

Evaluation of Lead in Drinking Water at Robert Morris Elementary School

1824 Boulevard Avenue
Scranton, PA 18509

Prepared for:

SCRANTON SCHOOL DISTRICT
425 N. Washington Ave.
Scranton, PA 18503

Prepared by:



GAI Job No.: SSD.19_673

Sample Date: December 26, 2019
Report Date: January 27, 2020

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INTRODUCTION

Under the 2018 Act 39 Pennsylvania School Code (Section 742) beginning in the 2018-2019 school year and every year thereafter, School Districts in Pennsylvania shall either analyze their drinking water for lead or conduct public meetings to discuss why testing was not conducted.

BACKGROUND

Lead is a naturally occurring heavy metal that is toxic when ingested or absorbed into the body. Children in particular are more susceptible to lead poisoning because they absorb more lead into their systems as they grow.

According to the United States Environmental Protection Agency (EPA), “even low levels of lead in the blood of children can result in:

- Behavior and learning problems
- Lower IQ and Hyperactivity
- Slowed growth
- Hearing problems
- Anemia

In rare cases, ingestion of lead can cause seizures, coma and even death” (Available at www.epa.gov/lead/learn-about-lead, April 4, 2016). Although, there are several ways that lead poisoning can occur in children, this report evaluates potential lead exposure only from drinking water within the **Robert Morris Elementary School**.

There are basically two (2) ways in which lead can enter drinking water. The first and least common route would be lead that is present in the source water. This route is extremely rare and would only be addressed if high levels of lead were discovered in the secondary flushed samples.

The second route for lead to enter drinking water (and most common), would be lead that has been leached out of the plumbing material as water passes through it. Although lead is no longer used in pipes or solder, it can still be found in older fittings, fixtures, and plumbing components. The ability of water to leach chemicals from piping and plumbing materials is known as corrosivity. Therefore, the more corrosive the water, the more potential there is for lead to be leached out of the plumbing material. Additionally, as the length of time the water is in contact with the plumbing material increases, so does the potential for the leaching of lead.

SAMPLING PROCEDURES

Both the Environmental Protection Agency [EPA] and the Pennsylvania Department of Environmental Protection Agency [PADEP] have programs to evaluate and reduce the concentration of lead in drinking water. The Federal (EPA) Program, the **3Ts for Reducing Lead in Drinking Water**, was developed for schools and daycare centers. The State (PADEP) Program is directed toward public drinking water suppliers (*Lead Copper Rule, 1991*). The programs differ slightly in sample quantity. However, because EPA's program is geared specifically toward schools, EPA's 3Ts sampling protocols were utilized.

A lead sampling plan was developed by Guzek Associates, Inc. [GAI] with the assistance of school maintenance staff in accordance with **EPA's 3Ts for Reducing Lead in Drinking Water Toolkit** (available at: www.epa.gov/ground-water-and-drinking-water/3ts-reducing-lead-drinking-water-toolkit). Representative samples of water fountains and/or faucets with the likelihood of ingestion by children were located and sampled. For example, if a classroom has two identical water fountains, only one was sampled; or, if a faucet was located in a maintenance room where children had no access, it would not be sampled.

One sample was taken at each designated location at the Robert Morris Elementary School, according to EPA's 3T's Toolkit sampling protocols. The sample was taken under worst case scenario condition. All samples were taken as First Draw after the water sat (unused) in the pipes for a minimum of eight (8) hours.

Clean/new sample bottles containing a preservative were supplied by a local laboratory. Samples were transported to the laboratory on ice within the specified holding times.

SAMPLE RESULTS

The sample results were compared to both EPA's Remediation Trigger Level [RTL] of 0.020 mg/l and PADEP's Lead Action Level of 0.015 mg/l.

The following table summarizes the First Draw lead results sampled on December 26, 2019 from the Robert Morris Elementary School:

Sample ID:	Sample Location Description:	Lead Concentration (mg/l)	Lead RTL* (mg/l)	Lead Action Level** (mg/l)	Exceeds Action Level
MOR-01	1 st Floor, Cafeteria – Right Sink	0.005	0.020	0.015	No
MOR-02	Basement Hallway – Water Fountain – Left	<0.001	0.020	0.015	No
MOR-03	Basement Hallway – Water Fountain – Right	<0.001	0.020	0.015	No
MOR-04	Basement, Art Room Sink	0.010	0.020	0.015	No
MOR-05	1 st Floor, Room 108 – Right Sink	0.010	0.020	0.015	No
MOR-06	1 st Floor, Room 103 Sink	0.009	0.020	0.015	No
MOR-07	1 st Floor, Room 102 Sink	0.007	0.020	0.015	No
MOR-08	2nd Floor, Health Room – Sink (In Restroom)	0.005	0.020	0.015	No
MOR-09	2nd Floor, Health Room – Sink	0.003	0.020	0.015	No
MOR-10	2nd Floor Hallway, Water Fountain (Outside Health Room)	<0.001	0.020	0.015	No
MOR-11	2nd Floor Hallway, Water Fountain (Across from Room 204)	<0.001	0.020	0.015	No
MOR-12	2 nd Floor, Room 204 – Sink	0.006	0.020	0.015	No
MOR-13	2 nd Floor, Room 208 – Sink	0.005	0.020	0.015	No
MOR-14	1 st Floor Cafeteria – Left Sink	0.002	0.020	0.015	No
MOR-15	1 st Floor, Room 108 – Left Sink	0.003	0.020	0.015	No

* RTL is defined by EPA as the level at which remedial action should be taken to reduce potential exposure to lead in public school drinking water.

** Action Level is defined by EPA as the level at which action should be taken to reduce the concentration of lead in drinking water.

If any sample result exceeded PADEP's Action Level (which is the most stringent), the School was contacted and it was recommended that the fountain/faucet be immediately taken out of service or signage be posted stating, "NOT FOR DRINKING/COOKING".

No samples exceeded either EPA's Remediation Trigger Level [RTL] of 0.020 mg/l and PADEP's Lead Action Level of 0.015 mg/l.

The Laboratory Analytical Reports (with Chain-of-Custody Forms) are found in Appendix A of this report.

RECOMMENDATIONS

As previously stated, if a sample concentration of 0.015 mg/l of lead was exceeded, GAI contacted the School District and it was recommended that the drinking fountain or faucet of concern be immediately taken out of service or signage be posted stating, "NOT FOR DRINKING/COOKING". If no sample results exceeded the PADEP's Action Level or EPA's RTL, no remediation action was recommended.

As permanent control measure, GAI recommends the following:

- 1). Any fountain or faucet used for drinking with elevated lead content should be permanently removed and replaced with a bottled water cooler.
- 2). It is strongly recommended that any faucet with elevated lead be immediately taken out of service or be posted "NOT FOR DRINKING/COOKING". Because there is a possibility that Lead may be present in faucets that have not been tested, it is therefore recommended that untested faucets be posted as well. Postings should be inspected monthly and replaced as needed.
- 3). As a safeguard, a schedule of flushing drinking water fountains and cooking faucets should be established by the School at the beginning of each school year and after long holidays (e.g. Christmas/New Year, Thanksgiving).
- 4). Results of lead sampling and remediation actions should be posted on the School District's Website and in the Administrative Offices of the School. Also, according to the PA Public School Code No. 2018-39, an elevated lead level "shall be reported to the Department of Education and posted on the Department's publicly accessible Internet Website".

APPENDIX A: SAMPLE CHAIN OF CUSTODY & ANALYTICAL RESULTS



201 West Clay Avenue / Hazle Township, PA 18202

PHONE (570) 455-6011 - FAX (570) 455-6321

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Report Narrative

Customer: Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Report Date: 1/27/2020

Page 1 of 5

HawkMtn WO #: 1912-00986
Subject Line: Morris School Drinking Water Lead Analysis

Any information provided by client (CLT) has not been performed by HML and is not within the HML scope of accreditation.

All solid samples are reported on an "as received" basis unless otherwise noted.

The test results meet the requirements of 25 PA Code and Chapter 252, except where noted.

The information contained in this analytical report is the sole property of Hawk MTN Laboratories, Inc. and that of the client. It cannot be reproduced in any form without the consent of Hawk MTN Labs, Inc. or the client for which this report was issued. The results contained in this report(s) are only representative of the sample(s) received. Conditions are dependant on location and time of the sampling event.

Hawk MTN Laboratories, Inc. is not responsible for use or interpretation of the data included herein.

PA DEP 40-417
EPA PA00169



201 West Clay Avenue / Hazle Township, PA 18202

PHONE (570) 455-6011 - FAX (570) 455-6321

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Certificate of Analysis

Customer: Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Report Date: 1/27/2020

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:43
Date Received: 12/30/2019
Client Sample ID: MOR-01, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-001
Sampler: CLIENT
Sample Point ID: MOR-01

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00460 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:46
Date Received: 12/30/2019
Client Sample ID: MOR-02, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-002
Sampler: CLIENT
Sample Point ID: MOR-02

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:46
Date Received: 12/30/2019
Client Sample ID: MOR-03, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-003
Sampler: CLIENT
Sample Point ID: MOR-03

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:47
Date Received: 12/30/2019
Client Sample ID: MOR-04, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-004
Sampler: CLIENT
Sample Point ID: MOR-04

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.0107 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

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Certificate of Analysis

Customer: Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Report Date: 1/27/2020

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:49
Date Received: 12/30/2019
Client Sample ID: MOR-05, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-005
Sampler: CLIENT
Sample Point ID: MOR-05

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.01045 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:52
Date Received: 12/30/2019
Client Sample ID: MOR-06, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-006
Sampler: CLIENT
Sample Point ID: MOR-06

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00917 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:53
Date Received: 12/30/2019
Client Sample ID: MOR-07, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-007
Sampler: CLIENT
Sample Point ID: MOR-07

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00728 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:58
Date Received: 12/30/2019
Client Sample ID: MOR-08, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-008
Sampler: CLIENT
Sample Point ID: MOR-08

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00488 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

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Certificate of Analysis

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Clarks Summit, PA 18411

Report Date: 1/27/2020

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:55
Date Received: 12/30/2019
Client Sample ID: MOR-09, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-009
Sampler: CLIENT
Sample Point ID: MOR-09

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00333 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 12:00
Date Received: 12/30/2019
Client Sample ID: MOR-10, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-010
Sampler: CLIENT
Sample Point ID: MOR-10

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:50
Date Received: 12/30/2019
Client Sample ID: MOR-11, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-011
Sampler: CLIENT
Sample Point ID: MOR-11

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:57
Date Received: 12/30/2019
Client Sample ID: MOR-12, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-012
Sampler: CLIENT
Sample Point ID: MOR-12

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00594 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

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Certificate of Analysis

Customer: Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Report Date: 1/27/2020

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 12:01
Date Received: 12/30/2019
Client Sample ID: MOR-13, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-013
Sampler: CLIENT
Sample Point ID: MOR-13

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00492 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:43
Date Received: 12/30/2019
Client Sample ID: MOR-14, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-014
Sampler: CLIENT
Sample Point ID: MOR-14

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00238 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/26/2019 Time Sampled: 11:51
Date Received: 12/30/2019
Client Sample ID: MOR-15, Drinking Water Lead Analysis

HawkMtn WO #: 1912-00986-015
Sampler: CLIENT
Sample Point ID: MOR-15

<u>Test Name</u>	<u>Test Results</u>	<u>Dilution</u> <u>Factor</u>	<u>Quant</u> <u>Limit</u>	<u>Method</u>	<u>Qual</u>	<u>Tech</u>	<u>Start</u> <u>Date/Time</u>	<u>End</u> <u>Date/Time</u>
Lead, DW ICP-MS	0.00281 mg/L	1	0.001	EPA 200.8		KLM	1/7/20 22:31	

ND = Non Detect

These results relate only to the sample noted above.

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Jeff Gittleman, Lab Director

Work Order #: 1912-00986 Purchase Order:
Site Name: Guzek Associates, Inc.
Contact: learl.gai@gmail.com

Chain of Custody & Analysis Record
HawkMtn Labs, Inc.
201 West Clay Ave, Hazle Township, PA 18202
Ph.(570) 455-6011 Fax (570) 455-6321

Pick Up Date: AD
Printed By: AD
Bottles made by: CLT
Approved By: AD
Checked By: AD

Composite	
Start Date:	Time:
End Date:	Time:
Grab	
Date:	Time:
Date:	Time:
Date:	Time:
Date:	Time:

Smp#	Bottle	Preservative	Rev'd	Smp#	Bottle	Preservative	Rev'd
001	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>	010	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>
002	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>	011	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>
003	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>	012	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>
004	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>	013	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>
005	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>	014	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>
006	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>	015	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>
007	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>				
008	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>				
009	Copper/Lead	H-Graduated HNO3	<input checked="" type="checkbox"/>				

Smp #	Smp Site	Matrix/ Smp Type	Tests	Temp Upon Receipt	Sample Date	Sample Time	Field pH	Field Cl	Field Temp
001	MOR-01, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.2 °C	12/26/19	11:43 AM			°C
002	MOR-02, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.4 °C		11:46			°C
003	MOR-03, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.5 °C		11:46			°C
004	MOR-04, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.5 °C		11:47			°C
005	MOR-05, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.5 °C		11:49			°C
006	MOR-06, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.7 °C		11:52			°C
007	MOR-07, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.7 °C		11:53			°C
008	MOR-08, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.6 °C		11:58			°C
009	MOR-09, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.6 °C		11:58			°C
010	MOR-10, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	10.5 °C		12:00 PM			°C

Receipt Info: Received on ice? Y / N Coc intact and complete? Y / N Correct containers? Y / N Adequate samples? Y / N Volatiles: Headspace present? Y / N Completed by: SG Samples/COC/Analysis agree: Y / N / BW

Sampled By: Chris Metter / Bud Tign Date: 12/30/19 Time: 11:50
Field Meter ID: N/A
Notes: Client Use whiteout
Prior to HML
VC 12/30/19
RELINQUISHED BY: Bud Tign Date: 12/30/19 Time: 11:50
RECEIVED BY: Paul Dittler Date: 12/30/19 Time: 13:00
RELINQUISHED BY: Paul Dittler Date: 12/30/19 Time: 13:00
RECEIVED AT LAB: Paul Dittler Date: 12/30/19 Time: 13:00
LOGGED IN AT LAB: Paul Dittler Date: 12/30/19 Time: 13:00

Work Order #: 1912-00986 Purchase Order:
Site Name: Guzek Associates, Inc.
Contact: learl.gai@gmail.com

Chain of Custody & Analysis Record
HawkMtn Labs, Inc.
201 West Clay Ave, Hazle Township, PA 18202
Ph.(570) 455-6011 Fax (570) 455-6321

Pick Up Date: Page 2 of 2

Printed By: ALP
Bottles made by: CLT
Approved By: ALP
Checked By: ALP

Composite	
Start Date: _____	Time: _____
End Date: _____	Time: _____
Grab	
Date: _____	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____

Smp #	Smp Site	Matrix/ Smp Type		Tests	Temp Upon Receipt		Sample Date		Sample Time		Field pH		Field Cl		Field Temp	
					°C	mg/L										°C
011	MOR-11, Drinking Water Lead Analysis	Potable Water		DW-PB-MS	10.4		12/26/15		11:58 AM							°C
012	MOR-12, Drinking Water Lead Analysis	Potable Water		DW-PB-MS	10.3				11:57							°C
013	MOR-13, Drinking Water Lead Analysis	Potable Water		DW-PB-MS	10.3				12:01 PM							°C
014	MOR-14, Drinking Water Lead Analysis	Potable Water		DW-PB-MS	10.2				11:43 AM							°C
015	MOR-15, Drinking Water Lead Analysis	Potable Water		DW-PB-MS	10.2				11:51 AM							°C

Receipt Info: Received on ice? <u>Y</u> / <u>N</u> Samples intact? <u>Y</u> / <u>N</u> COC intact and complete? <u>Y</u> / <u>N</u> Correct containers? <u>Y</u> / <u>N</u>		Adequate samples? <u>Y</u> / <u>N</u> Volatiles: Headspace present? <u>Y</u> / <u>N</u> Completed by: <u>[Signature]</u> Samples/COC/Analysis agree? <u>Y</u> / <u>N</u> Date: <u>12/30/19</u> Time: <u>11:50</u>	
Sampled By: <u>Chris Weber</u> / <u>Bret McGee</u> Field Meter ID: <u>N/A</u>		RELINQUISHED BY: <u>[Signature]</u> RECEIVED BY: <u>[Signature]</u> RELINQUISHED BY: <u>[Signature]</u> RECEIVED AT LAB: <u>12/30/19</u> LOGGED IN AT LAB: <u>12/30/19</u> 12/11/2019	
Notes: <u>Client uses whitest prior to HML. KC 12/30/19</u> All samples taken in 250mL plastic HNO3 preserved bottles.			