OCCU-TEC
Protecting People, Places and Performance

2604 NE Industrial Dr., Ste. 230
North Kansas City, MO 64117

April 2, 2024

Ms. Misty Hailey
Westview C-6 School District
Neosho, Missouri 64850

RE: Drinking Water Sampling – Post Remediation Sampling
Westview C-6 School District
7441 Westview Road, Neosho, Missouri 64850
Project Number: 924044

Ms. Hailey,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for post-remediation drinking water sampling completed on recently replaced sources at Westview C-6 School in Neosho, Missouri. The sampling was requested and approved by Ms. Misty Hailey of Westview School District (WSD). OCCU-TEC completed sampling of sources that contained concentrations of lead above 5.0 parts per billion (ppb) and where fixtures had been subsequently replaced. Drinking water sampling was completed in accordance with the requirements set forth in Missouri Senate Bill #681/662 known as the "Get the Lead Out of School Drinking Water Act".

METHODOLOGY

Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in laboratory provided dedicated 250-milliliter plastic sample containers. Sample location information and photographic documentation are noted in the attached table.

Samples were shipped to Teklab, Inc. (Teklab) of Collinsville, Illinois for analysis using EPA method 200.8. Teklab is approved for sample analysis by the Missouri Department of Natural Resources (MDNR) under certification number 00930. A copy of the laboratory analytical results and Chain of Custody documentation are attached to this report.

RESULTS

Sample results were compared to the regulatory limit of 5.0 parts per billion (ppb) or micrograms per liter (ug/L) outlined in Missouri Senate Bill 681/662. Below is a list of samples collected and the associated analytical results. None of the samples contained concentrations of lead above 5.0 ppb.

Sample ID	Location	Type	Result (ug/L)
201-WSD-02	Kitchen S wall E side	Sink	<1.0
201-WSD-03	Kitchen S wall W side	Sink	<1.0
201-WSD-04	Kitchen South wall	Dish Sprayer	<1.0
201-WSD-07	Room 122 N wall	Sink	<1.0
201-WSD-08	Room 111	Sink	<1.0

RECOMMENDATIONS

The following recommendations are in accordance with Senate Bill 681/662.

Within two weeks after receiving test results, the school shall make all testing results and any lead remediation plans available on the school's website. The school shall notify parents and staff via written notification within seven (7) business days after receiving test results exceeding 5.0 ppb. The notification shall include the following:

- Test results and a summary explaining the results.
- A description of any remedial steps taken.
- A description of the general health effects of lead contamination and community specific resources.
- Provide bottled water if there is not enough water to meet the drinking water needs of the students, teachers, and staff.

LIMITATIONS

All sampling was completed by WSD employees under the guidance of OCCU-TEC staff. OCCU-TEC cannot verify the accuracy of sampling activities completed onsite and assumes they were completed in accordance with the requirements and guidance provided by OCCU-TEC. OCCU-TEC recommends placing signage on all sources not sampled during this assessment that indicate the source is not to be used for drinking water.

SIGNATURE(S)

OCCU-TEC appreciates the opportunity to provide the above-mentioned consulting services to the WSP. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,

Brittany Dickmeyer
Safety Specialist

Kevin Heriford
Director EH&S (QA/QC)

ATTACHMENTS

Outlet Inventory with Analytical Results Summary
Laboratory Analytical Results and COC Documentation

OUTLET INVENTORY WITH ANALYTICAL RESULTS SUMMARY

ID:	201-WSD-02	Location:	Kitchen S Wall E Side	
Photo:		Manufacturer:	Zurn	
		Description:		
		Dish Washing Sink on east side. Sample had particles causing discoloration		
		Result:	<1.0	ppb
		Date Sampled:	N/A	By: MH
Recommended Action:				

ID:	201-WSD-03	Location:	Kitchen S Wall W Side	
Photo:		Manufacturer:	Zurn	
		Description:		
		Dish washing sink on west side		
		Result:	<1.0	ppb
		Date Sampled:	N/A	By: MH
Recommended Action:				

ID:	201-WSD-04	Location:	Kitchen South Wall	
Photo:		Manufacturer:	T & S Brass Company	
		Description:		
		Dish Sprayer sink		
		Result:	<1.0	ppb
		Date Sampled:	N/A	By: MH
Recommended Action:				

ID:	201-WSD-07	Location:	Room 122 N Wall		
Photo:		Manufacturer:	unknown		
		Description:			
		Sink in classroom			
		Result:	<1.0	ppb	
		Date Sampled:	N/A	By:	MH
Recommended Action:					

ID:	201-WSD-08	Location:	Room 111 Sink		
Photo:		Manufacturer:	B&K		
		Description:			
		Sink in classroom			
		Result:	<1.0	ppb	
		Date Sampled:	N/A	By:	MH
Recommended Action:					

LABORATORY ANALYTICAL RESULTS AND COC DOCUMENTATION

March 04, 2024

Justin Arnold
Occu-Tec
2604 NE Industrial Drive
Suite 230
North Kansas City, MO 64117
TEL: (816) 810-3276
FAX:

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

RE: 924044 WSD **WorkOrder:** 24020707

Dear Justin Arnold:

TEKLAB, INC received 5 samples on 2/9/2024 8:14:00 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,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: Occu-Tec
Work Order: 24020707
Client Project: 924044 WSD
Report Date: 04-Mar-24

This reporting package includes the following:

Client: Occu-Tec **Work Order:** 24020707

Client Project: 924044 WSD **Report Date:** 04-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)

Definitions

Client: Occu-Tec
Work Order: 24020707
Client Project: 924044 WSD
Report Date: 04-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: Occu-Tec
Client Project: 924044 WSD

Work Order: 24020707
Report Date: 04-Mar-24

Cooler Receipt Temp: NA °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: Occu-Tec **Work Order:** 24020707

Client Project: 924044 WSD **Report Date:** 04-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: Occu-Tec
Work Order: 24020707
Client Project: 924044 WSD
Report Date: 04-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									
24020707-001A	044WSD-02	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 14:12	02/07/2024 14:33
24020707-002A	044WSD-03	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 14:16	02/07/2024 14:38
24020707-003A	044WSD-04	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 14:20	02/07/2024 14:54
24020707-004A	044WSD-07	NELAP		1.0	**< 1.0**	µg/L	1	03/02/2024 4:51	02/07/2024 14:57
24020707-005A	044WSD-08	NELAP		1.0	**< 1.0**	µg/L	1	03/02/2024 4:55	02/07/2024 14:59

Receiving Check List

http://www.teklabinc.com/

Client: Occu-Tec
Client Project: 924044 WSD

Work Order: 24020707
Report Date: 04-Mar-24

Carrier: FedEx

Received By: AMD

Completed by: Amber Dilallo
On: 09-Feb-24

Reviewed by: Ellie Hopkins
On: 09-Feb-24

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	NA	
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.

Print PDF

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 24020707

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

Client: OCCU-TEC
Address: 2604 NE Industrial Dr
City/State/Zip: North Kansas City, Missouri 64117
Contact: Justin Arnold Phone: 816-810-3276
Email: jarnold@occutec.com Fax:

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

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

Client Comments:
Pb RL<5.0ppb

PROJECT NAME/NUMBER
924044

SAMPLE COLLECTOR'S NAME
Misty Hailey

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: Pb By EPA 200.8
24020707-001	044WSD-02	2-7-24 1433	Aqueous	X									✓
002	044WSD-03	2-7-24 1438	Aqueous	X									✓
003	044WSD-04	2-7-24 1454	Aqueous	X									✓
004	044WSD-07	2-7-24 1457	Aqueous	X									✓
005	044WSD-08	2-7-24 1459	Aqueous	X									✓
			Aqueous	X									✓
			Aqueous	X									✓
			Aqueous	X									✓
			Aqueous	X									✓
			Aqueous	X									✓
			Aqueous	X									✓
			Aqueous	X									✓

Relinquished By	Date/Time	Received By	Date/Time
Misty Hailey	2-7-23 1525	Fedex	2/9/24 0814

*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

School Name: Westview C-6 School District

Page: 1 of 1

24020707

Sampler Name: Misty Hailey

Sample Date: 2-7-24

Sample ID Last 3 of Project + School + number	Sample Time	Location	Manufacturer	Description (Field Notes)	Soure Picture with sample	Soure Picture
144-CHS-01	1401	Kitchen	ELK	HWS on east wall right side	✓	✓
044WSD-02	1433	Kitchen S wall E side	T&S	Dish washing Sink on East side	✓	✓
044WSD-03	1438	Kitchen S wall W side	T&S	Dish washing sink on West side	✓	✓
044WSD-04	1454	Kitchen South Wall	T&S	Dish Sprayer Sink	✓	✓
044WSD-07	1457	Room 122 North Wall	Project Source	Classroom Sink	✓	✓
044WSD-08	1459	Room 111 Sink	B&K	Classroom Sink	✓	✓

DFB = Drinking Fountain Bubbler PT= Pot Filler HT = Halsey Taylor ELK = Elkay
DFBF = Drinking Fountian Bottle Filler KDS = Kitchen Dish Sprayer T&S = T&S Brass Company DTA = Delta
SNK = Sink HWS = Hand Washing Sink CFC = Chicago Faucet Company