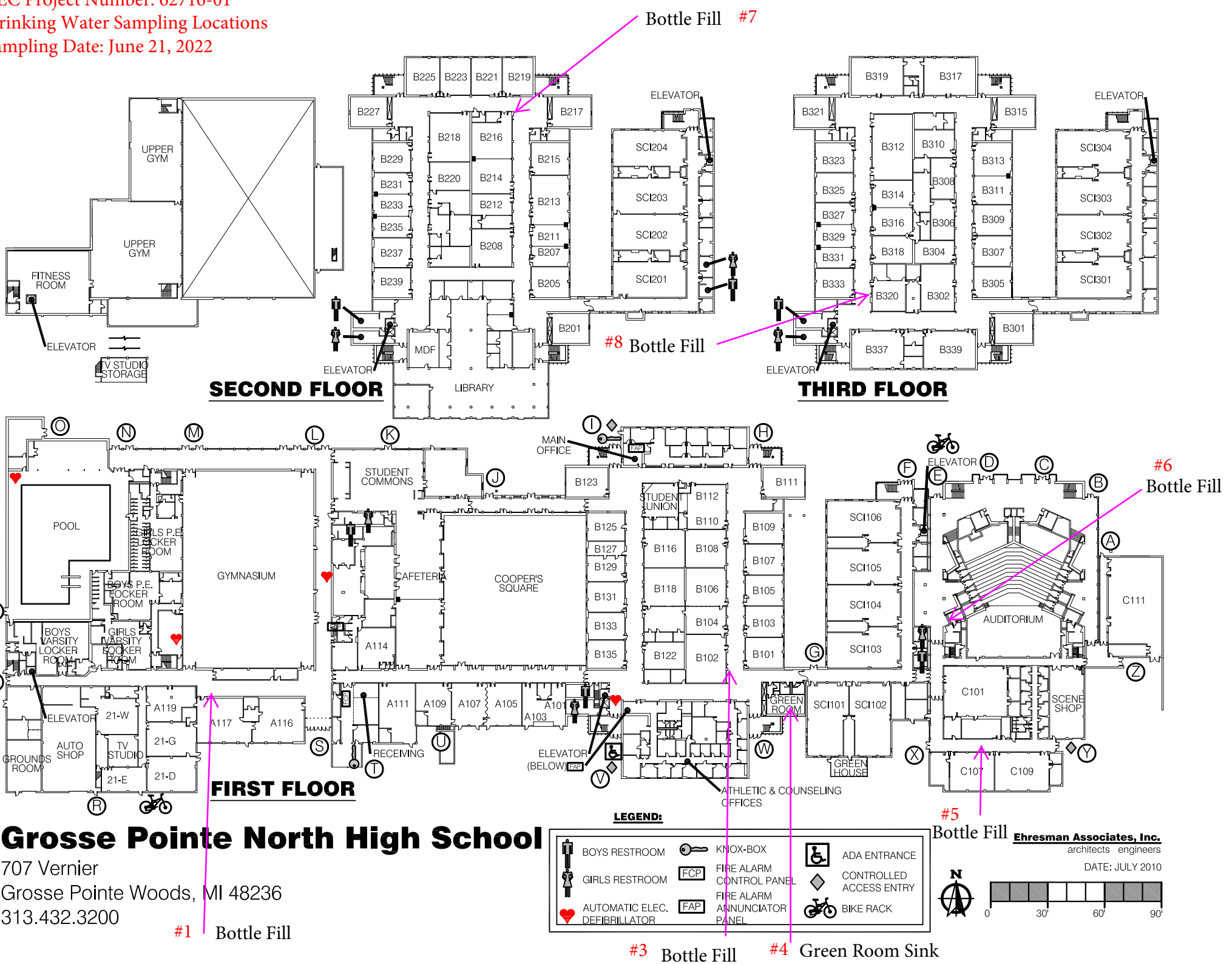
*Refer to REF-N0008A

APPENDIX J

Table One
Drinking Water Sampling Results
Grosse Pointe North High School, Grosse Pointe Public Schools
707 Vernier Rd, Grosse Pointe Woods, MI 48236
Sampling Date: June 23, 2022

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	0.047
		1F	2 min. flush	Lead	<0.0010
				Copper	0.013
3	1st Floor; Bottle Filling Station outside Rm B102	3P	1st draw	Lead	0.0011
				Copper	0.12
		3F	2 min. flush	Lead	0.0011
				Copper	0.036
4	1st Floor; Green Room; Sink; cold	4P	1st draw	Lead	0.0058
				Copper	0.15
		4F	2 min. flush	Lead	<0.0010
				Copper	0.038
5	1st Floor; Bottle Filling Station across from Rm C107	5P	1st draw	Lead	<0.0010
				Copper	0.18
		5F	2 min. flush	Lead	<0.0010
				Copper	0.099
6	1st Floor; Bottle Filling Station outside Auditorium	6P	1st draw	Lead	<0.0010
				Copper	0.085
		6F	2 min. flush	Lead	<0.0010
				Copper	0.040
7	2nd Floor; Bottle Filling Station outside Rm B216	7P	1st draw	Lead	<0.0010
				Copper	0.15
		7F	2 min. flush	Lead	<0.0010
				Copper	0.045
8	3rd Floor; Bottle Filling Station outside Rm B320	8P	1st draw	Lead	<0.0010
				Copper	0.27
		8F	2 min. flush	Lead	<0.0010
				Copper	0.050
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022



Grosse Pointe North High School

707 Vernier
Grosse Pointe Woods, MI 48236
313.432.3200

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378558
Project Name: 62716-01
Purchase Order: 62716-01

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Elizabeth Pangborn
Account Coordination Team Leader

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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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785580001	North HS - 7P	Grab	D	06/23/2022 10:10	06/24/2022 08:30	Scott Ch
3785580002	North HS - 7F	Grab	D	06/23/2022 10:10	06/24/2022 08:30	Scott Ch
3785580003	North HS - 8P	Grab	D	06/23/2022 10:20	06/24/2022 08:30	Scott Ch
3785580004	North HS - 8F	Grab	D	06/23/2022 10:20	06/24/2022 08:30	Scott Ch
3785580005	North HS - 1P	Grab	D	06/23/2022 09:20	06/24/2022 08:30	Scott Ch
3785580006	North HS - 1F	Grab	D	06/23/2022 09:20	06/24/2022 08:30	Scott Ch
3785580007	North HS - 3P	Grab	D	06/23/2022 09:30	06/24/2022 08:30	Scott Ch
3785580008	North HS - 3F	Grab	D	06/23/2022 09:30	06/24/2022 08:30	Scott Ch
3785580009	North HS - 4P	Grab	D	06/23/2022 09:40	06/24/2022 08:30	Scott Ch
3785580010	North HS - 4F	Grab	D	06/23/2022 09:40	06/24/2022 08:30	Scott Ch
3785580011	North HS - 5P	Grab	D	06/23/2022 09:50	06/24/2022 08:30	Scott Ch
3785580012	North HS - 5F	Grab	D	06/23/2022 09:50	06/24/2022 08:30	Scott Ch
3785580013	North HS - 6P	Grab	D	06/23/2022 10:00	06/24/2022 08:30	Scott Ch
3785580014	North HS - 6F	Grab	D	06/23/2022 10:00	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785580001	Date Collected:	06/23/2022 10:10	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 7P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.15		mg/L	0.0010		1		1.30	06/28/2022 11:40	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:40	RTS

ANALYTICAL RESULTS

Lab ID:	3785580002	Date Collected:	06/23/2022 10:10	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 7F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:40	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:40	RTS

ANALYTICAL RESULTS

Lab ID:	3785580003	Date Collected:	06/23/2022 10:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 8P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.27		mg/L	0.0010		1		1.30	06/28/2022 11:40	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:40	RTS

ANALYTICAL RESULTS

Lab ID:	3785580004	Date Collected:	06/23/2022 10:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 8F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580005	Date Collected:	06/23/2022 09:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580006	Date Collected:	06/23/2022 09:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580007	Date Collected:	06/23/2022 09:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.12		mg/L	0.0010		1		1.30	06/28/2022 11:50	RTS
Lead, Total	0.0011		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580008	Date Collected:	06/23/2022 09:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
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		1.30	06/28/2022 11:50	RTS
Lead, Total	0.0011		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580009	Date Collected:	06/23/2022 09:40	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 4P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.15		mg/L	0.0010		1		1.30	06/28/2022 11:50	RTS
Lead, Total	0.0058		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580010	Date Collected:	06/23/2022 09:40	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 4F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580011	Date Collected:	06/23/2022 09:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 5P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:50	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:50	RTS

ANALYTICAL RESULTS

Lab ID:	3785580012	Date Collected:	06/23/2022 09:50	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 5F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.099		mg/L	0.0010		1		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785580013	Date Collected:	06/23/2022 10:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 6P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785580014	Date Collected:	06/23/2022 10:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	North HS - 6F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.040		mg/L	0.0010		1		1.30	06/28/2022 12:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 12:15	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@teetest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ——— PIN #: ———
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA METHOD 200.8

378558
TEC
Testing Engineers & Consultan

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.
1	6/23/22	10:10	✓		North HS-7P	DW	1	✓ ✓	378558-0001
2	6/23/22	"	✓		North HS-7F	DW	1	✓ ✓	-0002
3	6/23/22	10:20	✓		North HS-8P	DW	1	✓ ✓	-0003
4	6/23/22	"	✓		North HS-8F	DW	1	✓ ✓	-0004
									-0005 JAC 6/24/22

Tran. #	Released By	Received By	Date	Time
1.		JAC	6/24/22	830
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings:			✓	Notes or additional pH readings:
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378558

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

378558
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-705-1057
Email: schandler@teetest.com
Client Job Name / No.: 62716-01
Job Location:
WSSN #: PIN #:
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA Method 200.8

378558 TEC Testing Engineers & Consulta

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	6/23/22	9:20	✓		North HS - 1P	DW	1	✓	✓	378558-0006
02	6/23/22	"	✓		North HS - 1F	DW	1	✓	✓	-0007
03	6/23/22	9:30	✓		North HS - 3P	DW	1	✓	✓	-0008
04	6/23/22	"	✓		North HS - 3F	DW	1	✓	✓	-0009
05	6/23/22	9:40	✓		North HS - 4P	DW	1	✓	✓	-0010
06	6/23/22	"	✓		North HS - 4F	DW	1	✓	✓	-0011
07	6/23/22	9:50	✓		North HS - 5P	DW	1	✓	✓	-0012
08	6/23/22	"	✓		North HS - 5F	DW	1	✓	✓	-0013
09	6/23/22	10:00	✓		North HS - 6P	DW	1	✓	✓	-0014
10	6/23/22	"	✓		North HS - 6F	DW	1	✓	✓	-0015

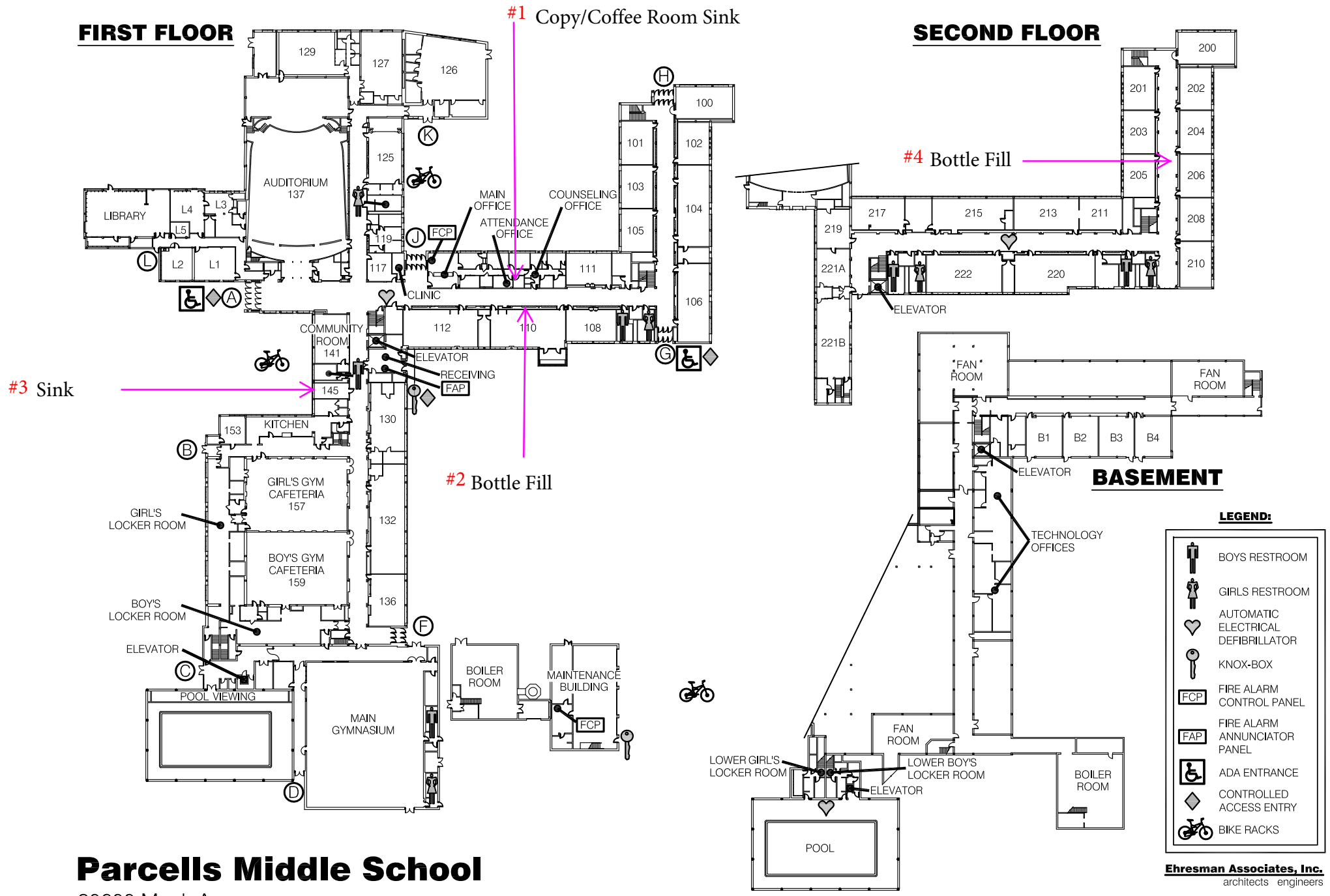
Tran. #	Released By	Received By	Date	Time
1.		JRC	6/24/22	830
2.				

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

APPENDIX K

Table One
Drinking Water Sampling Results
Parcells Middle School; Grosse Pointe Public Schools
20600 Mack Ave, Grosse Pointe Woods, MI 48236
Sampling Date: Sampling Date: June 23, 2022

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Copy/Coffee Rm Sink; cold	1P	1st draw	Lead	0.0016
				Copper	0.0072
		1F	2 min. flush	Lead	<0.0010
				Copper	0.0041
2	1st Floor; Bottle Filling Station outside Rm 110	2P	1st draw	Lead	<0.0010
				Copper	0.12
		2F	2 min. flush	Lead	<0.0010
				Copper	0.067
3	1st Floor; Kitchen Area; Food Prep Sink; cold	3P	1st draw	Lead	0.0061
				Copper	0.046
		3F	2 min. flush	Lead	<0.0010
				Copper	0.0027
4	2nd Floor; Bottle Filling Station outside Rm 206	4P	1st draw	Lead	<0.0010
				Copper	0.13
		4F	2 min. flush	Lead	<0.0010
				Copper	0.080
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L



Parcells Middle School

20600 Mack Ave.
Grosse Pointe Woods, MI 48236
313.432.4600

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 23, 2022

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378564
Project Name: 062716-01
Purchase Order: 062716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785640001	Parcells - 1P	Grab	D	06/23/2022 11:10	06/24/2022 08:30	Scott Ch
3785640002	Parcells - 1F	Grab	D	06/23/2022 11:10	06/24/2022 08:30	Scott Ch
3785640003	Parcells - 2P	Grab	D	06/23/2022 11:20	06/24/2022 08:30	Scott Ch
3785640004	Parcells - 2F	Grab	D	06/23/2022 11:20	06/24/2022 08:30	Scott Ch
3785640005	Parcells - 3P	Grab	D	06/23/2022 11:30	06/24/2022 08:30	Scott Ch
3785640006	Parcells - 3F	Grab	D	06/23/2022 11:30	06/24/2022 08:30	Scott Ch
3785640007	Parcells - 4P	Grab	D	06/23/2022 11:35	06/24/2022 08:30	Scott Ch
3785640008	Parcells - 4F	Grab	D	06/23/2022 11:35	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785640001	Date Collected:	06/23/2022 11:10	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0072		mg/L	0.0010		1		1.30	06/29/2022 09:30	RTS
Lead, Total	0.0016		mg/L	0.0010		1		0.0150	06/29/2022 09:30	RTS

ANALYTICAL RESULTS

Lab ID:	3785640002	Date Collected:	06/23/2022 11:10	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0041		mg/L	0.0010		1		1.30	06/29/2022 09:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785640003	Date Collected:	06/23/2022 11:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.12		mg/L	0.0010		1		1.30	06/29/2022 09:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785640004	Date Collected:	06/23/2022 11:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.067		mg/L	0.0010		1		1.30	06/29/2022 09:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785640005	Date Collected:	06/23/2022 11:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:35	RTS
Lead, Total	0.0061		mg/L	0.0010		1		0.0150	06/29/2022 09:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785640006	Date Collected:	06/23/2022 11:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.0027		mg/L	0.0010		1		1.30	06/29/2022 09:35	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:35	RTS

ANALYTICAL RESULTS

Lab ID:	3785640007	Date Collected:	06/23/2022 11:35	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 4P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 09:45	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:45	RTS

ANALYTICAL RESULTS

Lab ID:	3785640008	Date Collected:	06/23/2022 11:35	Matrix:	Drinking Water, Potable (D)
Sample ID:	Parcells - 4F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.080		mg/L	0.0010		1		1.30	06/29/2022 09:45	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 09:45	RTS

CHAIN-OF-CUSTODY RECORD

PARAGON LABORATORIES

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name:	Testing Engineers & Consultants, Inc.
Contact Person:	Scott Chandler
Mailing Address:	1343 Rochester Rd
City, State, Zip:	Troy, MI 48083
Phone and Fax:	248-755-1557
Email:	schandler@tectest.com
Client Job Name / No.:	62716-01
Job Location:	
WSSN #:	PIN #:
Sampled By: Scott Chandler	PO No.: 62716-01

Remarks: Use EPA method 200.8

378564
TEC
Testing Engineers & Consulta

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	6/23/22	11:20	✓		Parcells - 1P	DW	1	✓	✓	378564-0001
02	6/23/22	"	✓		Parcells - 1F	DW	1	✓	✓	-0002
03	6/23/22	11:20	✓		Parcells - 2P	DW	1	✓	✓	-0003
04	6/23/22	"	✓		Parcells - 2F	DW	1	✓	✓	-0004
05	6/23/22	11:30	✓		Parcells - 3P	DW	1	✓	✓	-0005
06	6/23/22	"	✓		Parcells - 3F	DW	1	✓	✓	-0006
07	6/23/22	11:35	✓		Parcells - 4P	DW	1	✓	✓	-0007
08	6/23/22	"	✓		Parcells - 4F	DW	1	✓	✓	-0008

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JAC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings:			✓	Notes or additional pH readings:
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378564

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

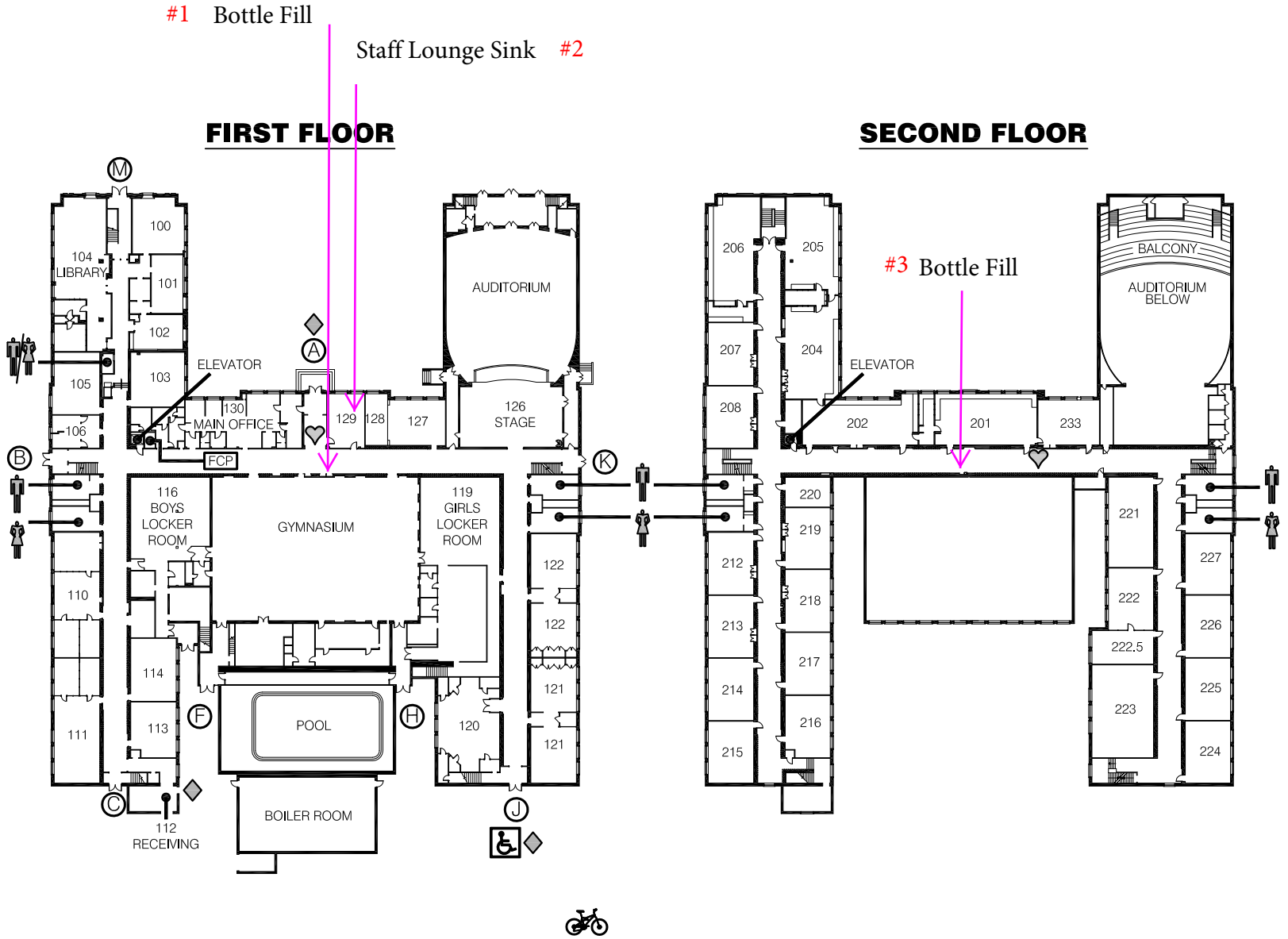
378564
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

APPENDIX L

Table One
Drinking Water Sampling Results
Pierce Middle School, Grosse Pointe Public Schools
15430 Kercheval Ave, Grosse Pointe, MI 48230
Sampling Date: June 21, 2022

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	0.15
		1F	2 min. flush	Lead	<0.0010
				Copper	0.033
2	1st Floor; Staff Lounge; Sink; Hot	2P	1st draw	Lead	**0.072**
				Copper	**5.2**
3	2nd Floor; Bottle Filling Station across from Rm 201	3P	1st draw	Lead	<0.0010
				Copper	0.16
		3F	2 min. flush	Lead	<0.0010
				Copper	0.054
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L



Pierce Middle School

15430 Kercheval
Grosse Pointe Park, MI 48230
313.432.4700

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

PARAGON LABORATORIES

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378550
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785500001	Pierce - 1P	Grab	D	06/21/2022 07:30	06/24/2022 08:30	Scott Ch
3785500002	Pierce - 1F	Grab	D	06/21/2022 07:30	06/24/2022 08:30	Scott Ch
3785500003	Pierce - 2P	Grab	D	06/21/2022 07:40	06/24/2022 08:30	Scott Ch
3785500004	Pierce - 3P	Grab	D	06/21/2022 07:45	06/24/2022 08:30	Scott Ch
3785500005	Pierce - 3F	Grab	D	06/21/2022 07:45	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

Analysis Results Narrative

3785500003 - Pierce - 2P - Copper, Total
H|Result (or RL) is above Max limit.
3785500003 - Pierce - 2P - Lead, Total
H|Result (or RL) is above Max limit.

ANALYTICAL RESULTS

Lab ID:	3785500001	Date Collected:	06/21/2022 07:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Pierce - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.15		mg/L	0.0010		1		1.30	06/28/2022 10:20	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:20	RTS

ANALYTICAL RESULTS

Lab ID:	3785500002	Date Collected:	06/21/2022 07:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Pierce - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:20	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:20	RTS

ANALYTICAL RESULTS

Lab ID:	3785500003	Date Collected:	06/21/2022 07:40	Matrix:	Drinking Water, Potable (D)
Sample ID:	Pierce - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	5.2	*	mg/L	0.010		10		1.30	06/28/2022 12:50	RTS
Lead, Total	0.072	*	mg/L	0.0010		1		0.0150	06/28/2022 10:30	RTS

ANALYTICAL RESULTS

Lab ID:	3785500004	Date Collected:	06/21/2022 07:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	Pierce - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:30	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:30	RTS

ANALYTICAL RESULTS

Lab ID:	3785500005	Date Collected:	06/21/2022 07:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	Pierce - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 10:30	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 10:30	RTS

CHAIN-OF-CUSTODY RECORD

PARAGON LABORATORIES
12649 Richfield Ct. Livonia, MI 48150 P 734.462.3900 F 734.462.3911 W www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc..
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location: ———
WSSN #: ———
PIN #: ———
Sampled By: Scott Chandler
PO No.: 62716-01

Remarks:
Use EPA method 200.8

378550
TEC
Testing Engineers & Consulta

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	6/21/22	7:30	✓		Pierce - 1P	DW	1	✓	✓	378550-0001
02	6/21/22	↓	✓		Pierce - 1F	DW	1	✓	✓	↓ -0002
03	6/21/22	7:40	✓		Pierce - 2P	DW	1	✓	✓	-0003
04	6/21/22	7:45	✓		Pierce - 3P	DW	1	✓	✓	-0004
05	6/21/22	↓	✓		Pierce - 3F	DW	1	✓	✓	-0005

Tran. #	Released By	Received By	Date	Time
1.	[signature]	JRC	6/21/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ Client drop-off Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): Natural ice Blue ice Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings:			✓	Notes or additional pH readings:
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378550

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

378550
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

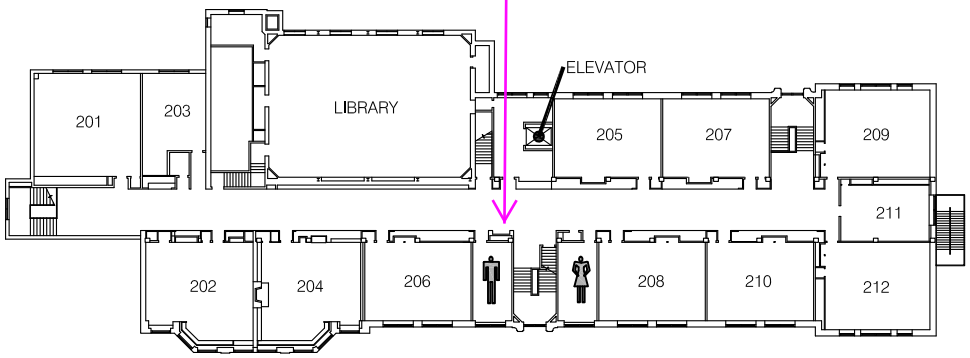
APPENDIX M

Table One
Drinking Water Sampling Results
Richard Elementary School, Grosse Pointe Public Schools
176 McKinley, Grosse Pointe Farms, MI 48236
Sampling Date: June 21, 2022

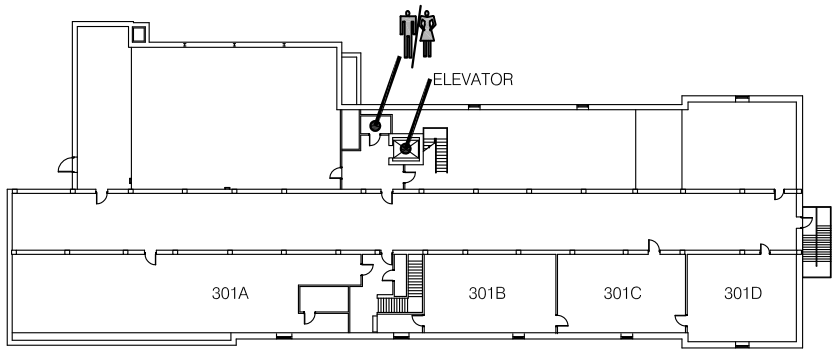
Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station adjacent to Girls Restroom	1P	1st draw	Lead	<0.0010
				Copper	0.16
		1F	2 min. flush	Lead	<0.0010
				Copper	0.020
2	1st Floor; Kitchen Area; Kitchen Sink; cold	2P	1st draw	Lead	<0.0010
				Copper	0.16
		2F	2 min. flush	Lead	<0.0010
				Copper	0.062
3	2nd Floor; Bottle Filling Station adjacent to Rm 206	3P	1st draw	Lead	<0.0010
				Copper	0.055
		3F	2 min. flush	Lead	<0.0010
				Copper	0.02
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

SECOND FLOOR

#3 Bottle Fill



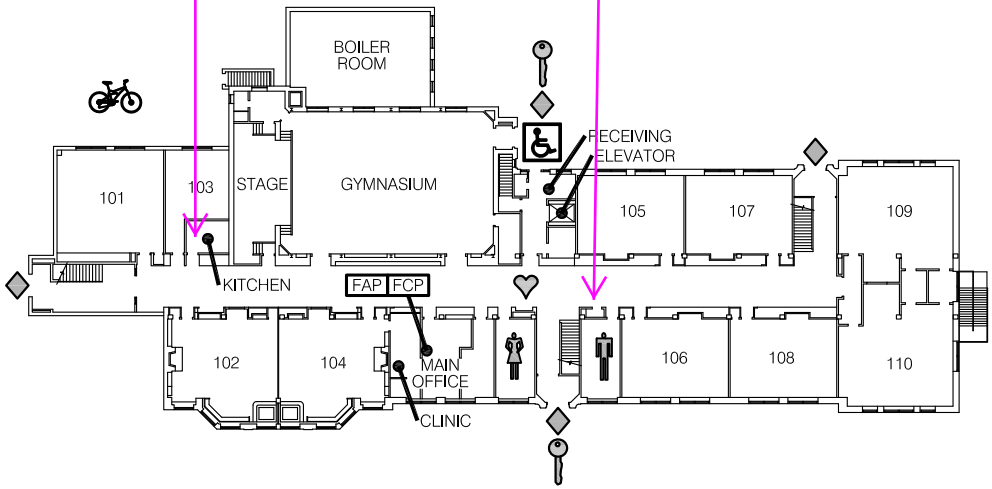
THIRD FLOOR



#2 Kitchen Sink

#1 Bottle Fill

FIRST FLOOR



LEGEND:

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

Richard Elementary School

176 McKinley
Grosse Pointe Farms, MI 48236
313.432.4900

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

N

0 30' 60' 90'

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378556
Project Name: 62716-01
Purchase Order: 62716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785560001	Richard - 1P	Grab	D	06/21/2022 09:20	06/24/2022 08:30	Scott Ch
3785560002	Richard - 1F	Grab	D	06/21/2022 09:20	06/24/2022 08:30	Scott Ch
3785560003	Richard - 2P	Grab	D	06/21/2022 09:25	06/24/2022 08:30	Scott Ch
3785560004	Richard - 2F	Grab	D	06/21/2022 09:25	06/24/2022 08:30	Scott Ch
3785560005	Richard - 3P	Grab	D	06/21/2022 09:30	06/24/2022 08:30	Scott Ch
3785560006	Richard - 3F	Grab	D	06/21/2022 09:30	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

Analysis Results Narrative

3785560001 - Richard - 1P - Copper, Total

The concentration for this analyte was greater than 4X the MS/MSD spike concentration.

ANALYTICAL RESULTS

Lab ID:	3785560001	Date Collected:	06/21/2022 09:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	Richard - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785560002	Date Collected:	06/21/2022 09:20	Matrix:	Drinking Water, Potable (D)
Sample ID:	Richard - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785560003	Date Collected:	06/21/2022 09:25	Matrix:	Drinking Water, Potable (D)
Sample ID:	Richard - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785560004	Date Collected:	06/21/2022 09:25	Matrix:	Drinking Water, Potable (D)
Sample ID:	Richard - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785560005	Date Collected:	06/21/2022 09:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Richard - 3P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
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		1.30	06/28/2022 11:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785560006	Date Collected:	06/21/2022 09:30	Matrix:	Drinking Water, Potable (D)
Sample ID:	Richard - 3F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/28/2022 11:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/28/2022 11:05	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: G2716-01
Job Location: ———
WSSN #: ———
PIN #: ———
Sampled By: Scott Chandler
PO No.: G2716-01

Remarks:
Use EPA method 200.8

378556
TEC
Testing Engineers & Consulta

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	6/21/22	9:20	✓		Richard-1P	DW	1	✓	✓	378556-0001
02	6/21/22	〃	✓		Richard-1F	DW	1	✓	✓	-0002
03	6/21/22	9:25	✓		Richard-2P	DW	1	✓	✓	-0003
04	6/21/22	〃	✓		Richard-2F	DW	1	✓	✓	-0004
05	6/21/22	9:30	✓		Richard-3P	DW	1	✓	✓	-0005
06	6/21/22	〃	✓		Richard-3F	DW	1	✓	✓	-0006

Tran. #	Released By	Received By	Date	Time
1.	[signature]	[signature] JAC	6/21/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ (Client drop-off) Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): (Natural ice) (Blue ice) Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings: Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____ Sample ID: _____ pH: _____			✓	Notes or additional pH readings:

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378556

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

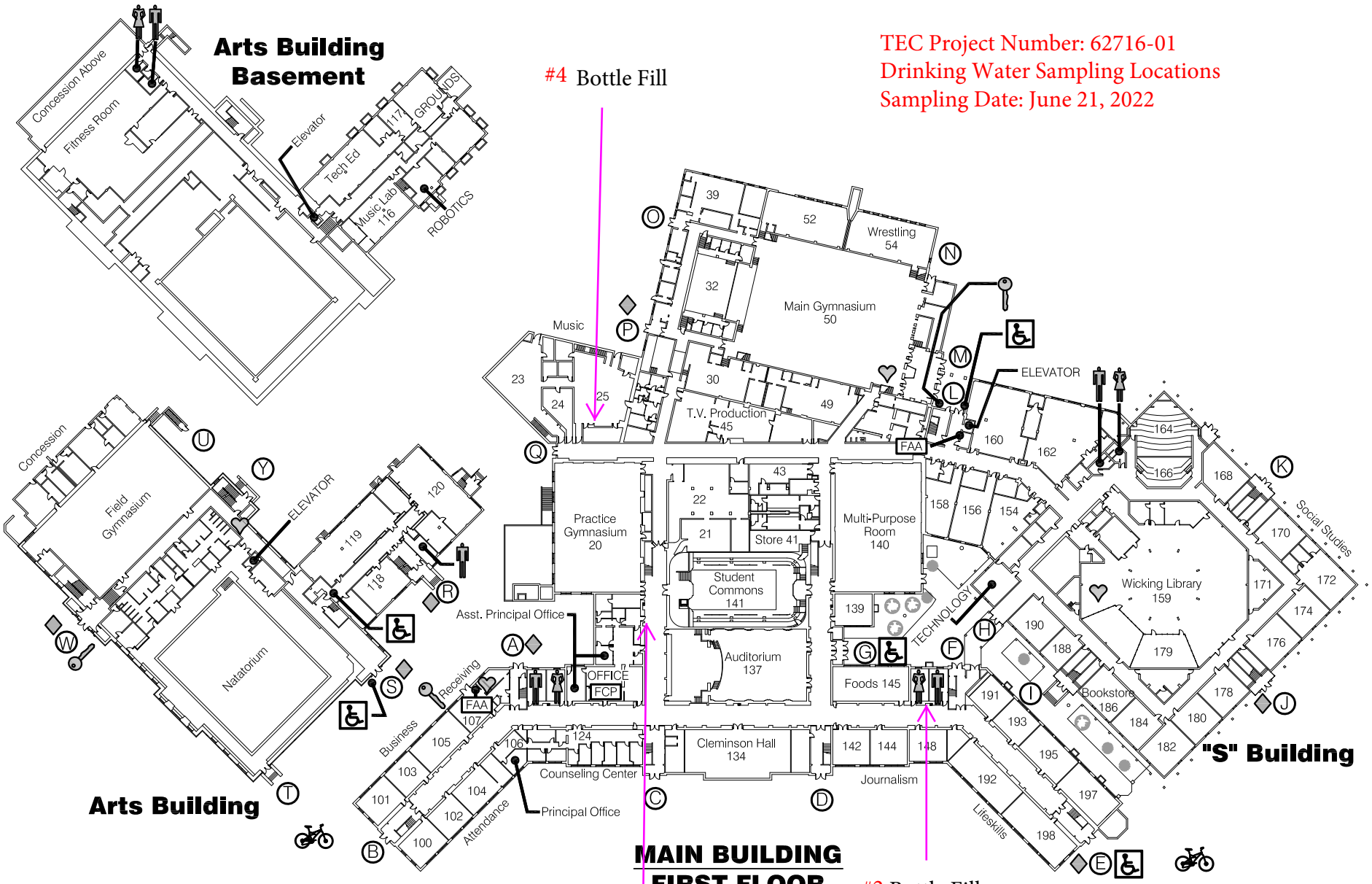
378556
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A

APPENDIX N

Table One
Drinking Water Sampling Results
Grosse Pointe South High School
11 Grosse Pointe Blvd, Grosse Pointe Farms, MI 48236
Sampling Date: June 21, 2022

Location	Description	Cust.Sample ID	Type	Compound	Result (mg/L)
1	1st Floor; Bottle Filling Station across from Auditorium Entrance	1P	1st Draw	Lead	<0.0010
				Copper	0.081
		1F	2 min. flush	Lead	<0.0010
				Copper	0.034
2	1st Floor; Bottle Filling Station across from Room 148	2P	1st Draw	Lead	<0.0010
				Copper	0.023
		2F	2 min. flush	Lead	<0.0010
				Copper	0.040
4	1st Floor; Bottle Filling Station in Rm 25	4P	1st Draw	Lead	<0.0010
				Copper	0.043
		4F	2 min. flush	Lead	<0.0010
				Copper	0.021
5	2nd Floor; Bottle Filling Station between Rm 226 & 236	5P	1st Draw	Lead	<0.0010
				Copper	0.064
		5F	2 min. flush	Lead	<0.0010
				Copper	0.019
8	2nd Floor; Bottle Filling Station across from Rm 248	8P	1st Draw	Lead	<0.0010
				Copper	0.028
		8F	2 min. flush	Lead	<0.0010
				Copper	0.017
		EPA	Action Level	Lead	0.015 mg/L
				Copper	1.3 mg/L

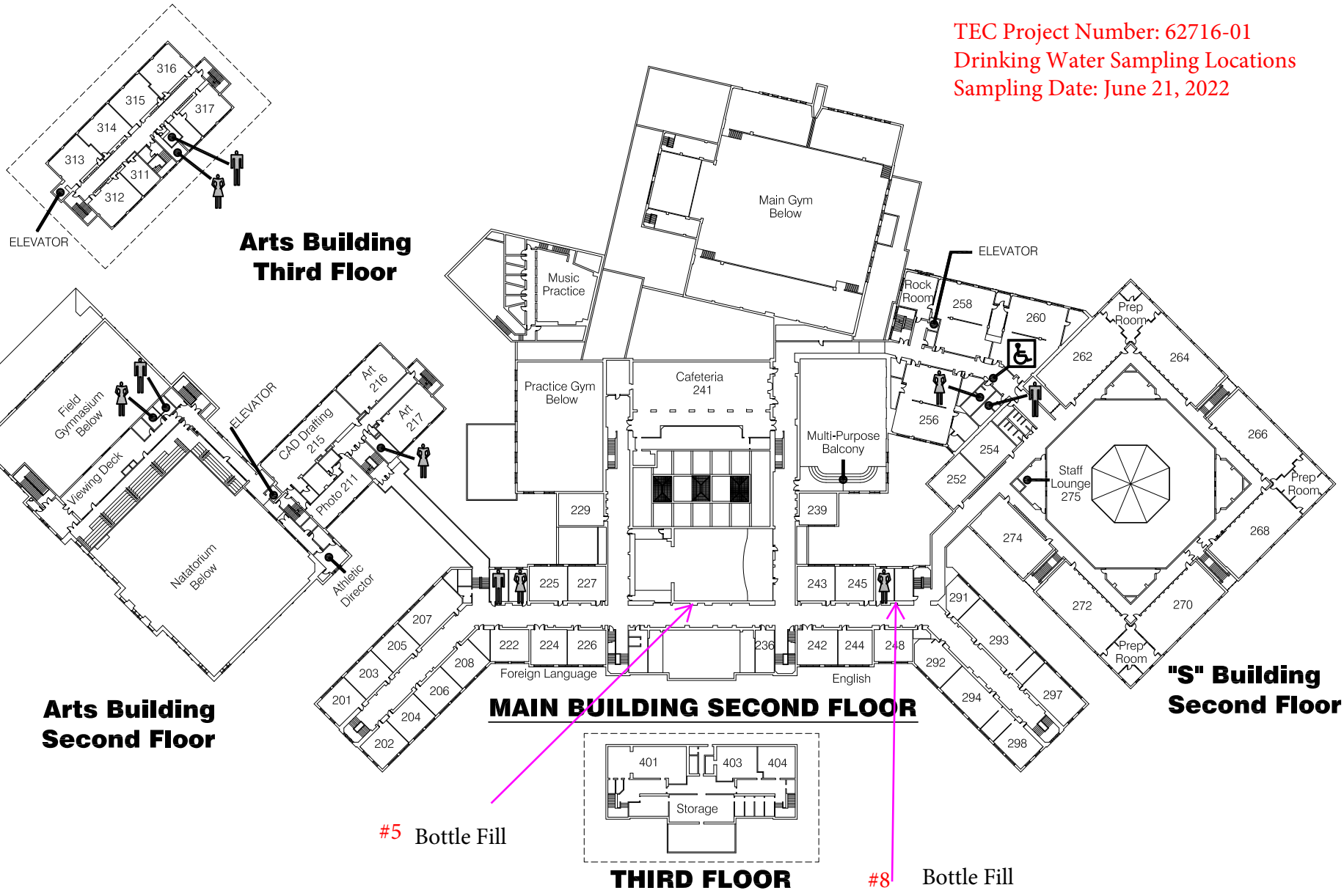


Grosse Pointe South High School

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

Ehresman Associates, Inc.
architects engineers
DATE: JULY 2010

TEC Project Number: 62716-01
Drinking Water Sampling Locations
Sampling Date: June 21, 2022



Grosse Pointe South High School

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

LEGEND:

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

Ehresman Associates, Inc.
architects engineers

DATE: JULY 2010

N

0 30' 60' 90'

PARAGON LABORATORIES

12649 Richfield Ct.
Livonia, MI 48150
P:734.462.3900
paragonlaboratories.com

Thursday, June 30, 2022

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

Workorder: 378567
Project Name: 062716-01
Purchase Order: 062716-01

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
Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded 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.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3785670001	South HS - 1P	Grab	D	06/21/2022 10:00	06/24/2022 08:30	Scott Ch
3785670002	South HS - 1F	Grab	D	06/21/2022 10:00	06/24/2022 08:30	Scott Ch
3785670003	South HS - 2P	Grab	D	06/21/2022 10:15	06/24/2022 08:30	Scott Ch
3785670004	South HS - 2F	Grab	D	06/21/2022 10:15	06/24/2022 08:30	Scott Ch
3785670005	South HS - 4P	Grab	D	06/21/2022 10:25	06/24/2022 08:30	Scott Ch
3785670006	South HS - 4F	Grab	D	06/21/2022 10:25	06/24/2022 08:30	Scott Ch
3785670007	South HS - 5P	Grab	D	06/21/2022 10:35	06/24/2022 08:30	Scott Ch
3785670008	South HS - 5F	Grab	D	06/21/2022 10:35	06/24/2022 08:30	Scott Ch
3785670009	South HS - 8P	Grab	D	06/21/2022 10:45	06/24/2022 08:30	Scott Ch
3785670010	South HS - 8F	Grab	D	06/21/2022 10:45	06/24/2022 08:30	Scott Ch

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 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice and blue ice with an average temperature of 19.1 °C on June 24, 2022.

ANALYTICAL RESULTS

Lab ID:	3785670001	Date Collected:	06/21/2022 10:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 1P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 10:05	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:05	RTS

ANALYTICAL RESULTS

Lab ID:	3785670002	Date Collected:	06/21/2022 10:00	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 1F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.034		mg/L	0.0010		1		1.30	06/29/2022 10:10	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:10	RTS

ANALYTICAL RESULTS

Lab ID:	3785670003	Date Collected:	06/21/2022 10:15	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 2P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.023		mg/L	0.0010		1		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670004	Date Collected:	06/21/2022 10:15	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 2F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.040		mg/L	0.0010		1		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670005	Date Collected:	06/21/2022 10:25	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 4P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Metals by EPA 200.8										
Copper, Total	0.043		mg/L	0.0010		1		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670006	Date Collected:	06/21/2022 10:25	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 4F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
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		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670007	Date Collected:	06/21/2022 10:35	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 5P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670008	Date Collected:	06/21/2022 10:35	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 5F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670009	Date Collected:	06/21/2022 10:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 8P	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

ANALYTICAL RESULTS

Lab ID:	3785670010	Date Collected:	06/21/2022 10:45	Matrix:	Drinking Water, Potable (D)
Sample ID:	South HS - 8F	Date Received:	06/24/2022 08:30	Collector:	Scott Chandler
Description:	Grab				

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		1.30	06/29/2022 10:15	RTS
Lead, Total	<0.0010		mg/L	0.0010		1		0.0150	06/29/2022 10:15	RTS

PARAGON LABORATORIES

CHAIN-OF-CUSTODY RECORD

12649 Richfield Ct. Livonia, MI 48150 **P** 734.462.3900 **F** 734.462.3911 **W** www.paragonlaboratories.com

Client Name: Testing Engineers & Consultants, Inc.
Contact Person: Scott Chandler
Mailing Address: 1343 Rochester Rd
City, State, Zip: Troy, MI, 48083
Phone and Fax: 248-755-1557
Email: schandler@tectest.com
Client Job Name / No.: 62716-01
Job Location:
WSSN #: PIN #:
Sampled By: Scott Chandler PO No.: 62716-01

Remarks: Use EPA method 200.8

TEC Testing Engineers & Consulta 378567

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	6/21/22	10:00	✓		South HS - 1P	DW	1	✓	✓	378567-0001
02	6/21/22	"	✓		South HS - 1F	DW	1	✓	✓	-0002
03	6/21/22	10:15	✓		South HS - 2P	DW	1	✓	✓	-0003
04	6/21/22	"	✓		South HS - 2F	DW	1	✓	✓	-0004
05	6/21/22	10:25	✓		South HS - 4P	DW	1	✓	✓	-0005
06	6/21/22	"	✓		South HS - 4F	DW	1	✓	✓	-0006
07	6/21/22	10:35	✓		South HS - 5P	DW	1	✓	✓	-0007
08	6/21/22	"	✓		South HS - 5F	DW	1	✓	✓	-0008
09	6/21/22	10:45	✓		South HS - 8P	DW	1	✓	✓	-0009
10	6/21/22	"	✓		South HS - 8F	DW	1	✓	✓	-0010

Tran. #	Released By	Received By	Date	Time
1.		JAC	6/24/22	8:30
2.				

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

Sample Receipt Acceptability Checklist

Sample Receiver	Initials: JAC	Date: 6/24/22	Client: Testing Engineers & Cons., Inc.

	Criteria - All Samples	Yes	No	n/a	Additional Info / Comments
1.	Delivery method? (circle one)				Courier: _____ (Client drop-off) Paragon pick-up Paragon sampled
2.	Arrived in cooler?	✓			Cooling method (circle one): (Natural ice) (Blue ice) Ambient n/a
3.	COC or other paperwork present and adequate?	✓			If other paperwork provided, describe:
4.	Sample containers intact?	✓			If "No", explain:
5.	Sample containers in agreement with COC?	✓			If "No", explain:
6.	All samples in containers provided by Paragon?	✓			If "No", explain:
7.	Containers underfilled or overfilled? (Microbiology, Pb&Cu, Petroleum)		✓		If "Yes", explain:
	Additional Criteria - Environmental Samples*	**Yes**	**No**	**n/a**	**Additional Info / Comments**
8.	Samples within holding time?	✓			If "No", explain:
9.	Are any water samples frozen?		✓		If "Yes", explain:
10.	Average sample temperature? (°C) Thermometer Asset #: 11318	19.1°C			If multiple samples in one cooler, take the temperatures of three samples to compute the average. (Refer to SOP-N0182)
11.	Average temperature within limits or sampled within 24 hrs of receipt?	✓			
12.	Containers requiring zero headspace have no headspace or bubbles are < 6 mm (1/4")			✓	If "No", container identification(s):
13.	Sample(s) properly preserved?	✓			
14.	pH Readings:			✓	Notes or additional pH readings:
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				
	Sample ID: _____ pH: _____				

Account Coordinator	Initials: JAC	Date: 6/24/22	Workorder: 378567

		Yes	No	Additional Info / Comments
1.	Is there sufficient volume for all requested analyses?	✓		If "No", explain:
2.	Client contacted?		✓	Date: Mode of communication: Issue(s):
3.	All samples accepted?	✓		If "No" (or "Yes" with resolution), explain:

378567
TEC
Testing Engineers & Consulta

*Refer to REF-N0008A