

Foster Plaza 8 Suite 400, 730 Holiday Drive Pittsburgh, PA 15220 t 412-503-4343 gannettfleming.com

December 7, 2023

Dr. Eric Ritzert, Superintendent Karns City Area School District Administrative Office 1446 Kittanning Pike Karns City, PA 16041

> Subject: Karns City Area School District Potable Water Lead Testing Results

Dear Dr. Ritzert:

Gannett Fleming is pleased to submit a report of the results from the lead testing of potable water fixtures in the District's facilities.

The Junior / Senior High School receives its potable water from Petroleum Valley Regional Water Authority. Sugar Creek Elementary receives its water from Pennsylvania American Water and the Chicora Elementary receives its water from the Chicora Borough Water supply.

In 2018, the Pennsylvania Department of Education amended the Public School Code to encourage school districts to conduct testing for lead in drinking water from fixtures used for human consumption. If the testing reveals lead in excess of the drinking water action level the district is to implement a plan to address lead in the drinking water.

The Department of Education requirements reference the USEPA 3Ts for Reducing Lead in Drinking Water Tool Kit for guidance on how to conduct the sampling. The 3Ts Tool Kit recommends testing at every fixture used for drinking water or for food preparation. Fixtures not used for consumption purposes, such as water fixtures used by staff for housekeeping or faucets in restrooms do not need to be sampled if there is no reason to believe these fixtures are used for consumption. Fixtures known or suspected to not be used for consumption, such as sinks in classrooms, do not need to be sampled.

Sampling for lead and copper content in the drinking water was conducted by Gannett Fleming personnel on November 15, 2023 at each of the schools. The sampling locations were selected based upon the criteria presented above. Drinking water regulations set the lead "Action Level" at 15  $\mu$ g/L and a copper action level of 1.3 mg/L in first draw one liter samples. If any of the samples collected exceed these action levels, the district should take actions to remove the fixture from service and conduct an investigation to determine the cause of the exceedance.

# **Chicora Elementary School**

A total of five samples were collected from the Chicora Elementary School. Of the five samples collected, one exceeded the 15  $\mu$ g/L action level. The sample collected from the Kitchen Sink 1

## **Gannett Fleming**

Dr. Eric Ritzert, District Superintendent December 7, 2023 Page 2

contained 25.5  $\mu$ g/L of lead in the first draw sample. Follow-up sampling was conducted on December 1, 2023. All three of the kitchen sinks were sampled and none of those samples showed a reportable level of lead.

# Sugar Creek Elementary

A total of six samples were collected from the Sugar Creek Elementary School. None of the six samples collected exceeded the lead action level.

# Junior / Senior High School

A total of 10 samples were collected from the Junior / Senior High School. None of the 10 samples exceeded the lead action level. However, one sample, the Handicap Fountain located outside of the District Offices had a copper level slightly in excess of the copper action level – 1.3 mg/L. The sample contained 1.34 mg/L of copper. Resampling of that fixture for lead and copper was conducted on December 1, 2023 and the sample contained 0.321 mg/L of copper; well under the copper action level.

The results of the sampling conducted on November 15, 2023 and resampling conducted on December 1, 2023 indicate that locations from which the samples were collected provided water that was under the lead and copper action levels.

Gannett Fleming would like to thank the District's administrative and maintenance staff for their assistance in competing this project. Please feel free to contact us if you have any questions or comments.

Sincerely, GANNETT FLEMING, INC.

# Eric 7. Buzza

Eric T. Buzza Project Manager

Attachments

cc: Steve Andressi, Karns City School District GF File



### Lab Analysis Report

## Work Order Case Narrative

WO# 23K1647 AMENDED. This report supersedes all prior report revisions. Amendment Date: 11/30/23 Initials: CMT Amendment Reason: Per client, corrected "Chicora Jr./Sr. High School" to "Karns City Jr./Sr High School"

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: JHS Handicap Fountain** Collection Method: Grab Sample Number: 23K1647-01 Collection: 11/15/2023 10:37 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result		RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals								
Copper	754		100	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00	C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: SHS Home Ec Sink 4** Collection Method: Grab Sample Number: 23K1647-02 Collection: 11/15/2023 10:48 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	212	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: Band Room Handicap Fountain** Collection Method: Grab Sample Number: 23K1647-03 Collection: 11/15/2023 10:50 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	933	100	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Bosting

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: SHS Locker Bottle Filler** Collection Method: Grab Sample Number: 23K1647-04 Collection: 11/15/2023 10:44 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	196	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: JHS Locker Bottle Filler** Collection Method: Grab Sample Number: 23K1647-05 Collection: 11/15/2023 10:40 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result		RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals								
Copper	80.1		10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00	C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: Nurse's Suite Sink** Collection Method: Grab Sample Number: 23K1647-06 Collection: 11/15/2023 10:42 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result		RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals								
Copper	421		10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	2.13	C1	1.00	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: District Office Handicap Fountain** Collection Method: Grab Sample Number: 23K1647-07 Collection: 11/15/2023 10:33 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	1340	100	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	4.13 C	1 1.00	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Bosting

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: District Offcie Bottle Filler** Collection Method: Grab Sample Number: 23K1647-08 Collection: 11/15/2023 10:30 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	160	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: Kitchen Sink** Collection Method: Grab Sample Number: 23K1647-09 Collection: 11/15/2023 10:28 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	426	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	1.14	C1 1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: Athletic Bottle Filler** Collection Method: Grab Sample Number: 23K1647-10 Collection: 11/15/2023 10:25 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result		RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals								
Copper	121		10.0	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00	C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



Lab Analysis Report

### **Sample Comments**

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for LEAD. (<0.015 mg/L)

Paul Boshing

Paul Bookmyer, Technical Director

Lab # 03-457				r	))šš	((			IUI Parkvi Phone: 72/	ew Vrive e 4-543-3011	:xt Kıttanı   Fax: 724	101 Parkview Urive Ext Kittanning PA 16201 Phone: 724-543-3011 Fax: 724-543-6768
Client Name: Karns City	Karns City School District		Contact Name: Steve Andreassi	ve Andre	eassi		PWSID#		NPDES#			
Address: 1446 Kittanning Pike	ina Pike		Phone: 724-756-2030	2030	Cell:	724-991-7151	Reportable Sample:		RUSH Sample:	ample:		
Karns City F	Karns City PA 16041-1818		Email:				Check Sample:			See Cod	See Codes Below	
CWM Lab #	Sample Site Co	DATE Sampled	GRAB Time Sampled	COMPOSITE Start / End	LAB	Test/Analysis Requested	Field Data/Comments	Comments	Preservative	Matrix	Sample Type	Bottle Type # of Bottles
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Sampled by	Date	Ime Internet	Preservative Key: ST =	ST = Sodium Thiosulfate	niosulfate	A = Ascorbic Acid H = HNO3	C = HCL S	= H2SO4 OH	= NaDH	0 = Other	er NA =	= None
90	~		Matrix Key: DW - Drir	DW - Drinking W <mark>a</mark> ter		Rec - Pool/Recreation Water NPW -	- Non Potable Water	later R - Raw	- 2	Soil, Solid, Sludge	Sludge	F - Fuel
Received by			Sample Type: C = Composite	nposite G	= Grab	M = Micropurge		Bottles:	: P = plastic	- 	glass	0 = other
Relinquished by	the share		Sample Comments:									
Received in Lab by		11/15/23 1200	Sample Conditions: Y	N COC V	COC w/ samples	N Meets Hold Times Y N	Containers Intact Y	N Correct bottles for tests	les for tests	N	Correct # o	Correct # of bottles listed
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## Lab Analysis Report

Customer: Karns City School District Project: Karns City Jr/Sr High School **Sample: Dist. Off, Handicap Fountain** Collection Method: Grab Sample Number: 23L0938-01 Collection: 12/01/2023 12:20 Received: 12/01/2023 12:48 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	321	10.0	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8
Lead	1.19	C1 1.00	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

#### **Sample Comments**

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for LEAD. (<0.015 mg/L)

Paul Bosting

Paul Bookmyer, Technical Director

Lab # 03-457			Phone: 72/	Phone: 724-543-3011 Fax: 724-543-6768	Fax: 724	Phone: 724-543-3011 Fax: 724-543-6768	88
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Client Name: Contact Name: Steve Andreassi	lreassi	PWSID#	NPDES#				
Karns City School District	<sup>Cell:</sup> 724-991-7151	Reportable Sample:	RUSH Sample:	ample:			
Karns City. PA 16041-1818		Check Sample:		See Codes Below	s Belov	2	
DATT			ervative	trix	ple Type	le Type	Bottles
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of the loop of the APT 12.123 12:200 /	12.4 Leas CODE		ST	DW	G	P	U
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Sampled by Steven for a sol (Date 2, 1,23 Time: Preservative Key: ST = Sodiu	ST = Sodium Thiosulfate A = Ascorbic Acid H = HND3	C = HCL S = H2SD4	: NaOH	0 = Other	1	= None	-
Relinquished by State 12/123 VLVS Matrix Key: DW - Drinking Water	Rec - Pool/Recreation Water	NPW - Non Potable Water R - Re	-	lid,	agpuls		
Received by C = Composite	G = Grab M = Micropurge	Bottles:		plastic li =	glass	D = Other	-
Relinquished by Sample Comments:	~	×					
Received in Lab by TOV 12/1123 1248 Sample Conditions: ON	CDC w/ samples 🕅 N Meets Hold Times 🕐 N	Containers Intact 🕐 N Correct br	Correct bottles for tests		Correct # c	Correct # of bottles listed	sted

101 Parkview Drive Ext Kittanning PA 16201



### Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary Sample: Library Bottle Filler Collection Method: Grab Sample Number: 23K1651-01 Collection: 11/15/2023 09:11 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	17.8	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C	1a 1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary Sample: Computer Lab Filler Collection Method: Grab Sample Number: 23K1651-02 Collection: 11/15/2023 09:07 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	69.8	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	a 1.00	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary Sample: Primary Wing Bottle Filler Collection Method: Grab Sample Number: 23K1651-03 Collection: 11/15/2023 09:17 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	13.2	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	la 1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary **Sample: Gym Filler** Collection Method: Grab Sample Number: 23K1651-04 Collection: 11/15/2023 09:20 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	29.6	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00	C1a 1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary **Sample: Kitchen Sink** Collection Method: Grab Sample Number: 23K1651-05 Collection: 11/15/2023 09:25 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	237	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	25.5	C1 1.00	μg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

#### **Sample Comments**

- C1 This sample does NOT PASS the Pennsylvania DEP standards for safe drinking water for LEAD. (<0.015 mg/L)
- C1a This sample does PASS the Pennsylvania DEP standards for safe drinking water for LEAD. (<0.015 mg/L)

Paul Bosting

Paul Bookmyer, Technical Director

				E POWER BUILDE MENTE				
Client Name: Karns City School District	District	Contact Name:	Steve Andreassi	assi	PWSID#	NPDES#	#	
Address: 1446 Kittanning Pike		Phone: 724-7	724-756-2030	<sup>Cell:</sup> 724-991-7151	Reportable Sample:	RUSH	RUSH Sample:	
Karns City PA 16041-1818	1-1818	Email:			Check Sample:	]	See Codes Below	Reinw
CWM Lab # Sample Site	Collection Point	DATE GRAB Sampled Time Sampled	COMPOSITE Start / End	LAB Temps Test/Analysis Requested	sted Field Data/Comments	Preservative	Matrix	Sample Type Bottle Type # of Bottles
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1	ALLAN LI NCK L	104H	7/ /	Lead and Copper	ł	т	DW G	₹ T
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03.15	Pridary	215	/	SI Lead and Copper		т	DW G	P (1
CH YA	57 1 K27	920	/	Lead and Copper		Ŧ	DW G	P (1
Sampled by	Date Jich & Time	Preservative Key: S	ST = Sodium Thiosulfate	sulfate A = Ascorbic Acid H =	HNO3 C = HCL S = H2SO4	DH = NaDH	0 = Other	NA = None
Relinquished by Am	1	Matrix Key: DW - D	DW - Drinking Water	Rec - Pool/Recreation Water	NPW - Non Potable Water R	- Raw S -	Soil, Solid, Sludge	udge F - Fuel
Received by		Sample Type: C =	= Composite G =	G = Grab M = Micropurge		Bottles: P = plastic	stic G = glass	ass () = other
Relinquished by	Spensor .	Sample Comments:	)					
	11/5/23 1200	Sample Conditions: Y	Y N COC w/ samples	samples Y N Meets Hold Times Y	N Containers Intact Y Corr	Correct bottles for texts	Y N Corr	Correct # of bottles listed
Rev UDD2Z	M.C.		10 g (10 g (					

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Correct # of bottles listed	Correct #	Sts Y N	Correct bottles for tests Y	N Correct b	Containers Intact Y	N Meets Hold Times (Y) N	COC w/ samples Y	N	Sample Conditions: Y	1200 San	1415/23		Received in Lab by	Receiv
								5	Sample Comments:	Sar		a hans	Relinquished by	Reling
0 = other	sselb =	plastic G =		Bottles:		M = Micropurge	G = Grab M =	= Composite	Sample Type: C	San		>	red by	Received by
F - Fuel	Sludge	Soil, Solid, Sludge	Raw S -	R -	- Non Potable Water	Pool/Recreation Water NPW -	Rec -	- Drinking Water	Matrix Key: DW -		, V ,		Relinquished by	Reling
= N		1 () = ()ther	DH = NaDH	HZSO4	C = HCL S =	A = Ascorbic Acid H = HNO3	ST = Sodium Thiosulfate 4	ST = Sodiu	Preservative Key:		Date: 1/SQJ In	¥.	ed by M. C.	Sampled by
P -1	G	DW	Т			Lead and Copper		`						
P	G	DW	Ŧ			Lead and Copper	5 - 25	`						
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	G	DW	Ξ			Lead and Copper	151	`	828	CIN AN	Kiterenseer 1/15	Chicala	Str	4
Bottle Type # of Bottles	Sample Type	Matrix	Preservative	Jomments	Field Data/Comments	Test/Analysis Requested	LAB Temps	COMPOSITE Start / End	GRAB Time Sampled	DATE Sampled	Collection Paint	Sample Site	CWM Lab #	2
4	See Codes Below	See Co	-		Check Sample:				Email:		8	Karns City PA 16041-1818	Karns City P	
					Каригариа сатриа.	724-991-7151	Gelli	724-756-2030	Phone: 724			ing Pike	ss: 1446 Kittanning Pike	Address:
		IPDES# RIISH Samole:	RIISH Sa		PWSID#			Steve Andreassi	Contact Name:		¢	Karns City School District	Client Name: Karns City (	Client
ıning PA 16; 4-543-6761	Ext Kittaı 111 Fax: 72	101 Parkview Drive Ext Kittanning PA 16201 Phone: 724-543-3011 Fax: 724-543-6768	101 Par		NOT RECEIVED	2	MARKIN I	L.	4 A A	E	Andreassia KEASD KIZ	SANDre	CHAIN OF CUSTODY Lab # 03-457	CHAIN Lab #
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## Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary Sample: Kitchen Sink #1 Collection Method: Grab Sample Number: 23L0936-01 Collection: 12/01/2023 12:03 Received: 12/01/2023 12:48 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	12.3	10.0	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8
Lead	<1.00	C1 1.00	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary Sample: Kitchen Sink #2 Collection Method: Grab Sample Number: 23L0936-02 Collection: 12/01/2023 12:07 Received: 12/01/2023 12:48 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	12.7	10.0	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8
Lead	<1.00	C1 1.00	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Chicora Elementary Sample: Kitchen Sink #3 Collection Method: Grab Sample Number: 23L0936-03 Collection: 12/01/2023 11:59 Received: 12/01/2023 12:48 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	15.0	10.0	µg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8
Lead	<1.00 C1	1.00	μg/ L	12/02/2023 09:59	12/02/2023 13:40	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



Lab Analysis Report

### **Sample Comments**

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for LEAD. (<0.015 mg/L)

Paul Bosting

Paul Bookmyer, Technical Director

listed	Correct # of bottles listed		sts N	ttles for te:	N Correct bottles for tests Y	Containers Intact 🕐 N	N Meets Hold Times V N	COC w/ samples	z	Sample Conditions: 🕅	1248 Sam	12/1/23 1	rel	Received in Lab by
										Sample Comments:	Sam			Relinquished by
other		sselb = 9	plastic 6		Bottles:		M = Micropurge	Grab	= Composite G =	Sample Type: C = (	Sam			Received by
<u> </u>		Sail, Salid, Sludge	- Sail, Sali	W S -	er R-Raw	/ - Non Potable Water	Pool/Recreation Water NPW -	Rec -	Drinking Water		124 Matr	23	apren	Relinquished by
	NA = None	Other N	H 0 = 0	DH = NaDH	HZSO4 OH	C = HCL S =	A = Ascorbic Acid H = HNO3	iosulfate	ST = Sodium Thiosulfate	1 1	Time:	, Date, 2 , 1,2 ≤ Tim	Steve Andreass	Sampled by Steve A
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N →	σ	G	DW	ST					`					
-	σ	G	DW	ST					/	12:03pm		Suk #1	Aen	-
9	P	G	DW	ST			. Lead & Copper	12.4	ľ,	T	121,23	Kitchen	CHICORA	-01
# of Bottles	Bottle Type	Sample Type	Matrix	Preservative	mments	Field Data/Comments	Test/Analysis Requested	LAB Temps	COMPOSITE Start / End	GRAB Time Sampled	DATE Sampled	Collection Point	Sample Site	2360936 EWM Lab #
	low	See Codes Below	See C			Check Sample:				Email:			Karns City, PA 16041-1818	Karns City, P.
			Kuan aampie:	KUZ		Reportable Sample:	724-991-7151	Cell:	6-2030	<sup>- Phone:</sup> 724-756-2030			ing Pike	Address: 1446 Kittanning Pike
	-			NPDES#		PWSID#		assi	Steve Andreassi	Contact Name: St			Karns City School District	Client Name: Karns City S
/16201	tanning PA 724-543-67	ve Ext Kitt 3011 Fax: 7	101 Parkview Drive Ext Kittanning PA 16201 Phone: 724-543-3011 Fax: 724-543-6768	101 Par Phone:										CHAIN OF CUSTODY Lab # 03-457



## Lab Analysis Report

Customer: Karns City School District Project: Sugar Creek Elementary Sample: Primary Wing Bottle Filler Collection Method: Grab Sample Number: 23K1653-01 Collection: 11/15/2023 09:45 Received: 11/15/2023 12:00 Matrix: DW

<sub>Cert</sub> Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	150	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Sugar Creek Elementary Sample: Nurse's Sink Collection Method: Grab Sample Number: 23K1653-02 Collection: 11/15/2023 10:00 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	65.1	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Sugar Creek Elementary Sample: Secondary Boy's Bathroom Fountain Collection Method: Grab Sample Number: 23K1653-03 Collection: 11/15/2023 09:50 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result		RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals								
Copper	112		10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00	C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



## Lab Analysis Report

Customer: Karns City School District Project: Sugar Creek Elementary Sample: Secondary Girl's Bathroom Fountain Collection Method: Grab Sample Number: 23K1653-04 Collection: 11/15/2023 09:53 Received: 11/15/2023 12:00 Matrix: DW

<sub>Cert</sub> Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	73.1	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Sugar Creek Elementary Sample: Kitchen Prep Sink Collection Method: Grab Sample Number: 23K1653-05 Collection: 11/15/2023 09:55 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	213	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00 C1	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



### Lab Analysis Report

Customer: Karns City School District Project: Sugar Creek Elementary **Sample: Gym Filler** Collection Method: Grab Sample Number: 23K1653-06 Collection: 11/15/2023 09:58 Received: 11/15/2023 12:00 Matrix: DW

Cert Analyte	Result	RL	Units	Prep Date	Analysis Date	Analyst	Method
Metals							
Copper	190	10.0	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8
Lead	<1.00	1.00	µg/ L	11/17/2023 11:34	11/17/2023 14:57	MTW	EPA 200.8

Paul Boshing

Paul Bookmyer, Technical Director



Lab Analysis Report

### **Sample Comments**

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for LEAD. (<0.015 mg/L)

Paul Bosting

Paul Bookmyer, Technical Director

Lab # 03-457			,			ą <b>))</b>		on ICE		Phane: 724	1-543-3011 Fa	Phone: 724-543-3011 Fax: 724-543-6768
Client Name: Karns City S	Karns City School District			Contact Name: Steve Andreassi	teve And	reassi		PWSID#		NPDES#		
Address: 1116 Kittonning Diko	na Dika			Phone: 724-75	724-756-2030		Cell: 724-991-7151	Reportable Sample:		RUSH Sample:	ample:	
Karns City P/	Karns City PA 16041-1818			Email:		5		Check Sample:			See Codes Below	Below
CWM Lab #	Sample Site	Callection Paint	DATE Sampled	GRAB Time Sampled	COMPOSITE Start / End	LAB	Test/Analysis Requested	Field Data/Comments	Comments	Preservative	Matrix	Sample Type Bottle Type
Children and Child	chicald	Kitchense	of Wish	e zi	~	5	Lead and Copper	IN ON	15(23	т	DWG	P
0 20	V	Primerz		They a	~		Lead and Copper			т	DW G	U U
ora		Charles .		1000	~	N.	Lead and Copper			т	DW G	P
103-18		Secondary)		80	~	び	Lead and Copper			н	DW G	P
the to		Sich ad early		45°3	~	15.1	Lead and Copper			т	DWG	Р
25/20		North A		955	`	5	Lead and Copper			н	DW G	P
\$ w	_	EN CO		B,56	~	5	Lead and Copper			н	DW G	P
	23K1653				/		, ארי and Copper			н	DWG	٦
					`		Lead and Copper			н	DWG	ע
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					~		Lead and Copper			т	DW G	٦
Sampled by M	Date:	ILS 25 Time:	10 Press	Preservative Key: ST	ST = Sodium Thiosulfate	Thiosulfate	A = Ascorbic Acid H = HNO3	C = HCL S =	= H2SO4 OH	= NaDH	0 = Other	NA = None
Relinquished by	*			Matrix Key: DW - Dı	DW - Drinking Water	er Rec-	- Pool/Recreation Water NPW -	- Non Potable Water	ater R - Raw	5	Soil, Solid, Sludge	dge F-Fuel
Received by	>		Samp	Sample Type: C = C	- Composite	G = Grab	M = Micropurge		Bottles:	: P = plastic	tic G = glass	ss 0 = other
Relinquished by	and and		Samp	Sample Comments:								
Received in Lab by	ALL IN	115/23 12		Sample Conditions: Y	Y	COC w/ samples	Y N Meets Hold Times Y N Cu	Containers Intact Y	Correct bottles for tests	1 1	Y N Corr	Correct # of bottles listed

CHAIN OF CUSTODY Lab # 03-457	Andre	Andreassia KEASD KIZ	KEA	SPR	2			NOT RECEIVED on ICE		101 Parkv Phone: 72	101 Parkview Drive Ext Kittanning PA 16201 Phone: 724-543-3011 Fax: 724-543-6768	ct Kitti Fax: 7	anni 24-:
Client Name: Karns City S	Karns City School District	÷		Contact Name: Steve Andreassi	teve And	dreassi		PWSID#		NPDES#			
Address: 1446 Kittanning Pike	ng Pike			<sup>Phone:</sup> 724-75	724-756-2030		<sup>Cell:</sup> 724-991-7151	Reportable Sample:		RUSH S	RUSH Sample:		
Karns City P	Karns City PA 16041-1818			Email:		×		Check Sample:			See Cod	Codes Below	2
CWM Lab #	Sample Site	Collection Point	DATE Sampled	GRAB Time Sampled	COMPOSITE Start / End		Test/Analysis Requested	Field Data/Comments	omments	Preservative	Matrix	Sample Type	Bottle Type
CASO -	chicalo	Kerenne	1011 4	925	/	5	Lead and Copper	AD IIVIS	(23	т	DW	G	<b>v</b>
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104-10-		Find a tra		£57	`	151	Lead and Copper			н	DW	G	Р
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4 20	_	EXIL C		8°,8	~	5	Lead and Copper			н	G MG	ч, ч,	-
	23K1653				/		י אחd Copper			т	DW	G P	-
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			×		/		Lead and Copper			н	DW G	- "	
					~		Lead and Copper		-	т	DW G		
Sampled by M	9	Date: 15 2 Time:	Prese	Preservative Key: 8	ST = Sodium Thiosulfate	Thiosulfat	e A = Ascorbic Acid H = HNO3	C = HCL S =	H2SO4 OH	= NaDH	0 = Other	• NA = None	
Relinquished by			Matrix Key:		DW - Drinking Water	ter Rec-	- Pool/Recreation Water NPW -	- Non Potable Water	er R-Raw	5	Soil, Solid, Sludge		-71
Received by			Sampli	Sample Type: C = C	- Composite	G = Grab	M = Micropurge		Bottles:	P = plastic		glass D	п
Relinquished by	han		Samp	Sample Comments:									
Received in Lab by		115/73 12	100 Samp	Sample Conditions: Y	Y	COC w/ samples	Y Meets Hold Times Y N Co	Containers Intact Y	N Correct bottles for tests	es for tests	V N U	Correct # of bottles listed	<u> </u>
Rev 000222	114	-	-				(						