

January 25, 2024

Debbie Haertling
Altenburg Public School District #48
8432 Main Street
Altenburg, MO 63732

RE: Drinking Water Sampling Report
Altenburg Public School District #48
8432 Main Street
Altenburg, MO 63732
Project Number: 923197

Ms. Haertling,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at the Altenburg Public School District #48 (ASD) in Altenburg, Missouri. The sampling was requested and approved by Mr. Tom Roth of ASD. Drinking water sampling was completed by ASD staff of 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 December 9th, 2023, Mr. Tom Roth completed self-sample testing of thirty-nine (39) sources throughout ASD. 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, laboratory-provided 250-milliliter plastic sample containers. Sample location information and photographic documentation are noted in the attached table.

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

RESULTS

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-nine (39) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead.

Sample ID	Location	Type	Result (ug/L)
197-APS-25	Girls Primary Bathroom	Sink - Right	12.7
197-APS-26	Boy's Primary Bathroom	Sink - Left	8.5
197-APS-27	Boy's Primary Bathroom	Sink - Right	11.7

LIMITATIONS

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

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 the UCLS. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,



Kevin Heriford
Director EH&S Dept.

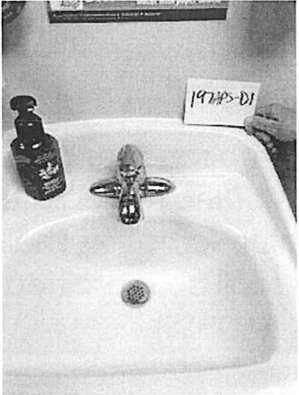



Brittany Dickmeyer
Safety Specialist


ATTACHMENTS

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

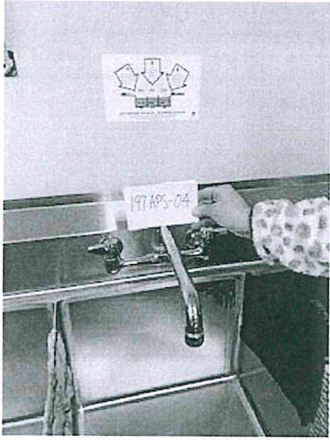
Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-01	Location:	Kitchen
Photo:		Manufacturer:	Unknown
		Description:	
		Handwashing sink	
		Result:	<1.0
Date Sampled:		12/9/2023	By: DH
Recommended Action:			


ID:	197-APS-02	Location:	Kitchen
Photo:		Manufacturer:	Unknown
		Description:	
		Sink	
		Result:	<1.0
Date Sampled:		12/9/2023	By: DH
Recommended Action:			

ID:	197-APS-03	Location:	Kitchen
Photo:		Manufacturer:	Unknown
		Description:	
		Dish Washer	
		Result:	<1.0
Date Sampled:		12/9/2023	By: DH
Recommended Action:			


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District

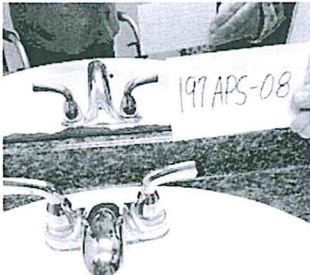
ID:	197-APS-04	Location:	Kitchen	
Photo:		Manufacturer:	Unknown	
		Description:		
		3 way sink		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: KM


ID:	197-APS-05	Location:	Kitchen	
Photo:		Manufacturer:	Unknown	
		Description:		
		Hand washing sink		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: DH

ID:	197-APS-06	Location:	Kitchen	
Photo:		Manufacturer:	Unknown	
		Description:		
		Stainless Steel sink		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: DH

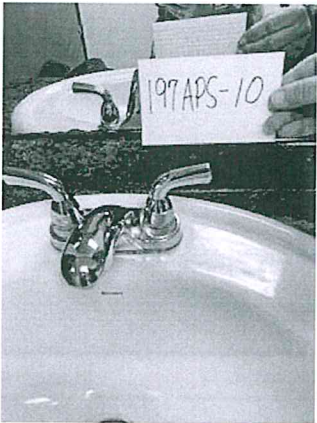
Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-07	Location:	Kitchen	
Photo:		Manufacturer:	Unknown	
		Description:		
		Utility Sink		
		Result:	<1.0	ppb
	Date Sampled:	12/9/2023	By:	KM
Recommended Action:				


ID:	197-APS-08	Location:	Gym	
Photo:		Manufacturer:	Unknown	
		Description:		
		Boy's bathroom left sink		
		Result:	<1.0	ppb
	Date Sampled:	12/9/2023	By:	DH
Recommended Action:				

ID:	197-APS-09	Location:	Gym	
Photo:		Manufacturer:	Unknown	
		Description:		
		Boy's bathroom right sink		
		Result:	<1.0	ppb
	Date Sampled:	12/9/2023	By:	DH
Recommended Action:				


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-10	Location:	Gym		
Photo:		Manufacturer:	Unknown		
		Description:			
		Girl's bathroom left sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	KM


ID:	197-APS-11	Location:	Gym		
Photo:		Manufacturer:	Unknown		
		Description:			
		Girl's bathroom right sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH

ID:	197-APS-12	Location:	Gym		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking fountain bubbler			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-13	Location:	Gym
Photo:		Manufacturer:	Elkay
		Description:	
		Drinking fountain bottle filler	
		Result:	<1.0 ppb
		Date Sampled:	12/9/2023 By: KM
Recommended Action:			


ID:	197-APS-14	Location:	Gym
Photo:		Manufacturer:	Elkay
		Description:	
		Drinking fountain bubbler	
		Result:	<1.0 ppb
		Date Sampled:	12/9/2023 By: DH
Recommended Action:			

ID:	197-APS-15	Location:	Art/Music Room
Photo:		Manufacturer:	Unknown
		Description:	
		Sink	
		Result:	<1.0 ppb
		Date Sampled:	12/9/2023 By: DH
Recommended Action:			


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-16	Location:	Teacher's Lounge	
Photo:		Manufacturer:	Unknown	
		Description:		
		Sink		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: KM


ID:	197-APS-17	Location:	Teacher's Lounge	
Photo:		Manufacturer:	Clover	
		Description:		
		Water dispense		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: DH

ID:	197-APS-18	Location:	Teacher's Lounge	
Photo:		Manufacturer:	Unknown	
		Description:		
		Fridge water dispenser		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: DH


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-19	Location:	Office		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking fountain bubbler			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	KM


ID:	197-APS-20	Location:	Office		
Photo:		Manufacturer:	Unknown		
		Description:			
		Sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH

ID:	197-APS-21	Location:	Office		
Photo:		Manufacturer:	Unknown		
		Description:			
		Sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-22	Location:	Preschool	
Photo:		Manufacturer:	Unknown	
		Description:		
		Sink		
		Result:	<1.0	ppb
Date Sampled:		12/9/2023	By:	KM
Recommended Action:				


ID:	197-APS-23	Location:	Preschool	
Photo:		Manufacturer:	Unknown	
		Description:		
		Sink		
		Result:	<1.0	ppb
Date Sampled:		12/9/2023	By:	DH
Recommended Action:				

ID:	197-APS-24	Location:	Girls Primary Bathroom	
Photo:		Manufacturer:	Unknown	
		Description:		
		Left sink		
		Result:	1.2	ppb
Date Sampled:		12/9/2023	By:	DH
Recommended Action:				


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-25	Location:	Girl's Primary bathroom	
Photo:		Manufacturer:	Unknown	
		Description:		
		Right sink		
		Result:	12.7	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: KM
Replace Fixture/Unit and Resample				


ID:	197-APS-26	Location:	Boy's Primary Bathroom	
Photo:		Manufacturer:	Unknown	
		Description:		
		Left sink		
		Result:	8.5	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: DH
Replace Fixture/Unit and Resample				

ID:	197-APS-27	Location:	Boy's Primary Bathroom	
Photo:		Manufacturer:	Unknown	
		Description:		
		Right sink		
		Result:	11.7	ppb
Recommended Action:		Date Sampled:	12/9/2023	By: DH
Replace Fixture/Unit and Resample				


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-28	Location:	Primary		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking fountain bubbler			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	KM


ID:	197-APS-29	Location:	Primary		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking fountain bottle filler			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH

ID:	197-APS-30	Location:	Kindergarten		
Photo:		Manufacturer:	Unknown		
		Description:			
		Sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	197-APS-31	Location:	Kindergarten		
Photo:		Manufacturer:	Unknown		
		Description:			
		Drinking fountain bubbler			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	KM

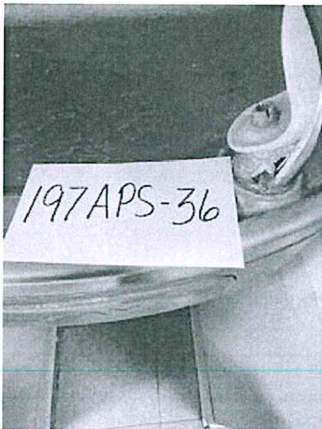
ID:	197-APS-32	Location:	Old Building		
Photo:		Manufacturer:	Unknown		
		Description:			
		Girl's bathroom sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH

ID:	197-APS-33	Location:	Old Building		
Photo:		Manufacturer:	Unknown		
		Description:			
		Girl's Bathroom sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH


Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District


ID:	— 197-APS-34	Location:	Old Building		
Photo:		Manufacturer:	Unknown		
		Description:			
		Boy's Bathroom sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	KM

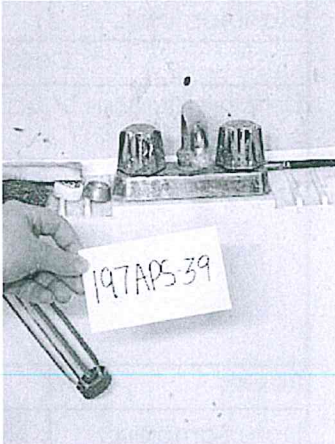
ID:	197-APS-35	Location:	Old Building		
Photo:		Manufacturer:	Unknown		
		Description:			
		Boy's bathroom sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH

ID:	197-APS-36	Location:	Old Building		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking fountain bubbler			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	12/9/2023	By:	DH

Drinking Water Assessment
 Altenburg Public Schools
 Altenburg School District

ID:	197-APS-37	Location:	Old Building	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking fountain bottle filler		
		Result:	<1.0	ppb
		Date Sampled:	12/9/2023	By: KM
Recommended Action:				

ID:	197-APS-38	Location:	Old Building Upstairs	
Photo:		Manufacturer:	Unknown	
		Description:		
		Sink		
		Result:	2	ppb
		Date Sampled:	12/9/2023	By: DH
Recommended Action:				

ID:	197-APS-39	Location:	Old Building Downstairs	
Photo:		Manufacturer:	Unknown	
		Description:		
		SPED room sink		
		Result:	<1.0	ppb
		Date Sampled:	12/9/2023	By: DH
Recommended Action:				

December 21, 2023

Kevin Heriford
Occu-Tec
2604 NE Industrial Drive
Suite 230
North Kansas, MO 64117
TEL: (816) 231-5580
FAX:



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

RE: 923197 APS

WorkOrder: 23120970

Dear Kevin Heriford:

TEKLAB, INC received 39 samples on 12/13/2023 8:55:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,



Patrick Riley
Project Manager
(618)344-1004 ex 44
patrickriley@teklabinc.com

Client: Occu-Tec
Client Project: 923197 APS

Work Order: 23120970
Report Date: 21-Dec-23

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: Occu-Tec

Work Order: 23120970

Client Project: 923197 APS

Report Date: 21-Dec-23

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

Work Order: 23120970

Client Project: 923197 APS

Report Date: 21-Dec-23

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)

Client: Occu-Tec
Client Project: 923197 APS

Work Order: 23120970
Report Date: 21-Dec-23

Cooler Receipt Temp: NA °C

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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

Client: Occu-Tec

Work Order: 23120970

Client Project: 923197 APS

Report Date: 21-Dec-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Occu-Tec

Work Order: 23120970

Client Project: 923197 APS

Report Date: 21-Dec-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23120970-001A	197APS-01	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:37	12/09/2023 9:10
23120970-002A	197APS-02	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:40	12/09/2023 9:11
23120970-003A	197APS-03	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:44	12/09/2023 9:12
23120970-004A	197APS-04	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:48	12/09/2023 9:13
23120970-005A	197APS-05	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:51	12/09/2023 9:14
23120970-006A	197APS-06	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:02	12/09/2023 9:16
23120970-007A	197APS-07	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:17	12/09/2023 9:17
23120970-008A	197APS-08	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:21	12/09/2023 9:18
23120970-009A	197APS-09	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:24	12/09/2023 9:19
23120970-010A	197APS-10	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:28	12/09/2023 9:20
23120970-011A	197APS-11	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:32	12/09/2023 9:21
23120970-012A	197APS-12	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:35	12/09/2023 9:22
23120970-013A	197APS-13	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:39	12/09/2023 9:22
23120970-014A	197APS-14	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:43	12/09/2023 9:22
23120970-015A	197APS-15	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 16:46	12/09/2023 9:23
23120970-016A	197APS-16	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 17:08	12/09/2023 9:24
23120970-017A	197APS-17	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 17:12	12/09/2023 9:25
23120970-018A	197APS-18	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 17:16	12/09/2023 9:26
23120970-019A	197APS-19	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 17:19	12/09/2023 10:45
23120970-020A	197APS-20	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 17:23	12/09/2023 10:45
23120970-021A	197APS-21	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 13:36	12/09/2023 10:45
23120970-022A	197APS-22	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 13:39	12/09/2023 10:46
23120970-023A	197APS-23	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 13:54	12/09/2023 10:46
23120970-024A	197APS-24	NELAP		1.0	1.2	µg/L	1	12/14/2023 13:58	12/09/2023 10:50
23120970-025A	197APS-25	NELAP		1.0	12.7	µg/L	1	12/14/2023 14:01	12/09/2023 10:50
23120970-026A	197APS-26	NELAP		1.0	8.5	µg/L	1	12/14/2023 14:12	12/09/2023 10:51
23120970-027A	197APS-27	NELAP		1.0	11.7	µg/L	1	12/14/2023 14:16	12/09/2023 10:51
23120970-028A	197APS-28	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:20	12/09/2023 10:52
23120970-029A	197APS-29	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:23	12/09/2023 10:52
23120970-030A	197APS-30	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:27	12/09/2023 10:53
23120970-031A	197APS-31	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:42	12/09/2023 10:53
23120970-032A	197APS-32	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:45	12/09/2023 10:55
23120970-033A	197APS-33	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:49	12/09/2023 10:55
23120970-034A	197APS-34	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:53	12/09/2023 10:56
23120970-035A	197APS-35	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 14:56	12/09/2023 10:56
23120970-036A	197APS-36	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:07	12/09/2023 10:57
23120970-037A	197APS-37	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:11	12/09/2023 10:57
23120970-038A	197APS-38	NELAP		1.0	2.0	µg/L	1	12/14/2023 15:15	12/09/2023 10:58
23120970-039A	197APS-39	NELAP		1.0	< 1.0	µg/L	1	12/14/2023 15:29	12/09/2023 10:59



Receiving Check List

<http://www.teklabinc.com/>

Client: Occu-Tec

Work Order: 23120970

Client Project: 923197 APS

Report Date: 21-Dec-23

Carrier: FedEx

Received By: HAW

Completed by: *Mary E. Kemp*
On: 13-Dec-23
Mary E Kemp

Reviewed by: *Ellie Hopkins*
On: 13-Dec-23
Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- | | | | | | |
|---|--|--|--------------------------------------|---------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Temp °C | NA |
| Type of thermal preservation? | None <input checked="" type="checkbox"/> | Ice <input type="checkbox"/> | Blue Ice <input type="checkbox"/> | Dry Ice | <input type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody signed when relinquished and received? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | | | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | NA <input checked="" type="checkbox"/> |
- When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*
- | | | | | |
|---|---|-----------------------------|-------------------|-------------------------------------|
| Water – at least one vial per sample has zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials | <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers | <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA | <input type="checkbox"/> |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> |

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

Samples were checked for turbidity and then preserved with nitric acid (94914) upon arrival in the laboratory. - MaryKemp - 12/13/2023 9:34:03 AM

CHAIN OF CUSTODY

Pg 1 of 4 Workorder # 923197
2312097D

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

Client: OCCU-TEC
 Address: 2604 NE Industrial Dr
 City/State/Zip: North Kansas City, Missouri 64117
 Contact: Kevin Herford Phone: 816-825-0628 Fax:
 Email: kherford@occutec.com

Samples on: ICE BLUE ICE NO ICE _____ °C
 Preserved in: LAB FIELD FOR LAB USE ONLY

LAB NOTES:

Client Comments:
 Pb RL<5.0ppb

PROJECT NAME/NUMBER: 923197
 SAMPLE COLLECTOR'S NAME: Tom Roth

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

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	BILLING INSTRUCTIONS
2312097D-001	197APS-01	12-9-2003 9:10	Aqueous	
002	197APS-02	12-9 9:11	Aqueous	
003	197APS-03	12-9 9:12	Aqueous	
004	197APS-04	12-9 9:13	Aqueous	
005	197APS-05	12-9 9:14	Aqueous	
006	197APS-06	12-9 9:16	Aqueous	
007	197APS-07	12-9 9:17	Aqueous	
008	197APS-08	12-9 9:18	Aqueous	
009	197APS-09	12-9 9:19	Aqueous	
010	197APS-10	12-9 9:20	Aqueous	
011	197APS-11	12-9 9:21	Aqueous	

INDICATE ANALYSIS REQUESTED		Received By		Date/Time
UNP	<input checked="" type="checkbox"/>			
HNO3	<input checked="" type="checkbox"/>			
NaOH	<input checked="" type="checkbox"/>			
H2SO4	<input checked="" type="checkbox"/>			
HCL	<input checked="" type="checkbox"/>			
MeOH	<input checked="" type="checkbox"/>			
NaHSO4	<input checked="" type="checkbox"/>			
TSP	<input checked="" type="checkbox"/>			
Other	<input checked="" type="checkbox"/>			
Pb By EPA 200.8	<input checked="" type="checkbox"/>			
		Received By		Date/Time
		Herold	Fedex	12/13/03 855

*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

ME/K 12/13/03

CHAIN OF CUSTODY

Pg 2 of 4 Workorder # 923197

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

23120970

Client: OCCU-TEC
Address: 2604 NE Industrial Dr
City/State/Zip: North Kansas City, Missouri 64117
Contact: Kevin Heniford Phone: 816-825-0628
Email: kheriford@occutech.com Fax:

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

Client Comments:
Pb RL<5.0ppb

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

PROJECT NAME/NUMBER 923197
SAMPLE COLLECTOR'S NAME Tom Roth

Lab Use Only	RESULTS REQUESTED		BILLING INSTRUCTIONS		Matrix
	Standard	Other	1-2 Day (100% Surcharge)	3 Day (50% Surcharge)	
Sample ID	Date/Time Sampled				Date/Time
9231970-012	12-9-2023 9:23				Aqueous
013	12-9 9:22				Aqueous
014	12-9 9:22				Aqueous
015	12-9 9:23				Aqueous
016	12-9 9:24				Aqueous
017	12-9 9:25				Aqueous
018	12-9 9:26				Aqueous
019	12-9 10:45				Aqueous
020	12-9 10:45				Aqueous
021	12-9 10:45				Aqueous
022	12-9 10:46				Aqueous

# and Type of Containers	INDICATE ANALYSIS REQUESTED	Date/Time
UNP		
HNO3		
NaOH		
H2SO4		
HCL		
MeOH		
NaHSO4		
TSP		
Other		
Pb By EPA 200.8	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	

Relinquished By

Received By
C. Heniford
12/13/23 855

*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

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

23120970

Client: OCCU-TEC
 Address: 2604 NE Industrial Dr
 City/State/Zip: North Kansas City, Missouri 64117
 Contact: Kevin Heriford Phone: 816-825-0628
 Email: kheriford@occutec.com Fax:

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

Client Comments:
Pb RL<5.0ppb

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

PROJECT NAME/NUMBER

923197

SAMPLE COLLECTOR'S NAME

INDICATE ANALYSIS REQUESTED

RESULTS REQUESTED

Standard 1-2 Day (100% Surcharge)
 Other 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
23120970-023	197APS-23	12-9 10:46	Aqueous
024	197APS-24	12-9 10:50	Aqueous
025	197APS-25	12-9 10:50	Aqueous
026	197APS-26	12-9 10:51	Aqueous
027	197APS-27	12-9 10:51	Aqueous
028	197APS-28	12-9 10:52	Aqueous
029	197APS-29	12-9 10:52	Aqueous
030	197APS-30	12-9 10:53	Aqueous
031	197APS-31	12-9 10:53	Aqueous
032	197APS-32	12-9 10:55	Aqueous
033	197APS-33	12-9 10:55	Aqueous

RESULTS REQUESTED		Date/Time	Received By
UNP	<input checked="" type="checkbox"/>		
HNO3	<input checked="" type="checkbox"/>		
NaOH	<input checked="" type="checkbox"/>		
H2SO4	<input checked="" type="checkbox"/>		
HCL	<input checked="" type="checkbox"/>		
MeOH	<input checked="" type="checkbox"/>		
NaHSO4	<input checked="" type="checkbox"/>		
TSP	<input checked="" type="checkbox"/>		
Other	<input checked="" type="checkbox"/>		
Pb By EPA 200.8	<input checked="" type="checkbox"/>		

Relinquished By

Date/Time

12/13/23 0850

*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

23120970

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

Client: OCCU-TEC

Address: 2604 NE Industrial Dr

City/State/Zip: North Kansas City, Missouri 64117

Contact: Kevin Herford

Phone: 816-825-0628

Email: kherford@occutec.com

Fax:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: Yes No

Are these samples known to be hazardous? Yes No

Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: Yes No

PROJECT NAME/NUMBER

923197

SAMPLE COLLECTOR'S NAME

RESULTS REQUESTED

Standard 1-2 Day (100% Surcharge) 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
23120970-034	197APS-34	12-9 10:56	Aqueous
035	197APS-35	12-9 10:56	Aqueous
036	197APS-36	12-9 10:57	Aqueous
037	197APS-37	12-9 10:57	Aqueous
038	197APS-38	12-9 10:58	Aqueous
039	197APS-39	12-9 10:59	Aqueous
	197APS-40		Aqueous
	197APS-41		Aqueous
	197APS-		Aqueous
	197APS-		Aqueous
	197APS-		Aqueous

Relinquished By

Date/Time

and Type of Containers

INDICATE ANALYSIS REQUESTED

UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other

Pb By EPA 200.8

Received By

Date/Time

Kevin Herford 12/13/23 085

*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