Evaluation of Lead in Drinking Water at Scranton Memorial Stadium

825 Providence Road
Scranton, PA 18508

Prepared for:

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

Prepared by:

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GAI Job No.: SSD.19_673

Sample Date: December 27, 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 **Scranton Memorial Stadium**.

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 Scranton Memorial Stadium, 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 27, 2019 from the Scranton Memorial Stadium:

Sample ID:	Sample Location Description:	Lead Concentration (mg/l)	Lead RTL* (mg/l)	Lead Action Level** (mg/l)	Exceeds Action Level
STAD-01	Visitors Stand, West Locker Room Under Bleachers – Right Water Fountain	<0.001	0.020	0.015	No
STAD-02	**Concession Stand (Near Main Office)**	**0.13**	**0.020**	**0.015**	**YES**
STAD-03	**Visitors Stand, West Locker Room – Cooler Fill Sink**	**0.06**	**0.020**	**0.015**	**YES**
STAD-04	Visitors Stand, West Locker Room – Ice Machine	<0.001	0.020	0.015	No
STAD-05	**Visitors Stand Locker Room (Blue Walls), Coach Office Restroom – Sink**	**0.06**	**0.020**	**0.015**	**YES**
STAD-06	No Sample	-	-	-	-
STAD-07	Visitors Stand, Under Bleachers – Tall Water Fountain	<0.001	0.020	0.015	No
STAD-08	Visitors Stand, Under Bleachers – Short Water Fountain	<0.001	0.020	0.015	No
STAD-09	Visitors Stand, Concession Stand – Sink	0.004	0.020	0.015	No
STAD-10	Home Stand, Under Bleachers – (Left Back) Tall Water Fountain	0.005	0.020	0.015	No
STAD-11	Home Stand, Under Bleachers – (Left Back) Short Water Fountain	<0.001	0.020	0.015	No
STAD-12	Home Stand, Under Bleachers – (Right Back) Short Water Fountain	<0.001	0.020	0.015	No
STAD-13	Home Stand, Locker Room – Water Fountain	<0.001	0.020	0.015	No
STAD-14	Home Stand, Locker Room – Ice Machine	<0.001	0.020	0.015	No
STAD-15	Home Stand, Locker Room – Cooler Fill Hose	<0.001	0.020	0.015	No
STAD-16	Home Stand, Locker Room Bathroom – Left Sink	0.003	0.020	0.015	No
STAD-17	Home Stand, Locker Room Bathroom – Right Sink	<0.001	0.020	0.015	No
STAD-18	Home Stand, North Concession Stand – Sink	0.001	0.020	0.015	No
STAD-19	Home Stand, North Concession Stand – Ice Machine	<0.001	0.020	0.015	No
STAD-20	2ND Floor, West Home Room – Water Fountain	<0.001	0.020	0.015	No
STAD-21	Home Stand, Under Bleachers – Tall Water Fountain	<0.001	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.

SAMPLE RESULTS – Continued

Samples, STAD-02, STAD-03, and STAD-05, were reported by the laboratory as above the Action Level. 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 other 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

HAWKMTN LABS INC

201 West Clay Avenue / Hazle Township, PA 18202

PHONE (570) 455-6011 - FAX (570) 455-6321
www.hawkmtnlabs.com

Report Narrative

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

Report Date: 1/27/2020

HawkMtn WO #: 1912-00985
Subject Line: Memorial Stadium 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

HAWKMTN LABS INC

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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			HawkMtn WO #:	1912-00985-001
Date Sampled:	12/27/2019	Time Sampled:	11:50	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-01
Client Sample ID:	STAD-01, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-002
Date Sampled:	12/27/2019	Time Sampled:	12:27	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-02
Client Sample ID:	STAD-02, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
* Lead, DW ICP-MS	0.128 mg/L	5	0.001	EPA 200.8		KLM	1/7/20 22:31	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-003
Date Sampled:	12/27/2019	Time Sampled:	11:55	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-03
Client Sample ID:	STAD-03, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
* Lead, DW ICP-MS	0.0577 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-004
Date Sampled:	12/27/2019	Time Sampled:	11:56	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-04
Client Sample ID:	STAD-04, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

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Customer: Guzek Associates, Inc.
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Clarks Summit, PA 18411

Report Date: 1/27/2020

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-005
Date Sampled:	12/27/2019	Time Sampled:	11:57	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-05
Client Sample ID:	STAD-05, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
* Lead, DW ICP-MS	0.0551 mg/L	1	0.001	EPA 200.8		KLM	1/9/20 17:51	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-006
Date Sampled:	12/27/2019	Time Sampled:	11:50	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-06
Client Sample ID:	STAD-06, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Not Sampled			0				0:00	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-007
Date Sampled:	12/27/2019	Time Sampled:	12:01	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-07
Client Sample ID:	STAD-07, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-008
Date Sampled:	12/27/2019	Time Sampled:	12:01	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-08
Client Sample ID:	STAD-08, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	<0.001 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

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

Report Date: 1/27/2020

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-009
Date Sampled:	12/27/2019	Time Sampled:	12:03	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-09
Client Sample ID:	STAD-09, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	0.00429 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-010
Date Sampled:	12/27/2019	Time Sampled:	12:18	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-10
Client Sample ID:	STAD-10, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	0.00530 mg/L	1	0.001	EPA 200.8		KLM	1/6/20 23:09	

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-011
Date Sampled:	12/27/2019	Time Sampled:	12:18	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-11
Client Sample ID:	STAD-11, Drinking Water Lead Analysis				

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

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-012
Date Sampled:	12/27/2019	Time Sampled:	12:18	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-12
Client Sample ID:	STAD-12, Drinking Water Lead Analysis				

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

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Report Date: 1/27/2020

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-013
Date Sampled:	12/27/2019	Time Sampled:	12:06	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-13
Client Sample ID:	STAD-13, Drinking Water Lead Analysis				

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

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-014
Date Sampled:	12/27/2019	Time Sampled:	12:11	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-14
Client Sample ID:	STAD-14, Drinking Water Lead Analysis				

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

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-015
Date Sampled:	12/27/2019	Time Sampled:	12:09	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-15
Client Sample ID:	STAD-15, Drinking Water Lead Analysis				

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

Material Tested:	Potable Water			HawkMtn WO #:	1912-00985-016
Date Sampled:	12/27/2019	Time Sampled:	12:07	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-16
Client Sample ID:	STAD-16, Drinking Water Lead Analysis				

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	0.00260 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

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Clarks Summit, PA 18411

Report Date: 1/27/2020

Material Tested: Potable Water
Date Sampled: 12/27/2019 Time Sampled: 12:07
Date Received: 12/30/2019
Client Sample ID: STAD-17, Drinking Water Lead Analysis
HawkMtn WO #: 1912-00985-017
Sampler: CLIENT
Sample Point ID: STAD-17

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
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: 12/27/2019 Time Sampled: 12:22
Date Received: 12/30/2019
Client Sample ID: STAD-18, Drinking Water Lead Analysis
HawkMtn WO #: 1912-00985-018
Sampler: CLIENT
Sample Point ID: STAD-18

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	0.00114 mg/L	1	0.001	EPA 200.8		KLM	1/14/20 17:18	

Material Tested: Potable Water
Date Sampled: 12/27/2019 Time Sampled: 12:22
Date Received: 12/30/2019
Client Sample ID: STAD-19, Drinking Water Lead Analysis
HawkMtn WO #: 1912-00985-019
Sampler: CLIENT
Sample Point ID: STAD-19

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
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: 12/27/2019 Time Sampled: 12:25
Date Received: 12/30/2019
Client Sample ID: STAD-20, Drinking Water Lead Analysis
HawkMtn WO #: 1912-00985-020
Sampler: CLIENT
Sample Point ID: STAD-20

Test Name	Test Results	Dilution Factor	Quant Limit	Method	Qual	Tech	Start Date/Time	End Date/Time
Lead, DW ICP-MS	<0.001 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			HawkMtn WO #:	1912-00985-021
Date Sampled:	12/27/2019	Time Sampled:	12:18	Sampler:	CLIENT
Date Received:	12/30/2019			Sample Point ID:	STAD-21
Client Sample ID:	STAD-21, Drinking Water Lead Analysis				

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

ND = Non Detect

These results relate only to the sample noted above.

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Jeff Gittleman, Lab Director

PA DEP 40-417
EPA PA00169

Work Order #: **1912-00985** 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:

Printed By: AH

Bottles made by: CIT

Approved By: ALP

Checked By: HH

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

Grab
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____

Smp#	Bottle	Preservative	Rcvd	Smp#	Bottle	Preservative	Rcvd
001	Copper/Lead ~~1L Graduated~~	HNO3	☑	010	Copper/Lead ~~1L Graduated~~	HNO3	☑
002	Copper/Lead ~~1L Graduated~~	HNO3	☑	011	Copper/Lead ~~1L Graduated~~	HNO3	☑
003	Copper/Lead ~~1L Graduated~~	HNO3	☑	012	Copper/Lead ~~1L Graduated~~	HNO3	☑
004	Copper/Lead ~~1L Graduated~~	HNO3	☑	013	Copper/Lead ~~1L Graduated~~	HNO3	☑
005	Copper/Lead ~~1L Graduated~~	HNO3	☑	014	Copper/Lead ~~1L Graduated~~	HNO3	☑
~~006~~	~~Copper/Lead 1L Graduated~~	~~HNO3~~	☐	015	Copper/Lead ~~1L Graduated~~	HNO3	☑
007	Copper/Lead ~~1L Graduated~~	HNO3	☑	016	Copper/Lead ~~1L Graduated~~	HNO3	☑
008	Copper/Lead ~~1L Graduated~~	HNO3	☑	017	Copper/Lead ~~1L Graduated~~	HNO3	☑
009	Copper/Lead ~~1L Graduated~~	HNO3	☑	018	Copper/Lead ~~1L Graduated~~	HNO3	☑

Samples 18 thru 21 rec'd 807 HNO3. SG 12/30/19

Smp #	Smp Site	Matrix/ Smp Type	Tests	Temp Upon Receipt	Sample Date	Sample Time	Field pH	Field Cl	Field Temp
001	STAD-01, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	2.4 °C	12/27/19	11:50 AM		mg/L	°C
002	STAD-02, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.8 °C		12:27 PM		mg/L	°C
003	STAD-03, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.2 °C		11:55 AM		mg/L	°C
004	STAD-04, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	4.6 °C		11:56 AM		mg/L	°C
005	STAD-05, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	4.3 °C		11:57 AM		mg/L	°C
006	STAD-06, Drinking Water Lead Analysis	Potable Water	DW-PB-MS Not Used	°C				mg/L	°C
007	STAD-07, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.9 °C		12:01 PM		mg/L	°C
008	STAD-08, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.9 °C		12:01		mg/L	°C
009	STAD-09, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.8 °C		12:03		mg/L	°C
010	STAD-10, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.9 °C		12:18		mg/L	°C

Receipt Info: Recieved on ice? (Y) / N COC intact and complete? (Y) / N Adquate samples? (Y) / N Completed by: _____
Samples intact? (Y) / N Correct containers? (Y) / N Volatiles: Headspace present? Y / (N) Samples/COC/Analysis agreed? (Y) / N

Sampled By: Chris Natale / Brad Tyson

Field Meter ID: N/A

Notes:
White out applied by client before receipt at HML.

All samples taken in 250mL plastic HNO3 preserved bottles.

		Date	Time
RELINQUISHED BY:	Brad Tyson	12/30/19	12:02
RECEIVED BY:			
RELINQUISHED BY:			
RECEIVED AT LAB:	Lauren Gittleman	12/30/19	1202
LOGGED IN AT LAB:	Lauren Gittleman QC	12/30/19	1343

Work Order #: **1912-00985** 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:

Printed By: AH

Bottles made by: CLT

Approved By: AP

Checked By: HH

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

Grab
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____

019-021: 250mL Plastic HNO_3

Smp #	Smp Site	Matrix/ Smp Type	Tests	Temp Upon Receipt	Sample Date	Sample Time	Field pH	Field Cl	Field Temp
011	STAD-11, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	5.3 °C	12/27/19	12:18 pm		mg/L	°C
012	STAD-12, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	2.9 °C		12:18		mg/L	°C
013	STAD-13, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.1 °C		12:06		mg/L	°C
014	STAD-14, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	2.8 °C		12:11		mg/L	°C
015	STAD-15, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	4.7 °C		12:09		mg/L	°C
016	STAD-16, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	4.3 °C		12:07		mg/L	°C
017	STAD-17, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	4.4 °C		12:07		mg/L	°C
018	STAD-18, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	4.6 °C		12:22		mg/L	°C
019	STAD-19, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	1.7 °C		12:22		mg/L	°C
020	STAD-20, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	3.8 °C		12:25		mg/L	°C

Receipt Info: Recieved on ice? (Y) / N Samples intact? (Y) / N COC intact and complete? (Y) / N Correct containers? (Y) / N Adquate samples? (Y) / N Volatiles: Headspace present? Y / (N) Completed by: SLS Samples/COC/Analysis agree? (Y) / N

Sampled By: Christ Nestair / BRENT Myers

Field Meter ID: NIX

Notes:

All samples taken in 250mL plastic HNO3 preserved bottles.

		Date	Time
RELINQUISHED BY:	[signature]	12/30/19	12:02
RECEIVED BY:			
RELINQUISHED BY:			
RECEIVED AT LAB:	[signature]	12/30/19	12:02
LOGGED IN AT LAB:	[signature]	12/30/19	1343

Work Order #: **1912-00985** 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:
Printed By: AH
Bottles made by: CLT

Approved By: ALP
Checked By: LH

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
021	STAD-21, Drinking Water Lead Analysis	Potable Water	DW-PB-MS	5.8 °C	12/27/19	12:18 p.m.		mg/L	°C

Receipt Info: Recieved on ice? (Y) / N Samples intact? (Y) / N COC intact and complete? (Y) / N Correct containers? (Y) / N Adquate samples? (Y) / N Volatiles: Headspace present? ~~Y~~ / ~~N~~ Completed by: SLS Samples/COC/Analysis agree? (Y) / N BU

Sampled By: Chris Hosta / Brent Trio NIX
Field Meter ID:

Notes:

All samples taken in 250mL plastic HNO3 preserved bottles.

		Date	Time
RELINQUISHED BY:	Brent Trio	12/30/19	1210p
RECEIVED BY:			
RELINQUISHED BY:			
RECEIVED AT LAB:		12/30/19	1202
LOGGED IN AT LAB:		12/30/19	1343

QSP-008-F02B Rev 004

12/11/2019