



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 22, 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
Hoech Middle School - Resampling
April 2, 2024

Dear Michael,

This letter will serve as our report concerning the water resampling of the previous elevated test result locations at Hoech Middle School on April 2, 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 December 28, 2023.

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-preserved 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.

Fourteen sample results from the testing on December 28, 2023, were above the mandated threshold of <5.0 $\mu\text{g/L}$. Corrective actions were implemented for the fourteen locations and the fourteen locations were resampled. The results for the resampled locations ranged from <1.0 $\mu\text{g/L}$ and 81.3 $\mu\text{g/L}$. It appears the corrective actions were successful for nine locations and unsuccessful for the other five locations. Sample locations and laboratory results are contained in the attached table.

Sincerely,

Gregory K. Young
Senior Project Manager

TABLE 1
Lead Re-Sampling Results
Hoech Middle School (April 2, 2024)

Sample ID	Location	Results (µg/L)
HCH(R)-1	2 nd Floor, East Hallway, Girl's Restroom, Left Middle Sink	2.49
HCH(R)-2	2 nd Floor, East Hallway, Classroom 223, Desk Island, Sink	19.3
HCH(R)-3	2 nd Floor, West Hallway, Boy's Restroom, Right Sink	1.19
HCH(R)-4	1 st Floor, South Hallway, Left Water Fountain	9.47
HCH(R)-5	1 st Floor, Room 123A, Restroom, Sink	2.40
HCH(R)-6	Ground Floor, East Hallway, Staff Restroom, Sink	<1.0
<1.0HCH(R)-7	Ground Floor, Room 22A Weight Room, South Sink	4.81
H4.81CH(R)-8	Ground Floor, Room 22A Weight Room, North Sink	3.82
HCH(R)-9	Ground Floor, Coach Brown Locker Room, Restroom, Sink	1.21
HCH(R)-10	Kitchen, Pot Filling Wand, Left	14.8
HCH(R)-11	Kitchen, Pot Filling Wand, Right	18.3
HCH(R)-12	Kitchen, North Side Prep Area, Sink	1.34
HCH(R)-13	North Building, Room 109N, Sink Faucet	81.3
HCH(R)-14	North Building, Girl's Locker Room 115N, Restroom, Right Sink	3.44

Note:

µg/L – micrograms per liter



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

April 17, 2024

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

RE: Ritenour Drinking Water-Hoech Middle - Resampling

Dear Greg Young:

Please find enclosed the analytical results for the **14** sample(s) the laboratory received on **4/5/24 4:00 pm** and logged in under work order **HD01338**. 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 HD01338

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
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



ANALYTICAL RESULTS

Sample: HD01338-01
Name: HCH (R) - 1
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30
Received: 04/05/24 16:00

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

Lead	2.49	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:28	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-02
Name: HCH (R) - 2
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30
Received: 04/05/24 16:00

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

Lead	19.3	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:30	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-03
Name: HCH (R) - 3
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30
Received: 04/05/24 16:00

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

Lead	1.19	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:31	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-04
Name: HCH (R) - 4
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30
Received: 04/05/24 16:00

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

Lead	9.47	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:33	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HD01338-05
Name: HCH (R) - 5
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	2.40	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:34	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-06
Name: HCH (R) - 6
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	< 1.00	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:38	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-07
Name: HCH (R) - 7
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	4.81	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:43	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-08
Name: HCH (R) - 8
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	3.82	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:44	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HD01338-09
Name: HCH (R) - 9
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	1.21	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:46	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-10
Name: HCH (R) - 10
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	14.8	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:50	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-11
Name: HCH (R) - 11
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	18.3	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:51	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-12
Name: HCH (R) - 12
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	1.34	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:53	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HD01338-13
Name: HCH (R) - 13
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	81.3	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:54	BRS	EPA 200.8 REV 5.4
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Sample: HD01338-14
Name: HCH (R) - 14
Matrix: Drinking Water - Grab

Sampled: 04/02/24 10:30

Received: 04/05/24 16:00

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

Lead	3.44	ug/L		04/11/24 14:09	1	1.00	04/11/24 17:56	BRS	EPA 200.8 REV 5.4
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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

PAGE 1

1 CLIENT JOHNA, JURGIEL & ASSOCIATES, INC. 123 N. MAIN ST. CITY STATE ZIP ST. CHARLES, MD 63301 CONTACT PERSON GREG YOUNG		2 PROJECT NUMBER RITENDOUR PHONE NUMBER 636-757-3060 E-MAIL gyoung@jurgiel.com DATE SHIPPED 4/2/24		3 PROJECT LOCATION HOECH MIDDLE - RESAMPLING		4 ANALYSIS REQUESTED (FOR LAB USE ONLY) LOGIN # H001338 LOGGED BY: RS CLIENT: PROJECT: PROJ. MGR: CUSTODY SEAL #:	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) NORMAL RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		6 DATE RESULTS NEEDED		7 - OTHER		8 COMMENTS (FOR LAB USE ONLY) PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) GY	
9 RELINQUISHED BY: (SIGNATURE) Greg Young		10 RECEIVED BY: (SIGNATURE) [Signature]		11 DATE 4/2/24		12 SAMPLE TEMPERATURE UPON RECEIPT TEMPERATURE GUN ID CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED DATE AND TIME TAKEN FROM SAMPLE BOTTLE	

CHEMICAL PRESERVATION CODES:	1 - HCL	2 - H2SO4	3 - HNO3	4 - NAOH	5 - NA2S2O3	6 - UNPRESERVED	7 - OTHER
HCH(R)-1					X	DW	I
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

MATRIX TYPES: WW WASTEWATER GW GROUNDWATER WWML SLUDGE WWML SOLIDS LUST LACHRIST SOIL SOIL SOIL		PRES CODE CLIENT PROVIDED	
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CLIENT 1 JOHNA, JURGIEL & ASSOCIATES, INC. ADDRESS: 123 N. MAIN ST. CITY: ST. CHARLES, MD 63301 CONTACT PERSON: GREG YOUNG		PROJECT INFORMATION PROJECT NUMBER: 636-757-3060 PROJECT LOCATION: HOECH MIDDLE-RESAMPLING E-MAIL: gyoun@jurgiel.com DATE SHIPPED: 4/12/24		PURCHASE ORDER # 4 11001338 LOGGED BY: KS CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:	
SAMPLE INFORMATION DATE COLLECTED: 4/12/24 TIME COLLECTED: 10:30 AM DATE RECEIVED: 4/15/24 TIME RECEIVED: 1600		MATRIX TYPES: RAW WASTEWATER PRE-TREATED WASTEWATER WASTE GROUND WATER WASTE SLUDGE INDUSTRIAL WASTEWATER TANK EFFLUENT OIL-CONTAMINATED OIL-CONTAMINATED OIL-CONTAMINATED		ANALYSIS REQUESTED 3 X LEAD (EPA 200.8)	
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) HCH(R)-12 13 14		MATRIX TYPE DW DW DW		BOTTLE COUNT 1 1 1	
CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER		DATE RESULTS NEEDED 6		REMARKS	
TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH		DATE RESULTS NEEDED 6		REMARKS	
EMAIL IF DIFFERENT FROM ABOVE: RELINQUISHED BY: (SIGNATURE) 7 Greg Young		RECEIVED BY: (SIGNATURE) 8		COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT: _____ °C TEMPERATURE GUN ID: _____ CHILL PROCESS STARTED PRIOR TO RECEIPT: YES ☒ NO ☐ SAMPLE(S) RECEIVED ON ICE: YES ☒ NO ☐ SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED: YES ☒ NO ☐ DATE AND TIME TAKEN FROM SAMPLE BOTTLE: _____	