



ST. LOUIS
123 N. Main Street
St. Charles, Missouri 63301
Phone: 636-757-3060

DALLAS/FORT WORTH
2235 St. Andrew Drive
Highland Village, Texas 75077
Phone: 214-735-8055

April 3, 2024

Mr. Michael Smith
Director of Operations
Ritenour School District
2420 Woodson Road
St. Louis, MO 63114

Via: smithm@ritenourschools.org

Re: Lead In Drinking Water Sampling
Kratz Elementary School - Resampling
March 19, 2024

Dear Michael,

This letter will serve as our report concerning the water resampling of the previous elevated test result locations at Kratz Elementary School on March 19, 2024, for compliance with the State of Missouri Title XI, Chapter 160.077, "Get The Lead Out of School Drinking Water Act". The initial sampling was conducted January 15, 2024.

Potable water sources for drinking or food preparation such as sinks, faucets, water fountains, ice makers, etc., were identified and first draw water samples were collected after a stagnation period of at least eight hours. Two hundred and fifty milliliter non-preservative plastic containers were utilized for the sample collection. The water samples were analyzed by EPA 200.8 methods at a laboratory accredited for analysis of drinking water by the National Environmental Laboratory Accreditation Program (NELAP) and the Illinois EPA (ILEPA). Results are reported in micrograms per liter ($\mu\text{g/L}$), which is the same as parts per billion (ppb). Water sample results must be less than ($<$) 5.0 $\mu\text{g/L}$ or ppb, per the regulation. Results above 5.0 $\mu\text{g/L}$ require corrective actions.

Five sample results from the testing on January 15, 2024, were above the mandated threshold of $<5.0 \mu\text{g/L}$. Corrective actions were implemented for the five locations and the five locations were resampled. The results for the resampled locations ranged from 1.0 $\mu\text{g/L}$ to 21 $\mu\text{g/L}$. It appears the corrective actions were successful for one location and unsuccessful for the other four locations. Sample locations and laboratory results are contained in the attached table.

Sincerely,

Gregory K. Young
Senior Project Manager

TABLE 2
Lead Re-Sampling Results
Kratz Elementary (March 19, 2024)

Sample ID	Location	Results (µg/L)
KRA(R)-1	Ground Floor, Classroom 010, Sink Water Fountain	1.0
KRA(R)-2	Ground Floor, Classroom 008, Sink Water Fountain	19
KRA(R)-3	Ground Floor, Classroom 008, Sink Faucet	21
KRA(R)-4	Ground Floor, Classroom 006, Right Sink	14
KRA(R)-5	Ground Floor, Kitchen, Pot Filler Near Stove	15

Note:

µg/L – micrograms per liter



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

April 01, 2024

Greg Young
Jurgiel & Associates, Inc.
123 North Main Street
St. Charles, MO 63301

RE: Ritenour Drinking Water - Kratz Elem.

Dear Greg Young:

Please find enclosed the analytical results for the **5** sample(s) the laboratory received on **3/20/24 2:40 pm** and logged in under work order **HC03434**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order HC03434

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



ANALYTICAL RESULTS

Sample: HC03434-01
Name: KRA(R) - 1
Matrix: Drinking Water - Grab

Sampled: 03/19/24 08:00
Received: 03/20/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.0	ug/L		03/26/24 09:00	1	1.0	03/26/24 10:58	BRS	EPA 200.8 REV 5.4
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Sample: HC03434-02
Name: KRA(R) - 2
Matrix: Drinking Water - Grab

Sampled: 03/19/24 08:00
Received: 03/20/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	19	ug/L		03/26/24 09:00	1	1.0	03/26/24 11:02	BRS	EPA 200.8 REV 5.4
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Sample: HC03434-03
Name: KRA(R) - 3
Matrix: Drinking Water - Grab

Sampled: 03/19/24 08:00
Received: 03/20/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	21	ug/L		03/26/24 09:00	1	1.0	03/26/24 11:03	BRS	EPA 200.8 REV 5.4
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Sample: HC03434-04
Name: KRA(R) - 4
Matrix: Drinking Water - Grab

Sampled: 03/19/24 08:00
Received: 03/20/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	14	ug/L		03/26/24 09:00	1	1.0	03/26/24 11:05	BRS	EPA 200.8 REV 5.4
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Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

ANALYTICAL RESULTS

Sample: HC03434-05

Name: KRA(R) - 5

Matrix: Drinking Water - Grab

Sampled: 03/19/24 08:00

Received: 03/20/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Lead	15	ug/L		03/26/24 09:00	1	1.0	03/26/24 11:06	BRS	EPA 200.8 REV 5.4



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Chenise Lambert-Sykes, Project Manager





PACE ANALYTICAL SERVICES
WWW.PACELABS.COM

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MD

PAGE 1

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT <u>JOHNA JURGIEL & ASSOCIATES, INC.</u>		PROJECT NUMBER <u>RITENDOUR</u>		PROJECT LOCATION <u>Kratz Dam</u>		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # <u>HCO3A34</u> LOGGED BY: <u>SHB</u> CLIENT: _____ PROJECT: _____ PROJ. MGR.: _____ CUSTODY SEAL #: _____			
ADDRESS <u>123 N. MAIN ST.</u>		PHONE NUMBER <u>636-757-3060</u>		E-MAIL <u>gyoung@jurgiel.com</u>		DATE SHIPPED <u>3/19/24</u>		MATRIX TYPES: WW- WASTEWATER GW- GROUND WATER WWSL- SLUDGE WAS- NON AQUEOUS SOLID LCH- LEACHATE OIL- OIL SO- SOIL SOL- SOLID				REMARKS			
CITY STATE ZIP <u>ST. CHARLES, MD 63301</u>		SAMPLER (PLEASE PRINT) <u>Kevin Obermiller</u>		SAMPLER'S SIGNATURE <u>Kevin Obermiller</u>											
CONTACT PERSON <u>GREG YOUNG</u>		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED		LEAD (EPA 200.8) X	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)															
<u>KRA(R)-1</u>		<u>3/19/24</u>		<u>8:00am</u>		<u>X</u>		<u>DW</u>		<u>1</u>					
<u>-2</u>															
<u>-3</u>															
<u>-4</u>															
<u>-5</u>															
CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER															
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) <u>NORMAL</u> RUSH RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:						DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) <u>GY</u>							
7 RELINQUISHED BY: (SIGNATURE) <u>Kevin Obermiller</u>		DATE <u>3/19/24</u>		TIME <u>4:00pm</u>		RECEIVED BY: (SIGNATURE) <u>Greg Young</u>		DATE <u>3/20/24</u>		TIME <u>10:40</u>		8 COMMENTS: (FOR LAB USE ONLY)			
RELINQUISHED BY: (SIGNATURE) <u>Greg Young</u>		DATE <u>3/20/24</u>		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME		SAMPLE TEMPERATURE UPON RECEIPT _____ °C TEMPERATURE GUN ID _____ CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____			
RELINQUISHED BY: (SIGNATURE) <u>Greg Young</u>		DATE		TIME		RECEIVED BY: (SIGNATURE) <u>Greg Young</u>		DATE <u>3/20/24</u>		TIME <u>1440</u>					

lower