

May 9, 2024

John Wigger Central R3 School District 200 High Street Park Hills, Missouri 63601

RE: Drinking Water Sampling – Central Alternative School

412 West Fite Street, Park Hills MO 63601

Project Number: 923406

Mr. Wigger,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Central Alternative School in Park Hills, Missouri. The sampling was requested and approved by Mr. John Wigger of Central R3 School District (CSD). OCCU-TEC completed drinking water sampling of building service lines, all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. 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

On April 8, 2024, Mr. Nathaniel Jones of OCCU-TEC completed testing of two (2) sources throughout Central Alternative School. Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

OCCU-TEC also collected one (1) additional sample from a source near the building's service line to compare concentrations of lead in samples throughout the building with the concentrations entering the building. Immediately before sampling, the faucet was flushed for 3-5 minutes. Location information and photographic documentation for all samples 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

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, one (1) of the three (3) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead.

Sample ID	Location	Туре	Result (ug/L)
406-CAS-00	Kitchen Restroom	Service Line Sample	6.9

LIMITATIONS

At the request of CSD, restroom sinks, classroom sinks, and custodial closet sinks were excluded from sampling. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water.

RECOMMENDATIONS

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

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

The service line which exhibited elevated lead concentrations should have a point of entry filter installed to reduce concentrations entering the building.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

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 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.

For fixtures exhibiting results above 5 ppb, follow up random "Flush" sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

SIGNATURE(S)

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

Respectfully,

Nathaniel Jones Environmental Technician

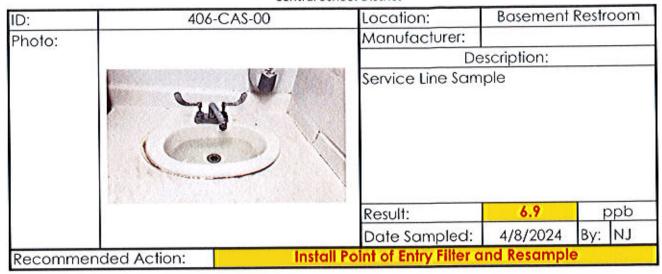
Halland Low

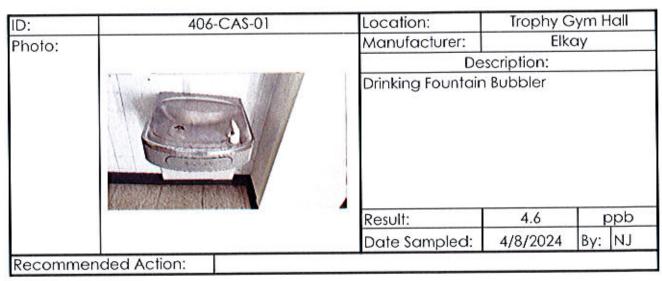
Jeff Smith Senior Project Manager (QA/QC)

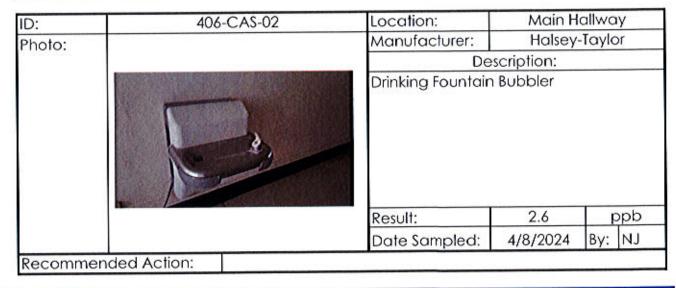
Jy Smith

ATTACHMENTS

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









May 03, 2024

Nathaniel Jones Occu-Tec 2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117

TEL: (816) 890-8749

FAX:

RE: 923406 Central R-3 SD

Dear Nathaniel Jones:

TEKLAB, INC received 3 samples on 4/12/2024 1:15:00 PM 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,

Patrick Riley Project Manager (618)344-1004 ex 44

patrickriley@teklabinc.com

Illinois 100226 Illinois 1004652024-2

Kansas E-10374 Louisiana 05002 Louisiana 05003 Oklahoma 9978

WorkOrder: 24041033



Report Contents

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041033

Client Project: 923406 Central R-3 SD Report Date: 03-May-24

This reporting package includes the following:

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Report Contents	2
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Receiving Check List	8
Chain of Custody	Appended



Definitions

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041033

Client Project: 923406 Central R-3 SD Report Date: 03-May-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

http://www.teklabinc.com/

Work Order: 24041033 Client: Occu-Tec

Report Date: 03-May-24 Client Project: 923406 Central R-3 SD

Qualifiers

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)

- Unknown hydrocarbon

C - RL shown is a Client Requested Quantitation Limit

H - Holding times exceeded

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level



Case Narrative

http://www.teklabinc.com/

Work Order: 24041033

Report Date: 03-May-24

Client: Occu-Tec
Client Project: 923406 Central R-3 SD

Cooler Receipt Temp: N/A °C

Locations

	Collinsville		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415	102410000	Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabine.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabine.com
	Collinsville Air	_	Chicago	10	
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabine.com		



Accreditations

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041033

Client Project: 923406 Central R-3 SD Report Date: 03-May-24

State	Dept	Cert#	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	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		3/14/2025	Collinsville
Dlinois	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



Laboratory Results

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041033

Client Project: 923406 Central R-3 SD Report Date: 03-May-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1. Lead	4, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
24041033-001	A 406-CAS-00	NELAP		1.0	6.9	µg/L	1	05/01/2024 17:28	04/08/2024 0:00
24041033-002	A 406-CAS-01	NELAP		1.0	4.6	µg/L	1	05/01/2024 17:32	04/08/2024 0:00
24041033-003	A 406-CAS-02	NELAP		1.0	2.6	µg/L	1	05/01/2024 17:45	04/08/2024 0:00



Receiving Check List

http://www.teklabinc.com/

Work Order: 24041033

Client: Occu-Tec Report Date: 03-May-24 Client Project: 923406 Central R-3 SD Carrier: Crossroads Received By: LEH toon O'llauc Reviewed by: Completed by: Elle Hopeens On: On: 12-Apr-24 12-Apr-24 Amber Dilallo Ellie Hopkins Extra pages included Chain of custody Pages to follow: Yes V No 🗌 Not Present Temp °C Shipping container/cooler in good condition? Blue Ice Ice _ Dry Ice Type of thermal preservation? None V No 🗌 Chain of custody present? Yes V Chain of custody signed when relinquished and received? No 🗌 Yes V No 🗌 Chain of custody agrees with sample labels? Yes V No 🗌 Yes Samples in proper container/bottle? V No 🗌 Yes Sample containers intact? No 🗌 Yes V Sufficient sample volume for indicated test? Yes 🗸 No 🗌 All samples received within holding time? NA 🔽 Field Lab Reported field parameters measured: Yes 🗸 No 🗌 Container/Temp Blank temperature in compliance? 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. No VOA vials V No 🗌 Yes 🗌 Water - at least one vial per sample has zero headspace? No TOX containers 🗹 Yes No 🗌 Water - TOX containers have zero headspace? Yes V No 🗆 Water - pH acceptable upon receipt? NA V No 🗌 NPDES/CWA TCN interferences checked/treated in the field? Yes

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory, - amberdiallo - 4/12/2024 3:08:19 PM

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

Print PDF

CHAIN OF CUSTODY

Pg 1 of Workorder # 24041033

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

Client: OCCU-TEC, Inc.		:		BINEKE NOICE WAY	
Address: 2604 NE Industrial Dr. Ste 230			Preserved in: Killus III	FELD FOR LAB USE ONLY	
City/State/Zip: North Kansas City, MO			LAB NOTES:		
Contact: Nate Jones	Phone: 816-890-8749	8	Schwose The Citate AtiOne C	Crister Atione Checker Will - MAP 4/1]	
Email: njones@occutec.com	Fax:		Comment		
Are these samples known to be involved in litigation? If yes, a surcharge will appty: - 📝 Yes	es, a surcharge will apply: -	Yes [√] No	r ppp		
Are these samples known to be hazardous?	Yes No	laasa maudo			
And there any required reporting limits to be riset on the requested analysis in the comment section:	No analysis : in yes, p	actor prosess			L
BER	SAMPLE COLLECTOR'S NAME	S NAME	# and Type of Containers	INDICATE ANALYSIS REQUESTED	
923406 Central R-3 SD	N. Jones				
RESULTS REQUESTED	пла	BILLING INSTRUCTIONS	10 T HaN HaN H S H		
Standard 1-2 Day (100% Surcharge)	urcharge)		400 HO CF CF COH COH 200 8b		
Other 1 o Day (50 % Sprinnarge)	clarge)				
Lab use unity sample at	Pater Illie Sampras	Digit S			1
24041053-00 408-CAS-00	4/8/2024/	Drinking Water	\		
10-5¥3-01		Drinking Water	•		
20-5 408-CXS-02		Drinking Water	7		
406-	•	Drinking Water	\ \tag{\tau}		_
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, Relinquished By		Date/Time	Received By	Date/Time	
Hallet 11 1/2	4/9/	2029 17:00		10011 HUMILE	
Meriden Pear	71/15	24 (600)	No Samuel	XX 36724 131	М
					L

^{*}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



May 9, 2024

John Wigger Central R3 School District 200 High Street Park Hills, Missouri 63601

RE: Drinking Water Sampling – Central Elementary School

900 St. François Street, Park Hills, MO 63601

Project Number: 923406

Mr. Wigger,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Central Elementary School in Park Hills, Missouri. The sampling was requested and approved by Mr. John Wigger of Central R3 School District (CSD). OCCU-TEC completed drinking water sampling of building service lines, all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. 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

On April 8, 2024, Mr. Nathaniel Jones of OCCU-TEC completed testing of thirty-two (32) sources throughout Central Elementary School. Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

OCCU-TEC also collected one (1) additional sample from a source near the building's service line to compare concentrations of lead in samples throughout the building with the concentrations entering the building. Immediately before sampling, the faucet was flushed for 3-5 minutes. Location information and photographic documentation for all samples 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

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, three (3) of the thirty-two (32) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. Additionally, some sources were not functional at the time of sampling. Non-functional sources are included in the list below and should be sampled prior to returning to service.

Sample ID	Location	Туре	Result (ug/L)
406-CES-10	B1/Girls' Restroom	Drinking Fountain Bottle Filler	5
406-CES-20	Classroom A-1	Drinking Fountain Bottle Filler	5
406-CES-31	Kitchen	Kitchen Dish Sprayer	5.3

LIMITATIONS

At the request of CSD, restroom sinks, classroom sinks, and custodial closet sinks were excluded from sampling. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water.

RECOMMENDATIONS

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

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

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 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.

For fixtures exhibiting results above 5 ppb, follow up random "Flush" sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

SIGNATURE(S)

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

Respectfully,

Nathaniel Jones

Environmental Technician

Hallus LOwn

Jeff Smith Senior Project Manager (QA/QC)

gy Smith

ATTACHMENTS

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

ID:	406-CES-00	Location:	Kitchen R	Restroom
Photo:		Manufacturer:		
		De	escription:	
		Service Line San	nple	
		Result:	3.4	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:			307 307

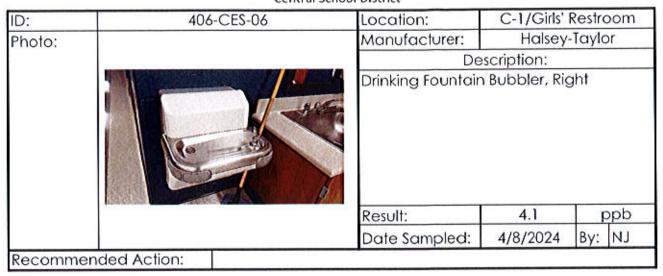
	Manufacturer: De Drinking Fountain	scription:	cay , Left		
	or Supposed A		, Left		
	Drinking Fountain	Bottle Filler,	, Left		
		Result: 2.8 ppb			
HE DONE STREET WITH STREET	Result:	2.8	ppb		
	Date Sampled:	4/8/2024	By: NJ		
	(Fig.)	Date Sampled:			

406-CES-0	2 Location:	Gym	Foyer
	Manufacturer:	Elk	ay
		Description:	
	Drinking Fount	oin Bottle Filler	, Right
Washington and State of the Sta	Result:	1.8	ppb
1	Date Sampled	: 4/8/2024	By: NJ
		Manufacturer: Drinking Founte	Manufacturer: Elk Description: Drinking Fountain Bottle Filler Result: 1.8

ID:	406	S-CES-03	Location:	Gym	Foyer
Photo:			Manufacturer:	Elk	ay
	Management of the American Company		De	scription:	
			Drinking Fountain	n Bubbler, Le	ft
	7-1	Management of the last	Result:	2.3	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:				

		Foyer
Manufacturer:	Elk	ay
De	scription:	
Drinking Fountain	ı Bubbler, Riç	ght
Result:	2.3	ppb
Date Sampled:	4/8/2024	By: NJ
	De Drinking Fountain Result:	Description: Drinking Fountain Bubbler, Rig Result: 2.3

ID:	406-CES-	-05	Location: C-1/Girls' Restr			om
Photo:			Manufacturer:	Halsey	-Taylo	r
			De	scription:		
			Drinking Fountair	n Bubbler, Le	ft	
		The same of the same of	Result:	4.2	р	pb
			Date Sampled:	4/8/2024	Ву:	NJ
Recommend	ded Action:					

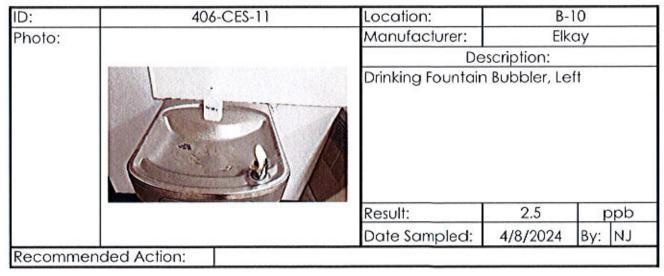


ID:	400	6-CES-07	Location:	C-	13		
Photo:			Manufacturer:	Elk	ay		
			De	scription:			
			Drinking Fountain Bottle Filler				
		THE PERSONNEL PROPERTY.	Result:	2.5	ppb		
			Date Sampled:	4/8/2024	By: NJ		
Recomm	ended Action:						

ID:	406-CES-08	Location:	C-	13
Photo:		Manufacturer:	Elk	ay
		De	escription:	
		Drinking Fountain	n Bubbler	
		Result:	2.2	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	nded Action:			

ID:	406-CES-09	Location:	B-1/Girls'	Restro	om
Photo:		Manufacturer:	Elk	ay	
		De	scription:		
		Drinking Fountair	n Bubbler, Le	ft	
	Annual Page 1997 Control of the Cont	Result:	3	F	pb
		Date Sampled:	4/8/2024	Ву:	NJ
Recomm	ended Action:	*			





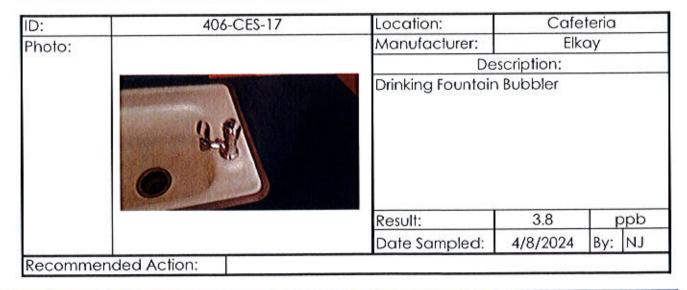
ID:	406-CES-12	Location:	B-1	10	
Photo:		Manufacturer:	Elke	ay	
		De	scription:		
		Drinking Fountain	n Bubbler, Rig	ght	
		Result:	2.5	р	pb
_		Date Sampled:	4/8/2024	Ву:	NJ
Recomm	nended Action:				

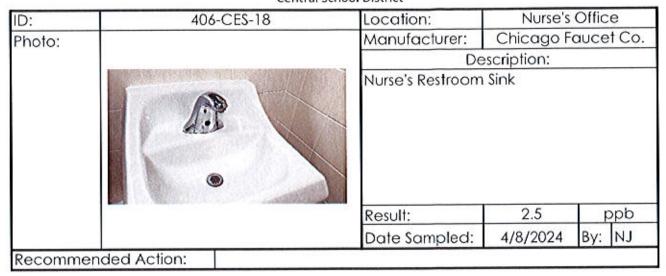
406-CES-13	Location:	Classro	om B-5		
	Manufacturer:	Elke	ay		
	De	scription:			
	Classroom Drinkir	Classroom Drinking Fountain Bubbler			
	Result:	2.6	ppb		
	Date Sampled:	4/8/2024	By: NJ		
	406-CES-13	Manufacturer: De Classroom Drinkir Result:	Manufacturer: Elker Description: Classroom Drinking Fountain Result: 2.6		

ID:	406-CES-1	4 Location:	Classro	om B-8
Photo:		Manufacturer:	Elk	ay
		D	escription:	
	Street.	Classroom Drink	ing Fountain	Bubbler
		Result:	2	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:	•		

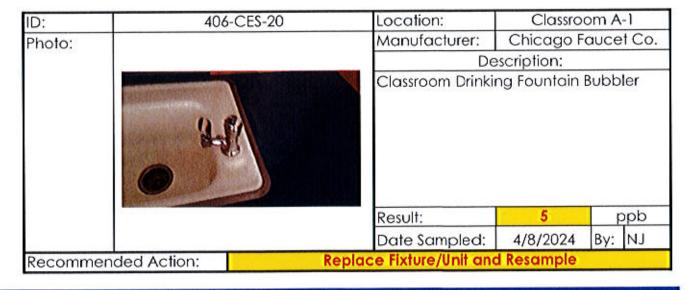
ID:	406-CES-15	Location:	Classro	om B-6		
Photo:		Manufacturer:	Elk	ay		
	Construction of the state of th	Description:				
	ATRA	Classroom Drink	Classroom Drinking Fountain Bubbler			
		Result:	2.3	ppb		
		Date Sampled:	4/8/2024	By: NJ		
Recomme	ended Action:					

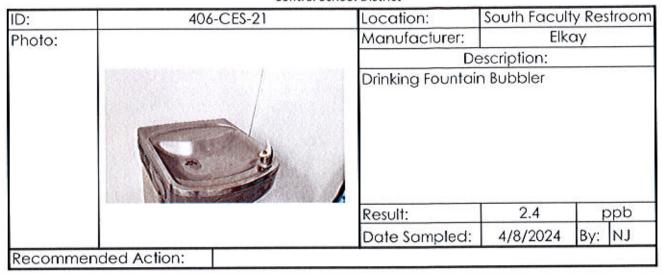
- Contractive	Elke scription: ng Fountain I		
- Contractive		Bubbler	
Classroom Drinkir	ng Fountain I	Bubbler	
Classroom Drinking Fountain Bubbler			
Result:	2.6	ppb	
Date Sampled:	4/8/2024	By: NJ	
	Result:	Result: 2.6 Date Sampled: 4/8/2024	



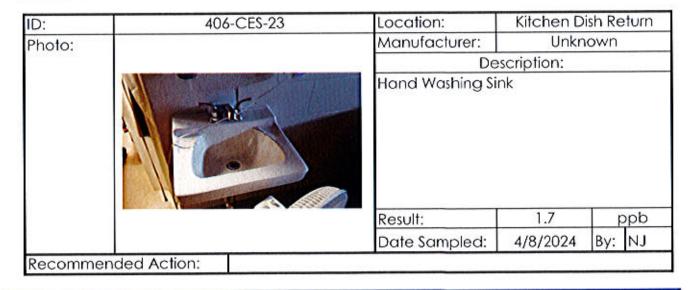


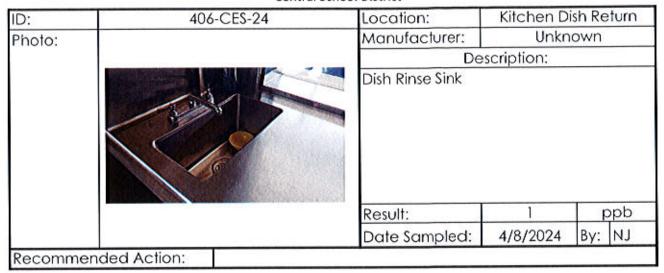
ID:	406	S-CES-19	Location:	Classroom A-2		
Photo:			Manufacturer:	Chicago F	aucet Co.	
			De	escription:		
			Classsroom Drinking Fountain Bubble			
	hope and the sale		Result:	3.7	ppb	
			Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:		*			





ID:	406-CES-22	Location:	North Facul	ty Restroom	
Photo:		Manufacturer:	Elk	ay	
		D	escription:		
	Company of the Compan	Drinking Fountain Bubbler			
		Result:	2.8	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:				





ID:	406	S-CES-25	Location:	Kitchen Dish Re	
Photo:			Manufacturer:	Fish	ner
			De	scription:	
			Kitchen Dish Sprayer		
			Result:	2.7	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomme	nded Action:				

406-0	CES-26	Location:	Kitc	hen	
		Manufacturer:	Unkn	own	
		De	scription:		
Pro-National Pro-N		Dish Sink, Left			
A STEEL	A MARKA	Result:	2.6	F	pb
		Date Sampled:	4/8/2024	Ву:	NJ
	ERRORES AND	406-CES-26	Manufacturer: De Dish Sink, Left Result:	Manufacturer: Unknown Description: Dish Sink, Left Result: 2.6	Manufacturer: Unknown Description: Dish Sink, Left Result: 2.6 p.

ID:	406-C	ES-27	Location:	Kitc	hen
Photo:			Manufacturer:	Unkn	own
	The state of the s		De	escription:	
			Dish Sink, Right		
			Result:	4.2	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomme	nded Action:				

ID:	406-CES-28	Location:	Kitc	hen
Photo:		Manufacturer:	Scots	man
		D	escription:	
		Ice Machine		
		Result:	<1.0	ppb
		Date Sampled:	4/8/2024	Ву: NJ
Recomm	ended Action:			

ID:	406	-CES-29	Location:	Kitc	hen
Photo:			Manufacturer:	Chicago F	aucet Co.
			De	escription:	
			Hand Washing S	ink	
	C2-10/10/2010	54 May 11	Result:	3	ppb
			Date Sampled:	4/8/2024	Ву: NJ
Recomme	ended Action:				

ID:	406-CES-30	Location:	Kitc	hen
Photo:		Manufacturer:	Chicago F	aucet Co
	Construction of the Constr	De	escription:	
	The state of the s	East Dish Sink		
		Result:	2.9	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:	•		

ID:	406	-CES-31	Location:	Kitc	hen
Photo:			Manufacturer:	T&S 8	Brass
	F-100 - 100		De	escription:	
			Kitchen Dish Spro	ayer	
			Result:	5.3	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:	R€	place Fixture/Unit and	d Resample	

ID:	406-CES-32	Location:	Kitc	hen
Photo:		Manufacturer:	Chicago F	aucet Co.
		De	escription:	
		Pot Filler		
		Result:	2.8	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:			



May 08, 2024

Nathaniel Jones Occu-Tec 2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117

TEL: (816) 890-8749

FAX:

RE: 923406 Central R-3 SD

Dear Nathaniel Jones:

TEKLAB, INC received 33 samples on 4/12/2024 1:15:00 PM 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,

Patrick Riley

Project Manager

(618)344-1004 ex 44

patrickriley@teklabinc.com



WorkOrder: 24041029

Illinois 100226
Illinois 1004652024-2
Kansas E-10374
Louisiana 05002
Louisiana 05003
Oklahoma 9978



Client: Occu-Tec

Report Contents

http://www.teklabinc.com/

Work Order: 24041029

Report Date: 08-May-24

This reporting package includes the following:

Client Project: 923406 Central R-3 SD

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended



Definitions

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041029

Client Project: 923406 Central R-3 SD Report Date: 08-May-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 Ditution 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

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041029

Client Project: 923406 Central R-3 SD Report Date: 08-May-24

Qualifiers

- Unknown hydrocarbon

C - RL shown is a Client Requested Quantitation Limit

H - Holding times exceeded

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



Case Narrative

http://www.teklabinc.com/

Work Order: 24041029

Report Date: 08-May-24

Client: Occu-Tec
Client Project: 923406 Central R-3 SD

Cooler Receipt Temp: N/A °C

Locations

	Collinsville		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabine.com	Email	arenner@teklabinc.com		



Accreditations

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041029

Client Project: 923406 Central R-3 SD Report Date: 08-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Okłahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041029

Client Project: 923406 Central R-3 SD Report Date: 08-May-24

Matrix: DRINKING WATER

Sample 1D	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
	I, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24041029-001	A 406-CES-00	NELAP	1.0	3.4	µg/L	1	05/08/2024 3:49	04/08/2024 0:00
24041029-002	A 406-CES-01	NELAP	1.0	2.8	µg/L	1	05/08/2024 3:53	04/08/2024 0:00
24041029-003	A 406-CES-02	NELAP	1.0	1.8	µg/L	1	05/08/2024 4:03	04/08/2024 0:00
24041029-004	A 406-CES-03	NELAP	1.0	2.3	µg/L	1	05/08/2024 3:56	04/08/2024 0:00
24041029-005	A 406-CES-04	NELAP	1.0	2.3	µg/L	1	05/08/2024 4:00	04/08/2024 0:00
24041029-006	A 406-CES-05	NELAP	1.0	4.2	µg/L	1	05/08/2024 4:23	04/08/2024 0:00
24041029-007	A 406-CES-06	NELAP	1.0	4.1	µg/L	1	05/08/2024 4:27	04/08/2024 0:00
24041029-008	A 406-CES-07	NELAP	1.0	2.5	µg/L	1	05/08/2024 4:30	04/08/2024 0:00
24041029-009	A 406-CES-08	NELAP	1.0	2.2	μg/L	1	05/08/2024 4:47	04/08/2024 0:00
24041029-010	A 406-CES-09	NELAP	1.0	3.0	μg/L	1	05/08/2024 4:34	04/08/2024 0:00
24041029-011	A 406-CES-10	NELAP	1.0	5.0	µg/L	1	05/08/2024 4:37	04/08/2024 0:00
24041029-012	A 406-CES-11	NELAP	1.0	2.5	µg/L	1	05/08/2024 4:40	04/08/2024 0:00
24041029-013	A 406-CES-12	NELAP	1.0	2.5	µg/L	1	05/08/2024 4:44	04/08/2024 0:00
24041029-014	A 406-CES-13	NELAP	1.0	2.6	µg/L	1	05/08/2024 5:08	04/08/2024 0:0
24041029-015	A 406-CES-14	NELAP	1.0	2.0	µg/L	1	05/08/2024 5:11	04/08/2024 0:0
24041029-016	A 406-CES-15	NELAP	1.0	2.3	µg/L	1	05/08/2024 5:14	04/08/2024 0:0
24041029-017	A 406-CES-16	NELAP	1.0	2.6	µg/L	1	05/08/2024 5:18	04/08/2024 0:0
24041029-018	A 406-CES-17	NELAP	1.0	3.8	µg/L	1	05/08/2024 5:21	04/08/2024 0:0
24041029-019	A 406-CES-18	NELAP	1.0	2.5	µg/L	1	05/08/2024 5:25	04/08/2024 0:0
24041029-020	A 406-CES-19	NELAP	1.0	3.7	µg/L	1	05/08/2024 5:28	04/08/2024 0:0
24041029-021	A 406-CES-20	NELAP	1.0	5.0	μg/L	1	05/08/2024 5:52	04/08/2024 0:0
24041029-022	A 406-CES-21	NELAP	1.0	2.4	μg/L	1	05/08/2024 5:31	04/08/2024 0:0
24041029-023	A 406-CES-22	NELAP	1.0	2.8	µg/L	1	05/08/2024 5:55	04/08/2024 0:0
24041029-024		NELAP	1.0	1.7	µg/L	1	05/08/2024 5:58	04/08/2024 0:0
24041029-025	A 406-CES-24	NELAP	1.0	1.0	µg/L	1	05/08/2024 6:02	04/08/2024 0:0
24041029-026		NELAP	1.0	2.7	µg/L	1	05/08/2024 6:05	04/08/2024 0:0
24041029-027		NELAP	1.0	2.6	µg/L	1	05/08/2024 6:09	04/08/2024 0:0
24041029-028		NELAP	1.0	4.2	µg·L	1	05/08/2024 7:20	04/08/2024 0:0
24041029-029		NELAP	1.0	< 1.0	µg/L	1	05/08/2024 7:00	04/08/2024 0:0
24041029-030		NELAP	1.0	3.0	µg/L	1	05/08/2024 7:23	04/08/2024 0:0
24041029-031		NELAP	1.0	2.9	µg/L	1	05/08/2024 7:27	04/08/2024 0:0
24041029-032		NELAP	1.0	5.3	µg/L	1	05/08/2024 7:30	04/08/2024 0:0
24041029-033		NELAP	1.0	2.8	μg/L	1	05/08/2024 7:34	04/08/2024 0:0



Receiving Check List

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041029
Client Project: 923406 Central R-3 SD Report Date: 08-May-24

Received By: LEH Carrier: Crossroads toon Ollauc Reviewed by: Completed by: Elle Hopeens On: On: 12-Apr-24 12-Apr-24 Ellie Hopkins Amber Dilallo Chain of custody Extra pages included Pages to follow: V No 🗌 Not Present Temp °C N/A Shipping container/cooler in good condition? Yes Blue Ice Dry Ice Ice Type of thermal preservation? None V No 🗌 Chain of custody present? Yes V Chain of custody signed when relinquished and received? No 🗌 Yes V No 🗌 Chain of custody agrees with sample labels? Yes V No 🗌 Samples in proper container/bottle? Yes V No 🗌 Yes Sample containers intact? Yes V Sufficient sample volume for indicated test? Yes No 🗌 All samples received within holding time? NA V Field Lab Reported field parameters measured: Yes V No 🗌 Container/Temp Blank temperature in compliance? 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. No 🗌 No VOA vials V Yes Water - at least one vial per sample has zero headspace? No \square No TOX containers Yes Water - TOX containers have zero headspace? Yes V No 🗆 Water - pH acceptable upon receipt? NA 🗹 No 🗌 NPDES/CWA TCN interferences checked/treated in the field? 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. - amberdilallo - 4/12/2024 3:17:08 PM

Print PDF

CHAIN OF CUSTODY

Pg 1 of 3 Workorder # 24041029

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

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		0 00	Jet	\$O\$		7:		£0:				Surcharge) charge)	Standard 12 Day (100% Surcharge) Other 3 Day (50% Surcharge)
			110	ST Hei	θM	H	HSS		NN.	BILLING INSTRUCTIONS	BILLIN		RESULTS REQUESTED
				<u>-</u>			_					N. Jones	23406 Central R-3 SD
ANALYSIS REQUESTED	ATE ANAI	INDSCATE	ā	ntainers	δ	Q.	됳	# and Type of Co	#	SNAME	LECTOR	SAMPLE COLLECTOR'S NAME	뗅
										case provide	s?. If yers, ple	requested analysis	왕 구. (의 the larger) : # [
								5	····· 5		vill apply: [yes, a surcharge wi	e these samples known to be involved in litigation? If yes, a surcharge will apply: a these samples known to be hazardous? Yes W No
					ŭ	nen	Š	Client Comments:	ıΩ			Fax:	nail: njones@occutec.com
171	Simple i Dis idates tione chee bed timb 4/11	Chier Yes	न्यटम	Ť	rgr.	Š	ķ.		Ę,		-890-8749	Phone: 816-890-8749	ontact: Nate Jones
							ĘS:	LAB NOTES:	Ę				tw/State/Zip: North Kansas City, MO
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Print PDF

 CHAIN OF CUSTODY
 Pg 2 or 3 Workorder # 24041029

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

Tient, OCCU-TEC, Inc.			Samples on:			BLUE ICE	الاية الاية	ଲି 	റ്	
ddress: 2604 NE Industrial Dr. Sto 230]	Preserved in:	 ⊡I		€ E LD	FOR	FOR LAB USE ONLY	ľ	
			LAB NOTES:							
Phone:	816-890-8749									1
mail: njones@occutec.com Fax:			Client Comments:	ments:						
Sgation? If yes, a surc	ge will apply:	Yes 🗸 No	add n							
re these samples known to be nazarcous? If the required reporting limbs to be met on the requested analysis?. If yes, please provide	analysis?. If yes, plea	ase provide								
nits in the comment section: Yes No			# #			N CAL		Vele PEO	IECTED.	٠
ROJECT NAME/NUMBER SAMPLE C	SAMPLE COLLECTOR'S NAME	NAME	# and Type of Co	e of Containers	13	INDICATE		ANALTSIS REQUESTED		
N. Jones										
RESULTS REQUESTED	BILLIN	BILLING INSTRUCTIONS	ķΝ IH	HSN 9M H	ю	. 4d				
Standard 12 Day (100% Surcharge)			403 103 0H	СГ ОН ISO	ner 48	8.009				
Other 3 Day (50% Surcharge)	_									
Lab Use Only Sample ID Date/Tin	Date/Time Sampled	Matrix			<u> </u>		_			_
14/8/ 072 406-CES-11 4/8/	2029	Drinking Water		-		•		_		_
0.73 406- 0.53-12		Drinking Water			-	•				<u> </u>
Mu 406- CES-13	-	Drinking Water		_	_	\ 				_
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 CHAIN OF CUSTODY
 Pg 3 or 3 workorder # 2404 1029

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

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											1	816-890-8749	Phone: 816	ontact: Nate Jones
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May 13, 2024

John Wigger Central R3 School District 200 High Street Park Hills, Missouri 63601

RE: Drinking Water Sampling – Central West Elementary School

408 Fite Street, Park Hills, MO 63601

Project Number: 923406

Mr. Wigger,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Central West Elementary School in Park Hills, Missouri. The sampling was requested and approved by Mr. John Wigger of Central R3 School District (CSD). OCCU-TEC completed drinking water sampling of building service lines, all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. 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

On April 8, 2024, Mr. Nathaniel Jones of OCCU-TEC completed testing of twenty-one (21) sources throughout Central West Elementary School. Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

OCCU-TEC also collected one (1) additional sample from a source near the building's service line to compare concentrations of lead in samples throughout the building with the concentrations entering the building. Immediately before sampling, the faucet was flushed for 3-5 minutes. Location information and photographic documentation for all samples 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

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, two (2) of the twenty-two (22) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. Additionally, some sources were not functional at the time of sampling. Non-functional sources are included in the list below and should be sampled prior to returning to service.

Sample ID	Location	Туре	Result (ug/L)
406-CWS-00	Kitchen	Service Line Sample	5.4
406-CWS-14	Kitchen	Dish Washing Station	6.4

LIMITATIONS

At the request of CSD, restroom sinks, classroom sinks, and custodial closet sinks were excluded from sampling. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water.

RECOMMENDATIONS

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

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

The service line which exhibited elevated lead concentrations should have a point of entry filter installed to reduce concentrations entering the building.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

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 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.

For fixtures exhibiting results above 5 ppb, follow up random "Flush" sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

SIGNATURE(S)

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

Respectfully,

Nathaniel Jones
Environmental Technician

Pallins L. Oir

Jeff Smith Senior Project Manager (QA/QC)

Sy Smith

ATTACHMENTS

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

ID:	406	-CWS-00	Location:	Kitc	hen	
Photo:			Manufacturer:			
0.14.04.049.059.78			De	scription:		
			Service Line Sam	ple		
			Result:	5.4	ķ	opb
			Date Sampled:	4/8/2024	Ву:	NJ
Recomme	ended Action:	Instal	l Point of Entry Filter a	nd Resampl	е	

ID:	406-CWS-01	Location:	Nurse's	Office
Photo:		Manufacturer:	Elk	ay
		De	escription:	
		Nurse Sink		
		Result:	2.1	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:			

406-CWS-02	Location:	Art Ho	allway
	Manufacturer:	Elk	ay
	De	scription:	
2	Drinking Fountain	n Bubbler	
	Result:	4.4	ppb
	Date Sampled:	4/8/2024	Ву: NJ
	406-CWS-02	Manufacturer: De Drinking Fountain Result:	Manufacturer: Elk Description: Drinking Fountain Bubbler Result: 4.4

ID:	406-CWS-03	Location:	Art Ha	llway	′
Photo:		Manufacturer:	Elk	ay	
		De	scription:		
		Drinking Fountain	n Bottle Filler		
		Result:	4.3	ŗ	opb
		Date Sampled:	4/8/2024	By:	NJ
Recomme	ended Action:				

406-CWS-04	Location:	Art Ho	ıllway
	Manufacturer:	Elk	ay
	De	scription:	
	Drinking Fountain	Bubbler, Le	ft
	Result:	3.4	ppb
	Date Sampled:	4/8/2024	By: NJ
	406-CWS-04	Manufacturer: De Drinking Fountain Result:	Manufacturer: Elk Description: Drinking Fountain Bubbler, Le Result: 3.4

ID:	406-CWS-05	Location:	Art Ho	allway
Photo:		Manufacturer:	Elk	ay
		De	escription:	
		Drinking Fountair	n Bubbler, Rig	ght
		Result:	3.4	ppb
	0 (0-0)	Date Sampled:	4/8/2024	By: NJ
Recomme	nded Action:	Date sampled.	4,0,2024	[0]. <u>[</u>

ID:	406-CWS-06	Location:	Kitchen	Hallw	/ay
Photo:		Manufacturer:	Elk	ay	
		De	escription:		
		Drinking Fountai	n Bubbler, Le	ft	
	AND SERVICE AND SE	Result:	3	ı	opb
		Date Sampled:	4/8/2024	Ву:	NJ
Recomm	ended Action:	•			

ID:	406-CWS-07	Location:	Kitchen	Hallway
Photo:		Manufacturer:	Elk	ay
		D	escription:	
		Drinking Fountai	n Bubbler	
		Result:	3.2	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	nded Action:	•		

406-CWS-08	Location:	Kitc	hen
	Manufacturer:	T&S 8	Brass
	De	scription:	
	Kitchen Dish Spro	iyer	
	Result:	3.7	ppb
	Date Sampled:	4/8/2024	ву: NJ
	406-CWS-08	Manufacturer: De Kitchen Dish Spra	Manufacturer: T&S E Description: Kitchen Dish Sprayer Result: 3.7

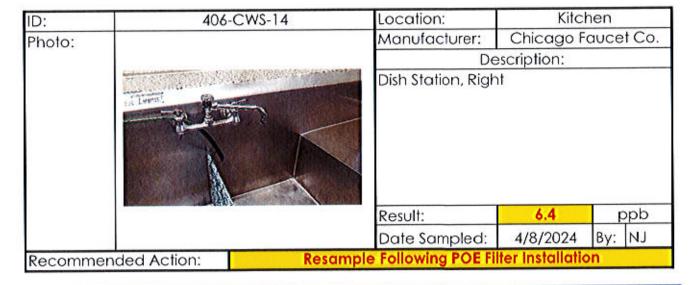
ID:	406-CWS-09	Location:	Kitchen		
Photo:		Manufacturer: Chicago Faucet		aucet	Co.
		De	scription:		
		Hand Washing Si	nk		
		Result:	4	р	pb
		Date Sampled:	4/8/2024	Ву:	NJ
Recomm	ended Action:				

406-CWS-10	Location:	Kitc	hen
	Manufacturer:	Fish	ner
	De	scription:	
	Island Dish Spray	er	
	Result:	3.1	ppb
	Date Sampled:	4/8/2024	By: NJ
	406-CWS-10	Manufacturer: De Island Dish Spraye Result:	Manufacturer: Fish Description: Island Dish Sprayer Result: 3.1

ID:	406	S-CWS-11	Location:	Kitc	hen
Photo:	Photo:		Manufacturer:	Fish	ner
		De	Description:		
			Island Prep Sink		
		THE REAL PROPERTY.	Result:	4	ppb
		Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:				

ID:	406	-CWS-12	Location:	Kitcl	hen	
Photo:			Manufacturer:	Ac	e	
			De	scription:		
			Pot Filler (Garder	n Fixture)		
-			Result:	2.2	p	pb
			Date Sampled:	4/8/2024	Ву:	NJ
Recomme	ended Action:					

ID:	406-CWS-13	Location:	Kitchen	
Photo:		Manufacturer:	Manufacturer: Chicago Fauce	
		De	escription:	
		Dish Station, Left		
10	A	Result:	3.7	ppb
	Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:	Date Sampled:	L	4/8/2024



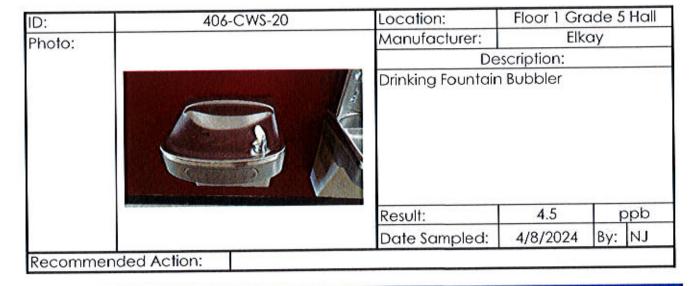
ID:	406-0	CWS-15	Location:	Kitcl	hen	
Photo:			Manufacturer:	Unkn	own	
			De	scription:		
			Hand Washing Si	nk		
			Result:	4	ķ	pb
			Date Sampled:	4/8/2024	Ву:	NJ
Recomm	ended Action:					

ID:	406-CWS-16	Location:	Floor 3 Gre	ade 4 Hall
Photo:		Manufacturer:	Elk	ay
		D	escription:	
		Drinking Founta	in Bottle Filler	
		Result:	4.4	ppb
	Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:			

406-CWS-17	Location:	FIOOL 3 CIT	ade 4 Hall		
Photo:	Manufacturer:	: Elkay			
	De	scription:			
	Drinking Fountain	Drinking Fountain Bubbler			
	Result:	4.1	ppb		
	Date Sampled:	4/8/2024	By: NJ		
		Drinking Fountain	Description: Drinking Fountain Bubbler Result: 4.1		

ID:	406-CWS-18	Location:	Floor 1 Grade 3 H		Hall	
Photo:		Manufacturer:		Oasis		
		De	escription:			
		Drinking Fountain Bubbler, Left				
		Result:	3.4	F	opb	
		Date Sampled:	4/8/2024	By:	NJ	
Recommend	ded Action:					

406-CWS-19	Location:	Floor 1 Gro	ade 3 Hall	
	Manufacturer:	Oc	asis	
	De	scription:		
	Drinking Fountain Bubbler, Right			
	Result:	3	ppb	
	Date Sampled:	4/8/2024	By: NJ	
	406-CWS-19	Manufacturer: De Drinking Fountain Result:	Manufacturer: October Description: Drinking Fountain Bubbler, Right Result: 3	



ID:	406-CWS-21	Location:	Floor 1 Grade 5 H		
Photo:		Manufacturer:	Elkay		
		De	scription:		
	Secretarian Control of	Drinking Fountain	n Bottle Filler		
-	AME	Result:	4	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recommende	ed Action:				



May 10, 2024

Nathaniel Jones Occu-Tec 2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117

TEL: (816) 890-8749

FAX:

RE: 923406 Central R-3 SD

Dear Nathaniel Jones:

TEKLAB, INC received 22 samples on 4/12/2024 1:15:00 PM 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,

Patrick Riley

Project Manager (618)344-1004 ex 44

patrickriley@teklabinc.com



WorkOrder: 24041028



Report Contents

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041028
Client Project: 923406 Central R-3 SD Report Date: 10-May-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended



Definitions

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041028

Client Project: 923406 Central R-3 SD Report Date: 10-May-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: Occu-Tec

Definitions

http://www.teklabinc.com/

Work Order: 24041028

Report Date: 10-May-24

Client Project: 923406 Central R-3 SD

- Unknown hydrocarbon

C - RL shown is a Client Requested Quantitation Limit

H - Holding times exceeded

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

Qualifiers

B - Analyte detected in associated Method Blank

E - Value above quantitation range

1 - Associated internal standard was outside method criteria

M - Manual Integration used to determine area response

R - RPD outside accepted recovery limits

T - TIC(Tentatively identified compound)



Client: Occu-Tec

Case Narrative

http://www.teklabinc.com/

Work Order: 24041028

Report Date: 10-May-24

Client Project: 923406 Central R-3 SD

Cooler Receipt Temp: N/A °C

Locations

Collinsville		Springfield	×	Kansas City
5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
jhriley@teklabinc.com	Email	KKlostermann@teklabine.com	Email	jhriley@teklabinc.com
Collinsville Air		Chicago		
5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
Collinsville, IL 62234-7425		Downers Grove, IL 60515		
(618) 344-1004	Phone	(630) 324-6855		
(618) 344-1005	Fax			
EHurley@teklabinc.com	Email	arenner@teklabinc.com		
	5445 Horseshoe Lake Road Collinsville, IL 62234-7425 (618) 344-1004 (618) 344-1005 jhriley@teklabinc.com Collinsville Air 5445 Horseshoe Lake Road Collinsville, IL 62234-7425 (618) 344-1004 (618) 344-1005	5445 Horseshoe Lake Road Address Collinsville, IL 62234-7425 (618) 344-1004 Phone (618) 344-1005 Fax jhriley@teklabinc.com Email Collinsville Air 5445 Horseshoe Lake Road Address Collinsville, IL 62234-7425 (618) 344-1004 Phone (618) 344-1005 Fax	5445 Horseshoe Lake Road Address 3920 Pintail Dr Collinsville, IL 62234-7425 Springfield, IL 62711-9415 (618) 344-1004 Phone (217) 698-1004 (618) 344-1005 Fax (217) 698-1005 jhriley@teklabinc.com Email KKlostermann@teklabinc.com Collinsville Air Chicago 5445 Horseshoe Lake Road Address 1319 Butterfield Rd. Collinsville, IL 62234-7425 Downers Grove, IL 60515 (618) 344-1004 Phone (630) 324-6855 (618) 344-1005 Fax	5445 Horseshoe Lake Road Address 3920 Pintail Dr Address Collinsville, IL 62234-7425 Springfield, IL 62711-9415 Phone (618) 344-1004 Phone (217) 698-1004 Phone (618) 344-1005 Fax (217) 698-1005 Fax jhriley@teklabinc.com Email KKlostermann@teklabinc.com Email Collinsville Air Chicago Chicago 5445 Horseshoe Lake Road Address 1319 Butterfield Rd. Collinsville, IL 62234-7425 Downers Grove, IL 60515 (618) 344-1004 Phone (630) 324-6855 (618) 344-1005 Fax



Accreditations

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041028

Client Project: 923406 Central R-3 SD Report Date: 10-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Dinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4 30 2025	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		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041028

Client Project: 923406 Central R-3 SD Report Date: 10-May-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
PA 600 4.1.4, Lead	, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
24041028-001A	406-CWS-00	NELAP	1.0	5.4	µg/L	1	05/06/2024 5:19	04/08/2024 0:00
24041028-002A	78 - NGRATAN BARAY	NELAP	1.0	2.1	µg/L	1	05/06/2024 5:33	04/08/2024 0:00
24041028-003A	k 1995/97/97/9	NELAP	1.0	4.4	µg/L	1	05/06/2024 5:36	04/08/2024 0:00
24041028-004A	H - 1774 CH 1877	NELAP	1.0	4.3	µg/L	1	05/06/2024 5:40	04/08/2024 0:00
24041028-005A		NELAP	1.0	3.4	µg/L	1	05/06/2024 5:43	04/08/2024 0:00
24041028-006A		NELAP	1.0	3.4	µg/L	1	05/06/2024 6:43	04/08/2024 0:00
24041028-007A	N 335 33 33 3	NELAP	1.0	3.0	µg/L	1	05/06/2024 5:47	04/08/2024 0:00
24041028-008A	(i) 18535 F6	NELAP	1.0	3.2	µg/L	1	05/06/2024 5:50	04/08/2024 0:00
24041028-009A	N 1879 E	NELAP	1.0	3.7	µg/L	1	05/06/2024 5:54	04/08/2024 0:0
24041028-010A	N 8355 ES	NELAP	1.0	4.0	µg/L	1	05/06/2024 6:18	04/08/2024 0:0
24041028-011A		NELAP	1.0	3.1	µg/L	5	05/09/2024 22:48	04/08/2024 0:0
24041028-012A		NELAP	1.0	4.0	µg/L	5	05/09/2024 22:51	04/08/2024 0:0
24041028-013A		NELAP	1.0	2.2	μg/L	1	05/06/2024 15:08	04/08/2024 0:0
24041028-0144		NELAP	1.0	3.7	µg/L	1	05/06/2024 15:12	04/08/2024 0:0
24041028-015A		NELAP	1.0	6.4	μg/L	1	05/06/2024 15:15	04/08/2024 0:0
24041028-016		NELAP	1.0	4.0	μg/L	1	05/06/2024 15:18	04/08/2024 0:0
24041028-017		NELAP	1.0	4.4	μg/L	1	05/06/2024 15:51	04/08/2024 0:0
24041028-018/		NELAP	1.0	4.1	µg/L	1	05/06/2024 15:54	04/08/2024 0:0
24041028-019/		NELAP	1.0	3.4	μg/L	1	05/06/2024 16:14	04/08/2024 0:0
24041028-020/		NELAP	1.0	3.0	µg/L	1	05/06/2024 15:57	04/08/2024 0:0
24041028-021/		NELAP	1.0	4.5	µg/L	1	05/06/2024 16:01	04/08/2024 0:0
24041028-022		NELAP	1.0	4.0	µg/L	1	05/06/2024 16:04	04/08/2024 0:0



Receiving Check List

http://www.teklabinc.com/

Work Order: 24041028

Client: Occu-Tec Report Date: 10-May-24 Client Project: 923406 Central R-3 SD Received By: LEH Carrier: Crossroads ma Oilauc Reviewed by: Completed by: Filler Hopkens On: On: 12-Apr-24 12-Apr-24 Amber Dilallo Ellie Hopkins Extra pages included Pages to follow: Chain of custody Not Present Temp °C N/A Yes No 🗌 Shipping container/cooler in good condition? Blue Ice None V Ice Dry Ice Type of thermal preservation? V No [Yes Chain of custody present? V No 🗌 Yes Chain of custody signed when relinquished and received? V Chain of custody agrees with sample labels? Yes No. Yes V No 🗌 Samples in proper container/bottle? Yes No 🗌 Sample containers intact? No 🗆 ∇ Sufficient sample volume for indicated test? Yes No 🗌 V All samples received within holding time? Yes NA V Field Lab Reported field parameters measured: No 🗌 Container/Temp Blank temperature in compliance? 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. No 🗆 No VOA vials V Yes 🗌 Water - at least one vial per sample has zero headspace? No TOX containers 🗹 Yes No 🗌 Water - TOX containers have zero headspace? Yes 🔽 NA No 🗆 Water - pH acceptable upon receipt? NA V Yes No 🗆 NPDES/CWA TCN interferences checked/treated in the field?

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberditatio - 4/12/2024 3:14:38 PM

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

Print PDF

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CCU-TEC, Inc.			Samples on: ICE	E D BLUE ICE 1	NOICE WALL C
ddress: 2604 NE Industrial Dr. Ste 230			Preserved in: 💢 LAB	∏ FELD	FOR LAB USE ONLY
1.14			LAB NOTES:		
ontact: Nate Jones	Phone: 816-890-8749	49	Science of Descript + Home	+tim chacked -pupy/II	11/h d/11
mail: njones@occutec.com	Fax:		Client Comments:		
ŭ,	;, a surcharge will apply:	☐ Yes 【】	5 ppb		
re these samples known to be hazardous? — Yes	Yes 💟 No requested analysis?. If yes, please provide	, please provide			
✓ Yes	Nb			1	ANALYSIS DECLIESTED
BER	SAMPLE COLLECTOR'S NAME	R'S NAME	# and Type of Containers	†	NUICATE ANALYSIS REQUESTED
	N, Jones				
RESULTS REQUESTED	BiLL	BILLING INSTRUCTIONS	H28 6 M 6 M	BO L	
Standard 1.2 Day (100% Surcharge)	charge)		46 004 204 207 207	3P 19t	
Other 3 Day (50% Surcharge)	arge)				
Lab Use Only Sample ID	Date/Time Sampled	<u>i</u>			
20041028-00x 400-600100	4/8/ 2024/	Drinking Water		7	
202 406-CWS-01	-	Drinking Water		>	
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Michagan Pearson	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1/24 1(00)	The Sha	A XX	5 12/24 1 SIS

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 CHAIN OF CUSTODY
 Pg 2 of 3 workorder # 1/404/028

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

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		४ १त	110	ST HBN				NH	BILLING INSTRUCTIONS	ВІСТ		RESULTS REQUESTED	
										hes	N. Jones	,3 SD	923406 Central R-3 SD
ANALYSIS REQUESTED	INDICATE A	Į	Ĭ	ontainers	S	ē Q	Ž	# and Type of C	<u>ן</u>	SAMPLE COLLECTOR'S NAME	SAMP	뛝	PROJECT NAME/NUMBER
									please provide	V No lanalysis? If yes.	Yes No	Are these samples known to be hazardous? We there any required reporting limits to be met on the requested analysis? If yes, please provide the factor of the comment section.	Are these samples known to t Are there any required reporting this in the comment section:
								g	in section with the sec	charge will apply:	li yes, a sur	are those samples known to be involved in litigation? If yes, a surcharge will apply:	ve thasa samples kr
					ĸ	men	8	Client Comments:			Fax:	njones@occutec.com	Emait: njones@
									49	Phone: 816-890-8749	Phon	nes	Contact: Nate Jones
						••	TES	LAB NOTES:				City/State/Zip: North Kansas City, MO	Atv/State/Zip: N
FOR LAB USE ONLY	ļn	FE		6	<u></u> [ěd ii	Preserved in:	<u> </u>			2604 NE Industrial Dr. Ste 230	Address: 2604 N
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NO ICE°C		BLUE		Μ̈́	넻		is on:	ample	S			C. Inc.	. OCCU-TE

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



May 13, 2024

John Wigger Central R3 School District 200 High Street Park Hills, Missouri 63601

RE: Drinking Water Sampling – Central Middle School

801 Columbia Street, Park Hills, MO 63601

Project Number: 923406

Mr. Wigger,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Central Middle School in Park Hills, Missouri. The sampling was requested and approved by Mr. John Wigger of Central R3 School District (CSD). OCCU-TEC completed drinking water sampling of building service lines, all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. 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

On April 8, 2024, Mr. Nathaniel Jones of OCCU-TEC completed testing of twentynine (29) sources throughout Central Middle School. Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

OCCU-TEC also collected two (2) additional sample from a source near the building's service line to compare concentrations of lead in samples throughout the building with the concentrations entering the building. Immediately before sampling, the faucet was flushed for 3-5 minutes. Location information and photographic documentation for all samples 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

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, three (3) of the thirty-one (31) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. Additionally, some sources were not functional at the time of sampling. Non-functional sources are included in the list below and should be sampled prior to returning to service.

Sample ID	Location	Туре	Result (ug/L)
406-CMS-00	Teacher's Lounge Restroom	Main Service Line	6.7
406-CMS-09	Kitchen	Island Prep Sink	12
406-CMS-11	Cafeteria	Drinking Fountain Bubbler	Non-Functional, Not Sampled
406-CMS-27	Grade 6 Hallway	Drinking Fountain Bubbler	Non-Functional, Not Sampled
406-CMS-29	Shop Classroom	Drinking Fountain Bottle Filler	Non-Functional, Not Sampled
406-CMS-32	Softball Field	Exterior Hydrant	61.9

LIMITATIONS

At the request of CSD, restroom sinks, classroom sinks, and custodial closet sinks were excluded from sampling. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water.

RECOMMENDATIONS

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

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

The service line which exhibited elevated lead concentrations should have a point of entry filter installed to reduce concentrations entering the building. Sources which were unable to be sampled due to functional issues should be sampled before returning to service or removed from service outright.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

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 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.

For fixtures exhibiting results above 5 ppb, follow up random "Flush" sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

SIGNATURE(S)

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

Respectfully,

Nathaniel Jones

Environmental Technician

Talland Love

Jeff Smith Senior Project Manager (QA/QC)

Sylmith.

ATTACHMENTS

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

ID:	406	-CMS-00	Location:	Teacher L	oung	e RR
Photo:			Manufacturer:			
			De	scription:		
			Main Building Sei	vice Line		
	23300		Result:	6.7	ķ	pb
			Date Sampled:	4/8/2024	Ву:	ΝЈ
Recomm	ended Action:	Instal	l Point of Entry Filter a	nd Resampl	е	

ID:	406-CMS-00.5	Location:	Grade 6	Hallway
Photo:		Manufacturer:		
1990		De	scription:	
		Grade 6 Hall Serv	vice Line	
		Result:	2.7	ppb
		Date Sampled:	4/8/2024	By: NJ
Recommend	ded Action:			

ID:	406-CMS-01	Location:	Kitc	hen
Photo:		Manufacturer:	Manit	owoc
		De	scription:	
		Ice Machine		
		Result:	<1.0	ppb

ID:	406-CM	5-02 Locati	on:	Kitch	en
Photo:		Manu	facturer: Chi	cago Fa	iucet Co.
		The control of the co	Descript	tion:	
	3 A 8	Hand Side	Washing Sink, No	orth Wall	I, West
	The females of the	Result		3.4	ppb
		Date S	Sampled: 4/8	3/2024	By: NJ
Recomm	ended Action:				

ID:	406-CMS-03	Location:	Kitc	hen
Photo:		Manufacturer:	T&S E	Brass
		De	scription:	
		Dish Station, Left		
		Result:	3.1	ppb
		Date Sampled:	4/8/2024	By: NJ

ID:	406-CMS-04	Location:	Kitc	hen
Photo:		Manufacturer:	T&S I	Brass
			scription:	
		Dish Station, Righ	ıt	
		Result:	3.7	ppb
		Date Sampled:	4/8/2024	ву: NJ
Recomm	ended Action:			

ID:	406-CMS-05	Location:	Kitc	hen		
Photo:		Manufacturer:	Chicago F	auce	t Co.	
		De	escription:			
		Hand Washing S	g Sink, North Wall East Side			
		Result:	3.1	р	pb	
		Date Sampled:	4/8/2024	Ву:	ИЛ	
Recomm	ended Action:					

ID:	406	-CMS-06	Location:	Kitchen		
Photo:			Manufacturer:	T&S I	Brass	
	(Annual Control of the Control of th	7.28	De	escription:		
			Dish Return Sprayer			
		/ -: 64	Result:	4	ppb	
			Date Sampled:	4/8/2024	Ву: NJ	
Recomme	ended Action:					

ID:	406-0	CMS-07	Location:	Kitchen		
Photo:			Manufacturer:	Chicago F	aucet Co	
			De	escription:		
			Hand Washing Sink, South Wall			
		B. B. K. K. C. S. P. S.	Result:	4.7	ppb	
			Date Sampled:	4/8/2024	By: NJ	
Recomme	nded Action:					

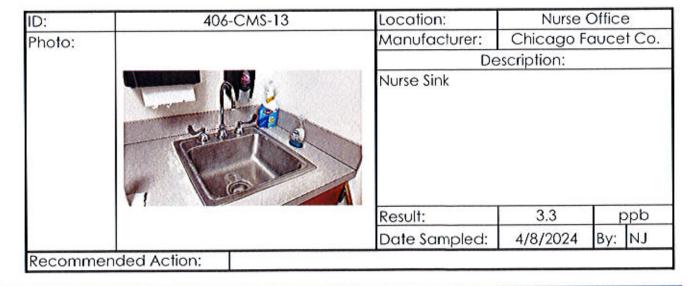
ID:	406-CMS-08	Location:	Kitchen	
Photo:		Manufacturer:	T&S F	Brass
		De	scription:	
		Pot Filler		
		Result:	2.2	ppb
		Date Sampled:	4/8/2024	By: NJ
Recommen	ded Action:			

ID:	408	5-CMS-09	Location:	Kitc	hen	
Photo:			Manufacturer:	T&S 8	Brass	
			De	escription:		
			Island Sink			
	- ANTIBARIO	The state of the s	Result:	12	pp	ob
			Date Sampled:	4/8/2024	By: N	N)
Recommended Action: Repla		lace Fixture/Unit and Resample				

ID:	406-CMS-10	Location:	Kitc	hen	
Photo:		Manufacturer:	T&S I	Brass	
		De	scription:		
		Kitchen Dish Sprayer, West Wall			
		Result:	3.6	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:				

ID:	406	-CMS-11	Location:	Cafe	teria	
Photo:			Manufacturer:	Elk	ay	
			De	escription:		
	Photo Not Taken		Drinking Fountain Bubbler, Left (Non-Functional)			
			Result:	N/A	ppb	
			Date Sampled:	4/8/2024	By: NJ	
Recommended Action: Samp		Sample Before Returning	g to Service			

ID:	406-CMS-12	Location:	Cafeteria			
Photo:		Manufacturer:	Elk	ay		
		De	scription:			
		Drinking Fountain	Drinking Fountain Bottle Filler			
		Result:	<1.0	ppb		
		Date Sampled:	4/8/2024	By: NJ		
Recomm	ended Action:					



ID:	406-CMS-14	Location:	Outsid	e Gym	
Photo:		Manufacturer:	Elk	ay	
		Description:			
		North Drinking Fountain Bottle Filler			
	1107411	Result:	<1.0	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:				

ID:	406-CMS-15	Location:	Outsid	e Gym		
Photo:		Manufacturer:	Elk	ay		
		De	scription:			
		South Drinking Fo	South Drinking Fountain Bubbler			
	Hot said to the language of	Result:	2.7	ppb		
		Date Sampled:	4/8/2024	By: NJ		
Recomme	ended Action:					

ID:	406-CMS-16	Location:	Mechanical Room I		
Photo:		Manufacturer:	Elk	ay	
		De	escription:		
		Drinking Fountain Bottle Filler			
		Result:	3.7	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:				

ID:	406-CMS-17	Location:	Home Ec. Room		
Photo:		Manufacturer:	aucet Co.		
		De	escription:		
		North Wall West	Station		
	and the state of t	Result:	3.6	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:				

ID:	406-CMS-18	Location:	Home E	c. Room	
Photo:		Manufacturer:	Chicago F	aucet Co.	
		De	Description:		
		North Wall East :	North Wall East Station		
		Result:	2.7	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:				

ID:	406-CMS-19	Location:	Home Ec. Room		
Photo:		Manufacturer:	Chicago F	aucet Co.	
		De	escription:		
		East Wall North S	East Wall North Station		
		Result:	3.6	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recommen	ded Action:				

ID:	406-CMS-20	Location:	on: Home Ec. Ro		
Photo:		Manufacturer:	Chicago F	aucet Co.	
	S 200	Description:			
		East Wall South S	East Wall South Station		
	THE RESTREET ALSO SERVED BY	Result:	2.7	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:				

406-CMS-21	Location:	Library Hall Girls'		
	Manufacturer:	Elk	Elkay	
	D	Description:		
	Drinking Founto	Drinking Fountoin Bubbler		
	Result:	4.3	ppb	
	Date Sampled:	4/8/2024	By: NJ	
	400-CIVI3-21	Manufacturer: Description Drinking Founto Result:	Manufacturer: Elk Description: Drinking Fountain Bubbler Result: 4.3	

ID:	406-CMS-22	Location:	Library Hall Boys	
Photo:		Manufacturer:	Elk	ay
		Description:		
		Drinking Fountain Bubbler		
	Water Control of the	Result:	3.9	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:			

ID:	406	S-CMS-23	Location:	Scienc	e Wing
Photo:			Manufacturer:	Elk	ay
			De		
			Drinking Fountair	n Bubbler, Le	ft
			Result:	1.6	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomme	nded Action:				

ID:	406-CMS-24	Location:	Scienc	e Wing
Photo:		Manufacturer:	Elk	ay
		Description:		
		Drinking Fountain	Drinking Fountain Bubbler, Right	
	AND STREET, ST	Result:	1.6	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:			

ID:	406-CMS-25	Location:	Teacher L	ounge Hall	
Photo:		Manufacturer:	Elk	cay	
		D	escription:		
		Drinking Founta	Drinking Fountain Bottle Filler		
		Result:	2.7	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:				

ID:	406	-CMS-26	Location:	Teacher Lo	ounge	e Hall
Photo:			Manufacturer:	Manufacturer: Elkay		
			De	escription:		
			Drinking Fountain	n Bubbler		
	and the same of th		Result:	2.7	F	pb
			Date Sampled:	4/8/2024	By:	ИЛ
Recomm	ended Action:					

ID:	406	-CMS-27	Location:	Grade	6 Hall
Photo:			Manufacturer: Elke		ay
			De	escription:	
			Drinking Fountair Functional)	n Bubbler, Le	ft (Non-
	Deputs		Result:	N/A	ppb
			Date Sampled:	4/8/2024	By: NJ
Recommen	nded Action:	S	ample Before Returning	g to Service	CONTRACTOR DISCOVERY

406-CMS-28	Location:	Grade	6 Hall			
	Manufacturer:	Elk	ay			
	De	scription:				
	Drinking Fountain	Drinking Fountain Bubbler, Right				
A SALE OF THE SALE OF THE SALE OF	Result:	2.8	ppb			
	Date Sampled:	4/8/2024	By: NJ			
	400-01413-20	Manufacturer: De Drinking Fountain Result:	Manufacturer: Elk Description: Drinking Fountain Bubbler, Rig Result: 2.8			

ID:	406	-CMS-29		Location:	Shop	Class	
Photo:				Manufacturer:	Elke	ay	
	The same of the sa			De	scription:		
				Drinking Fountair Functional)	n Bottle Filler	(Non-	
	IN AN AN ATTIMAN			Result:	N/A	p	pb
				Date Sampled:	4/8/2024	By:	NJ
Recomm	ended Action:		Sample	e Before Returning	g to Service		

ID:	406-CN	1S-30	Location:	Shop Class		
Photo:			Manufacturer:	Elk	ay	
			De	scription:		
			Drinking Fountain	Bubbler, Le	ft	
			Result:	<1.0	ppb	
			Date Sampled:	4/8/2024	By: NJ	
Recomme	ended Action:					

ID:	406-CN	NS-31	Location:	Shop	Class
Photo:			Manufacturer:	Elk	ay
			De	scription:	
			Drinking Fountair	n Bubbler, Riç	ght
			Result:	<1.0	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:				

ID:	406	-CMS-32	Location:	Softba	ll Field	
Photo:			Manufacturer:	Manufacturer: Unknow		
			De	escription:		
			Exterior Hydrant	(Not Flushed)		
	ENMIR PARTICIPATION IN	STREET, STREET	Result:	61.9	ppb	
			Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:	Rep	lace Fixture/Unit and	d Resample		



May 10, 2024

Nathaniel Jones Occu-Tec 2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117

TEL: (816) 890-8749

FAX:

RE: 923406 Central R-3 SD

Dear Nathaniel Jones:

TEKLAB, INC received 31 samples on 4/12/2024 1:15:00 PM 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,

Patrick Riley Project Manager

(618)344-1004 ex 44

patrickriley@teklabinc.com



100226 Illinois Illinois 1004652024-2 E-10374 Kansas 05002 Louisiana Louisiana 05003 9978 Oklahoma

WorkOrder: 24041030



Report Contents

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041030

Client Project: 923406 Central R-3 SD Report Date: 10-May-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended



Client Project: 923406 Central R-3 SD

Definitions

http://www.teklabinc.com/

Report Date: 10-May-24

Client: Occu-Tec Work Order: 24041030

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)



- Unknown hydrocarbon

H - Holding times exceeded

Definitions

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041030

Client Project: 923406 Central R-3 SD Report Date: 10-May-24

B - Analyte detected in associated Method Blank

E - Value above quantitation range

I - Associated internal standard was outside method criteria

M - Manual Integration used to determine area response

R - RPD outside accepted recovery limits

T - TIC(Tentatively identified compound)

Qualifiers

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

ND - Not Detected at the Reporting Limit

C - RL shown is a Client Requested Quantitation Limit

J - Analyte detected below quantitation limits



Case Narrative

http://www.teklabinc.com/

Work Order: 24041030

Report Date: 10-May-24

Client: Occu-Tec
Client Project: 923406 Central R-3 SD

Cooler Receipt Temp: N/A °C

Locations

	Collinsville	_	Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabine.com	Email	jhriley@teklabinc.com
	Collinsville Air	_	Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabine.com	Email	arenner@teklabine.com		



Accreditations

http://www.teklabinc.com/

Work Order: 24041030

Client: Occu-Tec	Work Order: 24041030
Client Project: 923406 Central R-3 SD	Report Date: 10-May-24

State	Dept	Cert#	NELAP	Exp Date	Lab
Dlinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	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		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
lowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041030

Client Project: 923406 Central R-3 SD Report Date: 10-May-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, META	LS BY ICPMS (TOTAL)						
Lead								
24041030-001A	406-CMS-00	NELAP	1.0	6.7	μg/L	1	05/05/2024 23:30	04/08/2024 0:00
24041030-002A	406-CMS-00.5	NELAP	1.0	2.7	μg/L	1	05/05/2024 23:34	04/08/2024 0:00
24041030-003A	406-CMS-01	NELAP	1.0	< 1.0	μg/L	1	05/05/2024 23:37	04/08/2024 0:00
24041030-004A	406-CMS-02	NELAP	1.0	3.4	μg/L	1	05/06/2024 0:40	04/08/2024 0:00
24041030-005A	406-CMS-03	NELAP	1.0	3.1	μgΛ	1	05/05/2024 23:41	04/08/2024 0:00
24041030-006A	406-CMS-04	NELAP	1.0	3.7	µg/L	1	05/05/2024 23:44	04/08/2024 0:00
24041030-007A	406-CMS-05	NELAP	1.0	3.1	µg/L	1	05/05/2024 23:47	04/08/2024 0:00
24041030-008A	406-CMS-06	NELAP	1.0	4.0	µg/L	1	05/05/2024 23:51	04/08/2024 0:00
24041030-009A	406-CMS-07	NELAP	1.0	4.7	µg/L	1	05/06/2024 0:15	04/08/2024 0:00
24041030-010A	406-CMS-08	NELAP	1.0	2.2	µg/L	1	05/06/2024 0:19	04/08/2024 0:00
24041030-0114	406-CMS-09	NELAP	1.0	12.0	μg/L	1	05/06/2024 0:22	04/08/2024 0:00
24041030-0124		NELAP	1.0	3.6	μg/L	1	05/06/2024 0:26	04/08/2024 0:00
24041030-013A	406-CMS-12	NELAP	1.0	< 1.0	µg/L	1	05/06/2024 0:29	04/08/2024 0:00
24041030-0144	406-CMS-13	NELAP	1.0	3.3	µg/L	1	05/06/2024 0:33	04/08/2024 0:00
24041030-015	406-CMS-14	NELAP	1.0	< 1.0	μg/L	1	05/06/2024 0:36	04/08/2024 0:00
24041030-0164	406-CMS-15	NELAP	1.0	2.7	μg/L	1	05/06/2024 1:00	04/08/2024 0:00
24041030-0174	406-CMS-16	NELAP	1.0	3.7	µg/L	1	05/06/2024 1:04	04/08/2024 0:00
24041030-018		NELAP	1.0	3.6	µg/L	1	05/06/2024 1:25	04/08/2024 0:00
24041030-0194	406-CMS-18	NELAP	1.0	2.7	µg/L	1	05/06/2024 1:07	04/08/2024 0:00
24041030-020		NELAP	1.0	3.6	µg/L	1	05/06/2024 1:11	04/08/2024 0:00
24041030-021/		NELAP	1.0	2.7	µg/L	1	05/06/2024 1:56	04/08/2024 0:00
24041030-022		NELAP	1.0	4.3	µg/L	1	05/06/2024 2:00	04/08/2024 0:00
24041030-023/		NELAP	1.0	3.9	µg/L	1	05/06/2024 2:03	04/08/2024 0:00
24041030-024/		NELAP	1.0	1.6	µg/L	1	05/06/2024 2:07	04/08/2024 0:00
24041030-025/		NELAP	1.0	1.6	µg/L	1	05/06/2024 2:31	04/08/2024 0:00
24041030-026/		NELAP	1.0	2.7	µg/L	1	05/06/2024 2:55	04/08/2024 0:00
24041030-027/		NELAP	1.0	2.7	μg/L	1	05/06/2024 2:34	04/08/2024 0:00
24041030-028/		NELAP	1.0	2.8	μg/L	1	05/06/2024 2:38	04/08/2024 0:00
24041030-029/		NELAP	1.0	< 1.0	μg/L	1	05/06/2024 2:41	04/08/2024 0:00
24041030-030/		NELAP	1.0	< 1.0	μg/L	1	05/06/2024 2:45	04/08/2024 0:00
24041030-031/		NELAP	1.0	61.9	μg/L	5	05/09/2024 22:55	04/08/2024 0:00



Receiving Check List

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041030
Client Project: 923406 Central R-3 SD Report Date: 10-May-24

Carrier: Crossroads Completed by: On: 12-Apr-24 Amber Dilallo	C	Received By: L Reviewed by: On: 12-Apr-24	Elles Vol Ellie Hopkins	phens	-cu-n
Pages to follow: Chain of custody 3	Extra pages i	ncluded 0			
Shipping container/cooler in good condition?	Yes 🔽	7 No [Not Present	☐ Temp °C	N/A
Type of thermal preservation?	None V		Blue Ice		
Chain of custody present?	Yes V			28	
Chain of custody signed when relinquished and received?	Yes V	No [
Chain of custody agrees with sample labels?	Yes V	O No [
Samples in proper container/bottle?	Yes 5	Z No []		
Sample containers intact?	Yes 5	No [
Sufficient sample volume for indicated test?	Yes S	Z No [
All samples received within holding time?	Yes 5	Z No [
Reported field parameters measured:	Field [Lab [] NA	✓	
Container/Temp Blank temperature in compliance?	Yes 5	Z No [
When thermal preservation is required, samples are complian 0.1°C - 6.0°C, or when samples are received on ice the same	nt with a temp e day as colle	erature between cted.			
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	✓	
	Yes 5	Z) No [NA NA		
Water - pH acceptable upon receipt?	Yes [] No [T-33		
NPDES/CWA TCN interferences checked/treated in the field?	res L	_ NO L			
Any No responses r	must be detai	led below or on	the COC.		

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdiallo - 4/12/2024 3:15:52 PM

CHAIN OF CUSTODY Pg 1 of 3 workorder # 24041030

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

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										ves, please provide	requested analysis?. If y	we make samples known to be inexamples in the requested analysis? If yes, please provide on the requested analysis? If yes, please provide on the comment section:
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					S	lent:	AMM,	ζ Z	Client Comments:		Fax:	mail: njones@occutec.com
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CHAIN OF CUSTODY

Pg 2 of ∑ Workorder # 2404 1030

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

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													N. Jones	23406 Central R-3 SD
ANALYSIS REQUESTED	INDICATE AN	ND	ã	# and Type of Containers	윭	Š.	ğ	اجًا	ă	*	m	CTOR'S NAME	SAMPLE COLLECTOR'S NAME	띩
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					71	Client Comments:	¥	Š	1	<u>. ⊡</u>			Fax:	mail: njones@occutec.com
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CHAIN OF CUSTODY

Pg 3 of 3 Workorder # 2404 (030)

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

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		N. Jones	923406 Central R-3 SD
# and Type of Containers INDICATE ANALYSIS REQUESTED		SAMPLE COLLECTOR'S NAME	BER
	<u>\</u>	s, a surcharge will apply: es	Are these samples known to be involved in flitigation? If yes, a surcharge will apply: Yes Are these samples known to be hazardous? Yes V No Are these any required reporting limits to be med on the requested smallysis?. If yes, please provide the tomorphism of the comment section:
Client Comments:		Fax:	Email: njones@occutec.com
		Phone: 816-890-8749	Contact: Nate Jones
LAB NOTES:	Į.		
Preserved in: LAB FELD FOR LABUSE ONLY	Pre		Address: 2604 NE Industrial Dr. Ste 230
Samptes on: THCE BLUENCE NOICE*C	Sar		Client OCCU-TEC, Inc.

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



May 13, 2024

John Wigger Central R3 School District 200 High Street Park Hills, Missouri 63601

RE: Drinking Water Sampling - Central High School

116 Rebel Flat Drive, Flat River, MO 63601

Project Number: 923406

Mr. Wigger,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Central High School in Flat River, Missouri. The sampling was requested and approved by Mr. John Wigger of Central R3 School District (CSD). OCCU-TEC completed drinking water sampling of building service lines, all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. 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

On April 8, 2024, Mr. Nathaniel Jones of OCCU-TEC completed testing of twenty-eight (28) sources throughout Central High School. Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

OCCU-TEC also collected one (1) additional sample from a source near the building's service line to compare concentrations of lead in samples throughout the building with the concentrations entering the building. Immediately before sampling, the faucet was flushed for 3-5 minutes. Location information and photographic documentation for all samples 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

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, four (4) of the thirty (30) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. Additionally, some sources were not functional at the time of sampling. Non-functional sources are included in the list below and should be sampled prior to returning to service.

Sample ID	Location	Туре	Result (ug/L)
406-CHS-08	Gym Area Women's Restroom	Drinking Fountain Bubbler	Non-Functional, Not Sampled
406-CHS-09	Café Cellar	Kitchenette Sink	6.8
406-CHS-11	Nurse's Office	Sink	5.0
406-CHS-17	Kitchen Dish Return	Hand Washing Sink	6.4
406-CHS-25	Home Economics Room	East Wall Kitchen Station	49.7

LIMITATIONS

At the request of CSD, restroom sinks, classroom sinks, and custodial closet sinks were excluded from sampling. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water.

RECOMMENDATIONS

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

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried. Sources which were unable to be sampled due to functional issues should be sampled before returning to service or removed from service outright.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

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 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.

For fixtures exhibiting results above 5 ppb, follow up random "Flush" sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

SIGNATURE(S)

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

Respectfully,

Nathaniel Jones Environmental Technician

Hattus Low

Jeff Smith Senior Project Manager (QA/QC)

MSmith.

ATTACHMENTS

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

ID:	406	-CHS-00	Location:	Teacher	Loun	ge
Photo:			Manufacturer:			
			De	scription:		
			Service Line			
			Result:	2.9	F	ppb
			Date Sampled:	4/8/2024	Ву:	ИЛ
Recomme	ended Action:					

ID:	406-CHS-01	Location:	Backstage	Auditorium
Photo:		Manufacturer:	Elk	ay
		D	escription:	
		Drinking Founta	n Bubbler	
		Result:	3.2	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:	•		

406-CHS-02	Location:	Weight	Room	1
	Manufacturer:	Elk	ay	2597
	De	escription:		
	Drinking Fountain	n Bottle Filler		
MARKA	Result:	<1.0	р	pb
	Date Sampled:	4/8/2024	Ву:	NJ
	TO MAKAN TELEP	Manufacturer: De Drinking Fountain Result:	Manufacturer: Elk Description: Drinking Fountain Bottle Filler Result: <1.0	Manufacturer: Elkay Description: Drinking Fountain Bottle Filler Result: <1.0 p

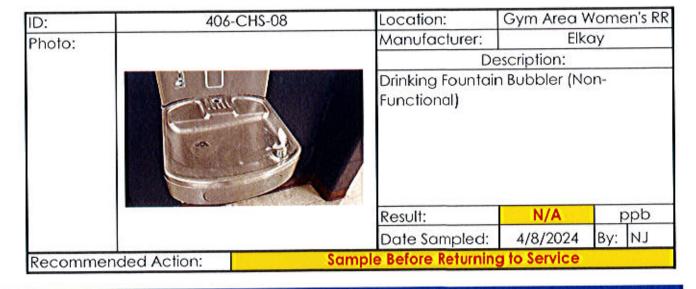
ID:	406-CHS-03	Location:	Weight	Room
Photo:		Manufacturer:	Elk	ay
12		De	escription:	
		Drinking Fountai	n Bubbler, le	ff
		Result:	<1.0	ppb
		Date Sampled:	4/8/2024	By: NJ
Recommend	ed Action:			

ID:	406-CHS-04	Location:	Weigh	t Room
Photo:		Manufacturer:	Elk	ay
50000		D	escription:	10.
		Drinking Founta	n Bubbler, Ri	ght
		Result:	<1.0	ppb
		Date Sampled:	4/8/2024	By: NJ
Recommen	ded Action:			

ID:	406-CHS-0	Location:	G [,]	ym
Photo:		Manufacturer	: Elk	cay
A C C C C C C C C C C C C C C C C C C C			Description:	
		Drinking Foun	tain Bottle Filler	
		Result:	3	ppb
		Date Sample	d: 4/8/2024	By: NJ
Recommen	ded Action:			

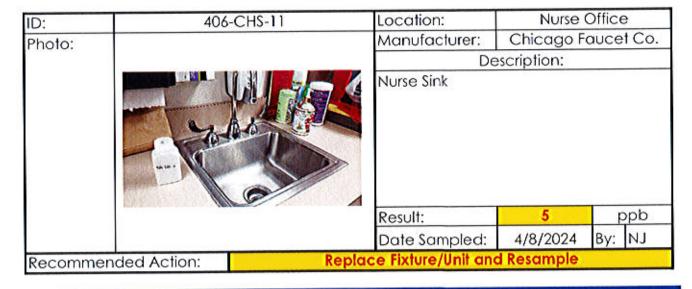
ID:	406-CHS-06	Location:	Gym Area	Men	's RR
Photo:		Manufacturer:	Elk	ay	
		De	scription:		
		Drinking Fountain	n Bubbler		
		Result:	4.1	р	pb
		Date Sampled:	4/8/2024	Ву:	NJ
Recommen	ded Action:				

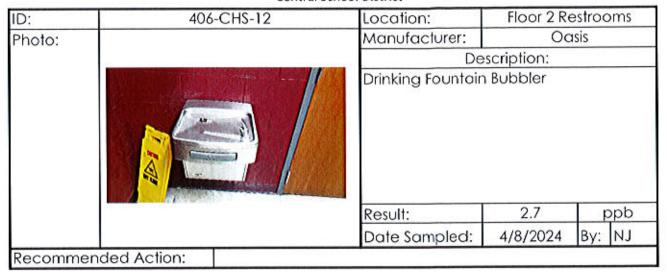
ID:	406-CHS-07	Location:	Gym Area \	Women's RR	
Photo:		Manufacturer:	Elk	ay	
		D	escription:		
		Drinking Founta	Drinking Fountain Bottle Filler		
	The state of the s	Result:	<1.0	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomme	nded Action:				



ID:	406	-CHS-09	Location:	Café (
Photo:			Manufacturer:	Chicago F	auce	t Co.
	2015		De	escription:		
			Kitchenette Sink			
			Result:	6.8	р	pb
			Date Sampled:	4/8/2024	Ву:	NJ
Recomm	ended Action:	Re	place Fixture/Unit and	d Resample		

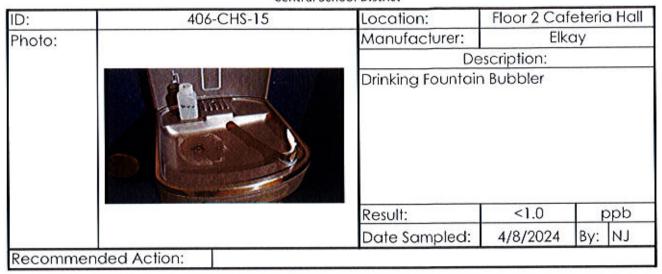
ID:	406-CH	S-10	Location:	Math Hall Restroo		
Photo:			Manufacturer:	Elk	ay	
			De	escription:		
				Drinking Fountain Bottle Filler		
			Result:	4	ppb	
			Date Sampled:	4/8/2024	Ву: NJ	
Recommen	ded Action:		***************************************	10-11-11-11-11-11-11-11-11-11-11-11-11-1		





ID:	406-CHS-13	Location:	Floor 2 Restrooms		
Photo:		Manufacturer:	Elk	ay	
		De	scription:		
		Drinking Fountain Bottle Filler			
"		Result:	3.5	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recommende	ed Action:			Me South	

	Manufacturer:	Elk	ay		
	De	scription:			
CONTRACT OF THE PARTY OF THE PA	Drinking Fountain	Drinking Fountain Bottle Filler			
	Result:	<1.0	ppb		
	Date Sampled:	4/8/2024	ву: NJ		
	A PARA CONTRACTOR OF THE PARA CONTRACTOR OF T	Drinking Fountain Result:	Result: <1.0		



ID:	406-CHS-16	Location:	Kitchen Dish Retu	
Photo:		Manufacturer:	Manufacturer: Fisher	
	1.00m	De	scription:	
		Kitchen Dish Sprayer		
		Result:	2.2	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:			

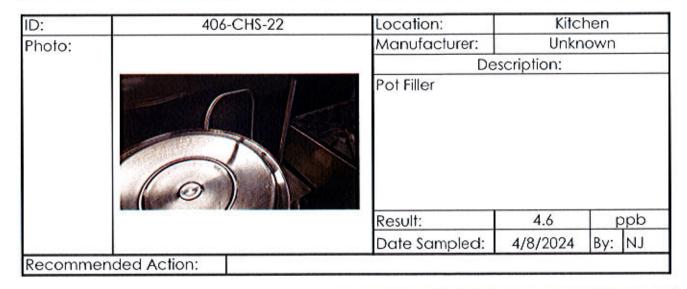
ID:	406	-CHS-17	Location:	Kitchen D	ish Return
Photo:			Manufacturer:	Unkn	iown
			De	scription:	
			Hand Washing Sink		
	Comment Bestund 12 12	T INC	Result:	6.4	ppb
			Date Sampled:	4/8/2024	By: NJ
Recommended Action: Rep		olace Fixture/Unit and Resample			

ID:	406-CHS-18	Location:	Kitcl	hen	
Photo:		Manufacturer:	Unkn	own	
		De	scription:		
		Hand Washing Sir	nk		
		Result:	4.8	F	pb
		Date Sampled:	4/8/2024	Ву:	ИJ
Recomm	ended Action:				

ID:	406-CHS-19	Location:	Kitc	hen
Photo:		Manufacturer:	Fish	ner
		De	scription:	
		Dish Station, Righ	t	
	The state of the s	Result:	2.5	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:			

ID:	406-CHS-20	Location:	Kitchen	
Photo:		Manufacturer:	Fish	ner
		De	scription:	
		Dish Station, Left		
		Result:	<1.0	ppb
		Date Sampled:	4/8/2024	By: NJ

ID:	406-CHS-21	Location:	Kitcl	hen	
Photo:		Manufacturer:	Fish	ner	
acas maren		De	scription:		
		Kitchen Dish Spro	iyer		
		Result:	3	р	pb
		Date Sampled:	4/8/2024	Ву:	NJ
Recomme	ended Action:				



ID:	406-CHS-23	Location:	Kitc	hen	
Photo:		Manufacturer:	Unkr	iown	
		De	scription:		
		Prep Sink	Prep Sink		
		Result:	2.6	ppb	
		Date Sampled:	4/8/2024	By: NJ	
Recomm	ended Action:				

ID:	40	6-CHS-24	Location:	Kitc	hen
Photo:			Manufacturer:	Scots	man
2.20.000	12 x 4 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x		De	escription:	
			Ice Machine		
	MINISTRALIS SANCES	Association of the second	Result:	1.1	ppb
			Date Sampled:	4/8/2024	By: NJ
Recomme	ended Action:				

ID:	406-0	CHS-25	Location:	Home E	c. Roo	m
Photo:			Manufacturer:	Chicago F	aucet	Co.
			De	escription:		
			East Wall Station			
"			Result:	49.7	р	pb
			Date Sampled:	4/8/2024	Ву:	ΝЈ
Recommende	ed Action:	Rep	lace Fixture/Unit and	d Resample		



ID:	406-CHS-27	Location:	Home Ed	c. Roc	m
Photo:		Manufacturer:	Chicago F	auce	t Co.
		De	escription:		
		South Wall Statio	n, Center		
		Result:	4	ŗ	pb
		Date Sampled:	4/8/2024	Ву:	ΝЈ
Recomm	ended Action:	•			

ID:	406-CHS-	28 Locatio	n:	Home Ed	c. Room
Photo:		Manufo	acturer:	Chicago F	aucet Co
	The second secon		De	escription:	
		South V	Vall Statio	n, West	
		Result:		2.5	ppb
		Date S	ampled:	4/8/2024	By: NJ
Recomm	ended Action:				

	Manufacturer: De Drinking Fountain Functional)	Oc scription: Bubbler (No	
	Drinking Fountain		on-
		Bubbler (No	on-
Mary No. 1 (Marine)	Result:	4	ppb
	Date Sampled:	4/8/2024	By: NJ

ID:	406-CHS-30	Location:	Floor 1 Re	estrooms
Photo:		Manufacturer:	Elk	ay
	Zaudenie – za Wiese omera Wiese der des von der	De	scription:	
		Drinking Fountair	n Bottle Filler	
	The state of the s	Result:	2.9	ppb
		Date Sampled:	4/8/2024	By: NJ
Recomm	ended Action:			



May 10, 2024

Nathaniel Jones Occu-Tec 2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117

TEL: (816) 890-8749

FAX:

RE: 923406 Central R-3 SD

Dear Nathaniel Jones:

TEKLAB, INC received 29 samples on 4/12/2024 1:15:00 PM 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,

Patrick Riley

Project Manager

(618)344-1004 ex 44

patrickriley@teklabinc.com



Illinois 100226 Illinois 1004652024-2

Kansas E-10374 Louisiana 05002 Louisiana 05003

Oklahoma 9978

WorkOrder: 24041027



Client: Occu-Tec

Report Contents

http://www.teklabinc.com/

Work Order: 24041027

Report Date: 10-May-24

This reporting package includes the following:

Client Project: 923406 Central R-3 SD

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended



Client: Occu-Tec

Client Project: 923406 Central R-3 SD

Definitions

http://www.teklabinc.com/

Work Order: 24041027

Report Date: 10-May-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 recal bration.
- 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: Occu-Tec

Definitions

http://www.teklabinc.com/

Work Order: 24041027

Report Date: 10-May-24

- Unknown hydrocarbon

Client Project: 923406 Central R-3 SD

C - RL shown is a Client Requested Quantitation Limit

H - Holding times exceeded

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

Qualifiers

B - Analyte detected in associated Method Blank

E - Value above quantitation range

I - Associated internal standard was outside method criteria

M - Manual Integration used to determine area response

R - RPD outside accepted recovery limits

T - TIC(Tentatively identified compound)



Case Narrative

http://www.teklabinc.com/

Work Order: 24041027

Report Date: 10-May-24

Client: Occu-Tec
Client Project: 923406 Central R-3 SD

Cooler Receipt Temp: N/A °C

Locations

	Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214	
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998	
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998	
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabine.com	
140000000000000000000000000000000000000	Collinsville Air		Chicago			
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.			
	Collinsville, IL 62234-7425		Downers Grove, IL 60515			
Phone	(618) 344-1004	Phone	(630) 324-6855			
Fax	(618) 344-1005	Fax				
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com			
0.00			arenner@teklabine.com			



Accreditations

http://www.teklabinc.com/

Work Order: 24041027

Report Date: 10-May-24

Client: Occu-Tec

Client Project: 923406 Central R-3 SD

Dept	Cert #	NELAP	Exp Date	Lab
IEPA	100226	NELAP	1/31/2025	Collinsville
IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
KDHE	E-10374	NELAP	4/30/2025	Collinsville
LDEQ	05002	NELAP	6/30/2024	Collinsville
LDEQ	05003	NELAP	6/30/2024	Collinsville
ODEQ	9978	NELAP	8/31/2024	Collinsville
ADEQ	88-0966		3/14/2025	Collinsville
IDPH	17584		5/31/2025	Collinsville
IDNR	430		6/1/2024	Collinsville
UST	0073		1/31/2025	Collinsville
MSDH			4/30/2025	Collinsville
MDNR	930		1/31/2025	Collinsville
MDNR	00930		10/31/2026	Collinsville
	IEPA IEPA KDHE LDEQ LDEQ ODEQ ADEQ IDPH IDNR UST MSDH MDNR	IEPA 100226 IEPA 1004652024-2 KDHE E-10374 LDEQ 05002 LDEQ 05003 ODEQ 9978 ADEQ 88-0966 IDPH 17584 IDNR 430 UST 0073 MSDH MDNR 930	IEPA 100226 NELAP IEPA 1004652024-2 NELAP KDHE E-10374 NELAP LDEQ 05002 NELAP LDEQ 05003 NELAP ODEQ 9978 NELAP ADEQ 88-0966 IDPH 17584 IDNR 430 UST 0073 MSDH MDNR 930	IEPA 100226 NELAP 1/31/2025 IEPA 1004652024-2 NELAP 4/30/2025 KDHE E-10374 NELAP 4/30/2025 LDEQ 05002 NELAP 6/30/2024 LDEQ 05003 NELAP 6/30/2024 ODEQ 9978 NELAP 8/31/2024 ADEQ 88-0966 3/14/2025 IDPH 17584 5/31/2025 IDNR 4/30 6/1/2024 UST 0073 1/31/2025 MSDH 4/30/2025 MDNR 9/30 1/31/2025



Laboratory Results

http://www.teklabinc.com/

Client: Occu-Tec Work Order: 24041027

Client Project: 923406 Central R-3 SD Report Date: 10-May-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, META	LS BY ICPMS (TOTAL)						
Lead	3							
24041027-001	A 406-CHS-01	NELAP	1.0	3.2	μg∕L	1	05/06/2024 6:22	04/08/2024 0:00
24041027-002	A 406-CHS-02	NELAP	1.0	< 1.0	µg∕L	1	05/06/2024 6:25	04/08/2024 0:00
24041027-003		NELAP	1.0	< 1.0	µg/L	1	05/06/2024 6:29	04/08/2024 0:00
24041027-004		NELAP	1.0	< 1.0	µg/L	1	05/06/2024 6:32	04/08/2024 0:00
24041027-005		NELAP	1.0	3.0	µg/L	1	05/06/2024 6:36	04/08/2024 0:00
24041027-006		NELAP	1.0	4.1	μg/L	1	05/06/2024 6:39	04/08/2024 0:00
24041027-007		NELAP	1.0	< 1.0	μg/L	1	05/06/2024 15:22	04/08/2024 0:00
24041027-008	M: 1000000000000000000000000000000000000	NELAP	1.0	6.8	µg/L	5	05/09/2024 22:37	04/08/2024 0:00
24041027-009		NELAP	1.0	4.0	µg/L	5	05/09/2024 22:40	04/08/2024 0:00
24041027-010		NELAP	1.0	5.0	µg/L	1	05/06/2024 15:05	04/08/2024 0:00
24041027-011		NELAP	1.0	2.7	µg/L	1	05/06/2024 18:27	04/08/2024 0:00
24041027-012		NELAP	1.0	3.5	µg/L	1	05/06/2024 19:11	04/08/2024 0:00
24041027-013		NELAP	1.0	< 1.0	μg/L	1	05/06/2024 17:29	04/08/2024 0:00
24041027-014	3. 이 - (이 - () 이 - () - () - () - () - ()	NELAP	1.0	< 1.0	μg/L	1	05/06/2024 17:33	04/08/2024 0:00
24041027-015		NELAP	1.0	2.2	μg/L	1	05/06/2024 17:36	04/08/2024 0:00
24041027-016		NELAP	1.0	6.4	µg/L	1	05/06/2024 17:39	04/08/2024 0:00
24041027-017		NELAP	1.0	4.8	µg/L	1	05/06/2024 18:03	04/08/2024 0:00
24041027-018		NELAP	1.0	2.5	µg/L	1	05/06/2024 18:06	04/08/2024 0:00
24041027-019	11.10 - 11.10 - 11.10 - 11.10 - 11.10 - 11.10	NELAP	1.0	< 1.0	µg/L	1	05/06/2024 18:10	04/08/2024 0:00
24041027-020	18	NELAP	1.0	3.0	µg/L	1	05/06/2024 18:13	04/08/2024 0:00
24041027-021		NELAP	1.0	4.6	μg/L	1	05/06/2024 18:17	04/08/2024 0:00
24041027-022		NELAP	1.0	2.6	µg/L	1	05/06/2024 18:20	04/08/2024 0:00
24041027-023		NELAP	1.0	1.1	µg/L	1	05/06/2024 18:23	04/08/2024 0:00
24041027-024		NELAP	1.0	49.7	µg/L	1	05/06/2024 18:47	04/08/2024 0:00
24041027-025	경기는 대한경 과장 가지를 이번째 살이다.	NELAP	1.0	4.7	µg/L	5	05/09/2024 22:44	04/08/2024 0:00
24041027-026	있게 - 경기장에 가면서 어디 맛있다	NELAP	1.0	4.0	µg/L	1	05/06/2024 18:51	04/08/2024 0:00
24041027-027		NELAP	1.0	2.5	µg/L	1	05/06/2024 18:54	04/08/2024 0:00
24041027-028		NELAP	1.0	4.0	µg/L	1	05/06/2024 18:57	04/08/2024 0:00
24041027-029	경기는 경기가 하면 가장 가장하다	NELAP	1.0	2.9	μg/L	1	05/06/2024 19:01	04/08/2024 0:00



Receiving Check List

http://www.teklabinc.com/

Work Order: 24041027 Client: Occu-Tec Report Date: 10-May-24 Client Project: 923406 Central R-3 SD Received By: LEH Carrier: Crossroads Reviewed by: mr Oilauc Completed by: Elles Hopkens On: On: 12-Apr-24 12-Apr-24 Ellie Hopkins Amber Dilallo Extra pages included Chain of custody Pages to follow: No 🗌 Yes V Not Present Temp *C Shipping container/cooler in good condition? Ice Blue Ice Dry Ice None Type of thermal preservation? No 🗌 V Yes Chain of custody present? No 🗌 V Yes Chain of custody signed when relinquished and received? V No 🗌 Yes Chain of custody agrees with sample labels? V No 🗌 Samples in proper container/bottle? Yes No 🗌 V Yes Sample containers intact? V No 🗌 Yes Sufficient sample volume for indicated test? No 🗌 V Yes All samples received within holding time? NA 🗸 Lab Field Reported field parameters measured: No 🗌 Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are compliant with a temperature between

Yes 🗌

Yes

Yes V

Yes

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

No 🗌

No 🗌

No 🗌

No 🗆

No VOA vials V

NA V

No TOX containers V

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 4/12/2024 3:13:08 PM

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?

NPDES/CWA TCN interferences checked/treated in the field?

Water - TOX containers have zero headspace?

Water - pH acceptable upon receipt?

רחת רטר Pg 1 of 3 workorder # 24041027
TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

COCHLIED Inc			Samples on:	룺	š	ار–	匚	m	\neg	<u>.</u>	BLUE ICE	쥰		ď	NO ICE	ក្អ	,"	2	2000	ď			
Address: 2604 NE Industrial Dr. Ste 230			Pres	Preserved in:	3	ואל	<u>₹</u>	6		<u>ה</u> י	FELD	-			FOR LAB USE ONLY	8	SU	Ü	Ž.	1-4			
City/State/Zip: North Kansas City, MO			Æ	LAB NOTES:	ë		•																
Contact: Nate Jones	Phone: 816-890-8749	9	405	Sumple III's idetectione	5	ķ	į,	G.	Ř		ولمدو وبوجار سيمنهن فيلانه	6	-	1	É	F			1				丄
Email: njones@occutec.com	Fax:			Client Comments:	Ĭ	ě	*!																
e samples known to be involved in lingation? t	ss, a surcharge will apply:	₩ No	add c	6																			
4ve these samples known to be hazardous?	Yes																						_
Are there any required reporting limits to be met on the requested enalyses? If you, ploase provide finits in the comment section:	No	please provide								1	1]	l	1	1	1	1		1		1	
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[&]quot;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

 CHAIN OF CUSTODY
 Pg 2 of 1 workorder # 24041021

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

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	0 900	ppdy: Yes V	re these samples known to be involved in htgation? If yes, a surcharge will apply: The these samples known to be hazardous? Yes No	re these s
	Client Comments:		njones@occutec.com Fax:	mail:
		0-8749	ontact: Nate Jones Phone: 816-890-8749	ontact
	LAB NOTES:			twistate
FOR LAB USE ONLY	Preserved in: LAB FELD		2604 NE Industrial Dr. Sto 230	ddress:
CE NOICE°C	Samples on: ICE BLUE ICE		GCCU-TEC, Inc.	(a)

 CHAIN OF CUSTODY
 Pg 3 of 3 workorder # 24(04) (027)

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

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	923406 Central R-3 SD N. Jones
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nalysis?. If yes, please provide	reits in the comment section: V Yes No
8	ve these samples known to be involved in litigation? If yes, a surcharge will apply:
Client Comments:	email: njones@occutec.com Fax:
816-890-8749	Contact: Nate Jones Phone:
LAB NOTES:	
Preserved in:	\ddress 2604 NE Industrial Dr. Ste 230
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