RIVERVIEW GARDENS
SCHOOL DISTRICT

Joylynn Pruitt-Adams, Ed.D.,
Superintendent

1370 Northumberland Drive
St. Louis, MO 63137
Office 314.869.2505 x 20102
Fax 314.388.6003
www.rgsd.k12.mo.us

MISSION

Collaboratively educate and empower our scholars to thrive in challenging environments

VISION

RGSD will be a district where:

- *There are high expectations for all.*
- *There will be healthy, loving, empathetic and kind relationships.*
- *Students are at the center of our decisions.*
- *Supports are provided so students become grade-level ready.*
- *There is transparency, accountability, timely, clear communication, and high levels of customer service.*
- *All stakeholders have a voice.*
- *There is a focus on college and career readiness.*

March 19, 2024

Dear Transportation team,

On February 2, 2024, I shared information regarding the Get the Lead Out of School Drinking Water Act and its requirements for school districts.

The Environmental Protection Agency (EPA) currently has a lead drinking water standard limit of 15 micrograms per liter (ug/L) of lead in water. However, Missouri law requires that all Missouri schools achieve a 5 ug/L limit of lead in water.

During February 2024, all RGSD schools and buildings were tested for lead concentration in school drinking water outlets.

We are pleased to report that at the Transportation depot, all drinking water outlets were found to be in compliance and met the 5 ug/L Missouri standard limit of lead in water. Therefore, there is no additional action required at this time.

If you have questions about lead sample testing results, or if you have concerns, please email karl.scheidt@rgsd.k12.mo.us.

To view reports for all schools/buildings throughout Riverview Gardens School District, please visit https://www.rgsdmo.org/facilities/gettheleadout.

Sincerely,

Joylynn Pruitt-Adams, Ed.D.
Superintendent

REPORT OF DRINKING WATER SAMPLING FOR LEAD CONTENT AT:

RGSD TRANSPORTATION
807 CHAMBERS RD
ST. LOUIS, MISSOURI 63137

PREPARED FOR:

MR. KARL SCHEIDT
DIRECTOR OF FACILITIES AND FOOD SERVICES
RIVERVIEW GARDEN SCHOOL DISTRICT
10101 LEWIS AND CLARK BLVD
ST. LOUIS, MISSOURI 63136

PREPARED BY:

J.S. HELD, LLC
#6 MEADOW HEIGHTS PROFESSIONAL PARK
COLLINSVILLE, ILLINOIS 62234
(618) 343-3590

MARCH 2024

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Drinking Water Sampling for Lead
Riverview Garden School District
RGSD Transportation
807 Chambers Rd.
St. Louis, Missouri 63136

EXECUTIVE SUMMARY

APPENDIX A …… Sample Locations/Results

APPENDIX B ..…….. Laboratory Analysis

APPENDIX C …… Credentials

EXECUTIVE SUMMARY

On the morning of February 14th, 2024, J.S. Held performed lead testing of multiple water sources at RGSD Transportation Building, 807 Chambers rd. St. Louis, Missouri 63136. The sampling was performed by trained and licensed personnel in accordance with USEPA, HUD and State of Missouri Regulations and Guidelines. Work was performed in accordance with the newly amended Missouri Senate Bill 681.

All inspectors involved with sampling activities had EPA approved training in lead. Certifications for our firm and the inspector collecting the samples are included as Appendix C to this document.

All samples were collected on a "first draw" and "second draw" basis. "First draw" is achieved by allowing the water system to rest for at least eight hours prior to sampling in order to collect any existing debris or settlement within the sample. The intent of this sampling is to replicate "worst case scenario" conditions. JSH proposes to collect a second sample from each source as a "follow-up sample" per the Missouri Senate Bill 681 requirements. As such, J.S. Held inspectors met at the school at 7:00 a.m. to collect water samples before the systems were used by staff or students. The State of Missouri and other regulatory agencies recommend that water sources run for at least thirty seconds and as long as two minutes prior to use to avoid settling within the water system.

Drinking water samples were collected from one (1) location throughout RGSD Transportation Building, none of which were inactive during the sampling event. The water samples were collected from drinking fountains and sinks potentially utilized for cooking or drinking activities at the campus. After sample collection, samples were immediately iced down and delivered to Teklab, Inc. located in Collinsville, Illinois following strict chain of custody procedures. Teklab is a NELAP accredited and State of Illinois licensed laboratory specializing in drinking water analysis. Detailed sampling locations and sample results are located in Appendix A of this report.

The analytical sensitivity utilized for the analysis of the water samples submitted identified a reporting limit (RL) of 1.0 micrograms per liter (µg/L). The analytical sensitivity utilized for the analysis of the water samples submitted identified a reporting limit (RL) of 1.0 microgram of lead per liter (µg/L). This reporting value equates to 1.0 parts per billion (ppb) of lead. The USEPA action level for lead in drinking water is 15.0 ppb for PSW. The USEPA document titled "Lead in Drinking Water at Schools and Childcare Facilities" last updated November 9, 2015 identifies an action level for drinking water collected from a plumbing fixture as 20.0 ppb. **Three (3) samples collected from the selected locations at the RGSD Transportation Building, reported sample results which were less than the action level.** This information can be found under the National Primary Drinking Water Regulations provided by the EPA,

CFR 2010 Title 40. (See Appendix A and B for Sample Results) The Missouri Senate Bill 1075 require potable plumbing fixtures to be less than 5.0 ppb, the levels area above 5 ppb, then action shall be necessary to filter the water from the fixture or clean/repair/replace the fixture and retest until the levels are reported below 5 ppb. (See Appendix A and B for Sample Results)

Conclusion/Recommendations

At this time all water sources testing at 5 ppb or above should be removed from service until filtration can be added or these sources are repaired/replaced and retested reporting under 5 ppb. These sources are subject to additional maintenance activities and response actions prior to use. Before being put back in service. In addition, all sources will be subject to an ongoing maintenance program and re-testing at appropriate intervals.

Remediation includes decreasing lead concentrations below 5 parts per billion using such methods such as replacement of plumbing, solder, fittings, or fixtures, installations of filters and filter devices, or other effective methods in accordance with the new Missouri SB681 *Get the Lead Out Of Schools Drinking Water Act*

The district will be required to provide notification to parents and staff within 7 days of receiving these sample results and results shall be posted on the district website within 2 weeks. Any samples reported over 5 ppb should be re-sampled on an annual basis at a minimum.

J.S. Held recommends that all water sources be run for at least thirty seconds prior to use as recommended by USEPA.

APPENDIX A
SAMPLE LOCATIONS & RESULTS

Transportation

Prep Day: 2/13/24

Sample Day: 2/14/24

To Lab -----> 2/14/24

* Reporting Limit

# to Test =	1
# Disabled =	0
# of Samples =	**3**
# > 10.0 ppb =	**0**
# > 5.0 ppb =	**0**

Source	Sample ID #	Sample Type	Sample Location	Source Notes	RL *	Lead Test Result
01	(A)	F	Fountain in Entrance		1.0	<1.0
	(B)				1.0	<1.0
	(C)				1.0	<1.0
02	(A)				-	
	(B)				-	
03	(A)				1.0	
	(B)				1.0	
04	(A)				1.0	
	(B)				1.0	
05	(A)				1.0	
	(B)				1.0	
06	(A)				1.0	
	(B)				1.0	
07	(A)				1.0	
	(B)				1.0	
08	(A)				1.0	
	(B)				1.0	
09	(A)				1.0	
	(B)				1.0	
10	(A)				2.0	
	(B)				1.0	

Sample ID Coding Key:

F = Fountain

S = Sink

(A) = 1st Sample

(B) = 2nd Sample (30 Seconds Later)

(C) = 3rd Sample (3 Minutes Later)

APPENDIX B
LABORATORY ANALYSIS

Report Contents

Client: J.S. Held
Work Order: 24020999
Client Project: 231100311 / RGSD / Transportation Office
Report Date: 11-Mar-24

This reporting package includes the following:

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Laboratory Results	7
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Chain of Custody	Appended

Client: J.S. Held **Work Order:** 24020999

Client Project: 231100311 / RGSD / Transportation Office **Report Date:** 11-Mar-24

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: J.S. Held **Work Order:** 24020999

Client Project: 231100311 / RGSD / Transportation Office **Report Date:** 11-Mar-24

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: J.S. Held

Work Order: 24020999

Client Project: 231100311 / RGSD / Transportation Office

Report Date: 11-Mar-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: J.S. Held **Work Order:** 24020999

Client Project: 231100311 / RGSD / Transportation Office **Report Date:** 11-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: J.S. Held
Work Order: 24020999
Client Project: 231100311 / RGSD / Transportation Office
Report Date: 11-Mar-24
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24020999-001A	01A	NELAP		1.0	**< 1.0**	µg/L	1	03/08/2024 10:18	02/14/2024 6:30
24020999-002A	01B	NELAP		1.0	**< 1.0**	µg/L	1	03/08/2024 10:22	02/14/2024 6:30
24020999-003A	01C	NELAP		1.0	**< 1.0**	µg/L	1	03/08/2024 10:26	02/14/2024 6:30

March 11, 2024

Jeff Faust
J.S. Held
#6 Meadow Heights Professional Park
Collinsville, IL 62234
TEL: (618) 343-3590
FAX: (618) 343-3597

Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: 231100311 / RGSD / Transportation Office **WorkOrder:** 24020999

Dear Jeff Faust:

TEKLAB, INC received 3 samples on 2/14/2024 8:10:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Receiving Check List

http://www.teklabinc.com/

Client: J.S. Held

Client Project: 231100311 / RGSD / Transportation Office

Work Order: 24020999

Report Date: 11-Mar-24

Carrier: Devon Rathbun

Received By: EES

Completed by: Amber Dilallo
On: 14-Feb-24

Reviewed by: Ellie Hopkins
On: 14-Feb-24

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	N/A
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice	☐
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory.

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 24020999

TEKLAB INC. 5445 Horseshoe Lake Road. Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: J.S. Held LLC
Address: #6 Meadow Heights Professional Park
City/State/Zip: Collinsville, IL 62234
Contact: Jeff Faust Phone: (618) 343-3590
Email: jeffery.faust@jsheld.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE NA °C
Preserved in: ☒ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☒ No
Are these samples known to be hazardous? ☐ Yes ☒ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☐ Yes ☐ No

Client Comments:
Please report in ppb
Trasportation Office

PROJECT NAME/NUMBER	SAMPLE COLLECTOR'S NAME
231100311 / RGSD /	James Burkeen

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: lead drinking water
24020999-001	01A	2/14/24 6:30 AM	Drinking Water										X
002	01B	↓ ↓	Drinking Water										X
003	01C	↓ ↓	Drinking Water										X
			Drinking Water										
			Drinking Water										
			Drinking Water										
			Drinking Water										
			Drinking Water										
			Drinking Water										
			Drinking Water										
			Drinking Water										

Relinquished By	Date/Time	Received By	Date/Time
Devon Rathbun	2/14/24 8:10 AM	Emily Sackett	2/14/24 810

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

APPENDIX C
CREDENTIALS

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Anthony W. Hagerty

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Risk Assessor
Category of License

Issuance Date:	**10/17/2022**
Expiration Date:	**10/31/2024**
License Number:	**161031-300005062**

Paula F. Nickelson
Acting Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

Anthony Hagerty

5249 Miami Street, St. Louis, MO 63139

has attended 8 contact hours of training and successfully passed examination for

Lead Risk Assessor Refresher

St. Louis, MO

Certificate # CEET 325 12/11/2023 **193536**
Examination Date: 12/11/2023
CEUs: 0.8

Rene Dulle
Rene Dulle, MBA, Director
Center for Environmental Education & Training

Center for Environmental Education and Training | 3545 Lafayette Ave., St. Louis, MO 63104
(314) 977-8256 |slu.edu/public-health-social-justice/centers-institutes/ceet.php

The training course has been accredited by the Missouri Dept. of Health and Senior Services, and by the Illinois Dept. of Public Health. Certificate expiration is 3 years from examination date for Illinois Dept. of Public Health.

State of Missouri
Department of Natural Resources

Certificate of Approval
for Chemical Laboratory Service

This is to certify that

Teklab, Incorporated

is hereby approved to perform the analysis of drinking water as specified on the Certified Parameter List, which must accompany this certificate to be valid.

Certification Number 930

Date Issued December 13, 2021

Expiration Date January 31, 2025

Laboratory Certification Authority, Public Drinking Water Branch
Missouri Department of Natural Resources

Laboratory Certification Officer, Environmental Services Program
Missouri Department of Natural Resources

MISSOURI DEPARTMENT OF NATURAL RESOURCES

DRINKING WATER LABORATORY

CERTIFIED PARAMETER LIST

This is to certify that

Teklab, Incorporated

located at

5445 Horseshoe Lake Road, Collinsville, IL 62234

has been approved to perform the indicated procedures on drinking water under the Missouri Public Drinking Water Regulations (10 CSR 60-5.020). Specific method numbers or references are included in parenthesis when appropriate.

INORGANIC

EPA 335.4
Total Cyanide

EPA 353.2
Nitrate, Nitrite, Total Nitrate and Nitrite

EPA 245.1
Mercury

EPA 200.7
Barium, Beryllium, Cadmium, Chromium, Copper, Nickel

EPA 200.8
Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Thallium

SM4500F-C
Fluoride

SM4500NO2-B
Nitrite

Teklab, Incorporated

Expiration Date: January 31, 2025

Missouri Certificate No.: 930

Original Certifying State: Illinois