

March 19, 2024

Mr. Patrick Roland
Potosi R-III School District
400 N. Mine Street
Potosi, Missouri 63664

RE: Drinking Water Sampling – Potosi Intermediate School
367 Intermediate Dr, Potosi, MO 63664
Project Number: 923182

Mr. Roland

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Potosi Intermediate School in Potosi, Missouri. The sampling was requested and approved by Mr. Patrick Roland of Potosi R-III School District (PSD). OCCU-TEC completed drinking water sampling 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 February 10, 2024, Mrs. Brittany Dickmeyer of OCCU-TEC completed testing of forty-one (41) sources throughout Potosi 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. 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, four (4) of the forty-one (41) 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	Type	Result (ug/L)
182-PIM-27	Kitchen	Handwashing Sink	5.4
182-PIM-35	Kitchen	Kitchen Dish Sprayer	N/A
182-PIM-36	Kitchen	Sink	27
182-PIM-37	Kitchen	Sink	N/A
182-PIM-40	Baseball Concessions	Sink	10.6
182-PIM-41	Baseball Concessions	Sink	23

LIMITATIONS

At the request of PSD, science classroom sinks, and janitorial 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 PSD. 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
Potosi Intermediate School
Potosi School District


ID:	182-PIM-01	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Double drinking fountain bubbler across from room 606			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-02	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Double drinking fountain bottle filler across from room 606			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-03	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Left single drinking fountain bubbler across from room 606			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-04	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right single fountain bubbler across from room 606			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-05	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Left single fountain bubbler near cafeteria			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-06	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right single fountain bubbler near cafeteria			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-07	Location:	Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Left double fountain bubbler near cafeteria		
		Result:	<1.0	ppb
Date Sampled:		2/10/2024	By:	BD
Recommended Action:				


ID:	182-PIM-08	Location:	Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Left double fountain bottle filler near cafeteria		
		Result:	<1.0	ppb
Date Sampled:		2/10/2024	By:	BD
Recommended Action:				

ID:	182-PIM-09	Location:	Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Left single fountain bubbler near Susan's custodial closet		
		Result:	<1.0	ppb
Date Sampled:		2/10/2024	By:	BD
Recommended Action:				


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-10	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right single drinking fountain bubbler near Susan's Custodial closet			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-11	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right double fountain bubbler near Susan's Custodial closet			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-12	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right double fountain bottle filler near Susan's Custodial closet			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-13	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right single drinking fountain bubbler near room 507			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-14	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Left single drinking fountain bubbler near room 507			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-15	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Left double fountain bubbler next to room 507			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-16	Location:	Hallway
Photo:		Manufacturer:	Elkay
		Description:	
		Left double fountain bottle filler next to room 507	
		Result:	<1.0
Recommended Action:		Date Sampled:	2/10/2024
		By:	BD


ID:	182-PIM-17	Location:	Hallway
Photo:		Manufacturer:	Elkay
		Description:	
		left drinking fountain bubbler next to Library	
		Result:	<1.0
Recommended Action:		Date Sampled:	2/10/2024
		By:	BD

ID:	182-PIM-18	Location:	Hallway
Photo:		Manufacturer:	Elkay
		Description:	
		Right drinking fountain bubbler next to Library	
		Result:	<1.0
Recommended Action:		Date Sampled:	2/10/2024
		By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-19	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right drinking fountain bottle filler next to Library			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-20	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Left single drinking fountain bubbler next to room 407			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-21	Location:	hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right single drinking fountain bubbler next to room 407			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-22	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right drinking fountain bubbler next to room 407			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-23	Location:	Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right double fountain bottle filler next to room 407			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-24	Location:	Teacher's Workroom		
Photo:		Manufacturer:	Unknown		
		Description:			
		Sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-25	Location:	Nurse's office		
Photo:		Manufacturer:	Unknown		
		Description:			
		Sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-26	Location:	Office		
Photo:		Manufacturer:	Unknown		
		Description:			
		Teacher workroom sink			
		Result:	<1.0	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-27	Location:	Kitchen		
Photo:		Manufacturer:	Unknown		
		Description:			
		Handwashing station on West wall			
		Result:	5.4	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD
		Replace Fixture/Unit and Resample			


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-28	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		South wall right sink			
		Result:	1.7	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


ID:	182-PIM-29	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		left sink			
		Result:	1.3	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD

ID:	182-PIM-30	Location:	Kitchen		
Photo:		Manufacturer:	Unknown		
		Description:			
		Pot Filler			
		Result:	3	ppb	
Recommended Action:		Date Sampled:	2/10/2024	By:	BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-31	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		North wall right sink		
		Result:	1.1	ppb
Recommended Action:		Date Sampled:	2/10/2024	By: BD


ID:	182-PIM-32	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Middle sink		
		Result:	1.3	ppb
Recommended Action:		Date Sampled:	2/10/2024	By: BD

ID:	182-PIM-33	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		left Kitchen dish sprayer		
		Result:	2.7	ppb
Recommended Action:		Date Sampled:	2/10/2024	By: BD


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-34	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		North side of kitchen sink		
		Result:	<1.0	ppb
Recommended Action:		Date Sampled:	2/10/2024	By: BD


ID:	182-PIM-35	Location:	Kitchen	
Photo:		Manufacturer:	Unknown	
		Description:		
		Kitchen dish sprayer in left room of kitchen.		
		Not working at time of test		
Recommended Action:		Result:	N/A	ppb
		Date Sampled:	2/10/2024	By: BD

ID:	182-PIM-36	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Sink in left room of kitchen		
		Result:	27	ppb
Recommended Action:		Date Sampled:	2/10/2024	By: BD
Replace Fixture/Unit and Resample				


Drinking Water Assessment
Potosi Intermediate School
Potosi School District


ID:	182-PIM-37	Location:	Kitchen
Photo:		Manufacturer:	T&S Brass
		Description:	
		West sink in front of kitchen.	
		Not working at time of test.	
Result:		N/A	ppb
Date Sampled:		2/10/2024	By: BD
Recommended Action:			

ID:	182-PIM-38	Location:	Kitchen
Photo:		Manufacturer:	T&S Brass
		Description:	
		East sink in front room of kitchen.	
		Result:	
Date Sampled:		2/10/2024	By: BD
Recommended Action:			

ID:	182-PIM-39	Location:	Kitchen
Photo:		Manufacturer:	Ice-o-matic
		Description:	
		Ice machine	
		Result:	
Date Sampled:		2/10/2024	By: BD
Recommended Action:			

Drinking Water Assessment
Potosi Intermediate School
Potosi School District

ID:	182-PIM-40	Location:	Baseball Concesions	
Photo:		Manufacturer:	Delta	
		Description:		
		Small sink		
		Result:	10.6	ppb
Recommended Action:		Replace Fixture/Unit and Resample		
		Date Sampled:	2/10/2024	By: BD

ID:	182-PIM-41	Location:	Baseball Concesions	
Photo:		Manufacturer:	Standard American	
		Description:		
		Big sink		
		Result:	23	ppb
Recommended Action:		Replace Fixture/Unit and Resample		
		Date Sampled:	2/10/2024	By: BD

March 11, 2024

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



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

RE: 923182 PIM

WorkOrder: 24020987

Dear Justin Arnold:

TEKLAB, INC received 40 samples on 2/15/2024 11:05:00 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



Report Contents

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

Client: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-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: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-24

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Client: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-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/>

Client: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

Collinsville Air

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

Springfield

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Springfield, IL 62711-9415
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Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
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Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

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

Client: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-24

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



Laboratory Results

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

Client: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24020987-001A	182-PIM-01	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:11	02/10/2024 12:08
24020987-002A	182-PIM-02	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:26	02/10/2024 12:08
24020987-003A	182-PIM-03	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:29	02/10/2024 12:09
24020987-004A	182-PIM-04	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:33	02/10/2024 12:09
24020987-005A	182-PIM-05	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:37	02/10/2024 12:13
24020987-006A	182-PIM-06	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:48	02/10/2024 12:13
24020987-007A	182-PIM-07	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:51	02/10/2024 12:14
24020987-008A	182-PIM-08	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:55	02/10/2024 12:14
24020987-009A	182-PIM-09	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 21:59	02/10/2024 12:18
24020987-010A	182-PIM-10	NELAP		1.0	< 1.0	µg/L	1	03/06/2024 22:13	02/10/2024 12:18
24020987-011A	182-PIM-11	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 11:19	02/10/2024 12:19
24020987-012A	182-PIM-12	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 11:23	02/10/2024 12:19
24020987-013A	182-PIM-13	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 11:27	02/10/2024 12:25
24020987-014A	182-PIM-14	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 11:31	02/10/2024 12:25
24020987-015A	182-PIM-15	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:29	02/10/2024 12:26
24020987-016A	182-PIM-16	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:00	02/10/2024 12:26
24020987-017A	182-PIM-17	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:04	02/10/2024 12:32
24020987-018A	182-PIM-18	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:08	02/10/2024 12:32
24020987-019A	182-PIM-19	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:13	02/10/2024 12:32
24020987-020A	182-PIM-20	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:17	02/10/2024 12:37
24020987-021A	182-PIM-21	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:21	02/10/2024 12:37
24020987-022A	182-PIM-22	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:25	02/10/2024 12:38
24020987-023A	182-PIM-23	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:54	02/10/2024 12:38
24020987-024A	182-PIM-24	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 12:58	02/10/2024 12:41
24020987-025A	182-PIM-25	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 13:22	02/10/2024 12:45
24020987-026A	182-PIM-26	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 13:02	02/10/2024 12:47
24020987-027A	182-PIM-27	NELAP		1.0	5.4	µg/L	1	03/08/2024 13:06	02/10/2024 12:52
24020987-028A	182-PIM-28	NELAP		1.0	1.7	µg/L	1	03/08/2024 13:10	02/10/2024 12:54
24020987-029A	182-PIM-29	NELAP		1.0	1.3	µg/L	1	03/08/2024 13:14	02/10/2024 12:56
24020987-030A	182-PIM-30	NELAP		1.0	3.0	µg/L	1	03/08/2024 13:18	02/10/2024 12:58
24020987-031A	182-PIM-31	NELAP		1.0	1.1	µg/L	1	03/08/2024 2:18	02/10/2024 13:00
24020987-032A	182-PIM-32	NELAP		1.0	1.3	µg/L	1	03/08/2024 2:21	02/10/2024 13:00
24020987-033A	182-PIM-33	NELAP		1.0	2.7	µg/L	1	03/08/2024 2:25	02/10/2024 13:02
24020987-034A	182-PIM-34	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 2:29	02/10/2024 13:05
24020987-035A	182-PIM-36	NELAP		1.0	27.0	µg/L	1	03/08/2024 2:32	02/10/2024 13:08
24020987-036A	182-PIM-37	NELAP		1.0	1.1	µg/L	1	03/08/2024 2:43	02/10/2024 13:11
24020987-037A	182-PIM-38	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 2:47	02/10/2024 13:13
24020987-038A	182-PIM-39	NELAP		1.0	< 1.0	µg/L	1	03/08/2024 3:02	02/10/2024 13:15
24020987-039A	182-PIM-40	NELAP		1.0	10.6	µg/L	5	03/07/2024 4:52	02/10/2024 13:24
24020987-040A	182-PIM-41	NELAP		1.0	23.0	µg/L	5	03/07/2024 11:05	02/10/2024 13:26



Receiving Check List

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

Client: Occu-Tec

Work Order: 24020987

Client Project: 923182 PIM

Report Date: 11-Mar-24

Carrier: Crossroads

Received By: AMD

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

16-Feb-24

Amber Dilallo

On:

16-Feb-24

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 N/A |
| 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 checked="" type="checkbox"/> | No <input 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"/> | NA <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input 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.

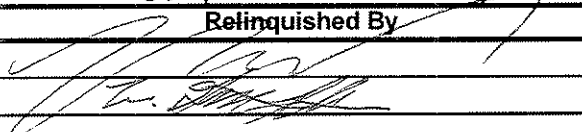
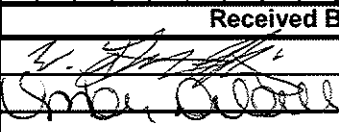
- | | | | |
|---|---|-----------------------------|---|
| Water – at least one vial per sample has zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | 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 upon arrival in the laboratory. - amberdilallo - 2/16/2024 10:50:36 AM

CHAIN OF CUSTODY

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

Client: <u>OCCU-TEC</u> Address: <u>2604 NE Industrial Dr</u> City/State/Zip: <u>North Kansas City, Missouri 64117</u> Contact: <u>Justin Arnold</u> Phone: <u>816-810-3276</u> Email: <u>jarnold@occutec.com</u> Fax: _____				Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY LAB NOTES: _____							
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Client Comments: Pb RL<5.0ppb							
PROJECT NAME/NUMBER 923182		SAMPLE COLLECTOR'S NAME Brittany Dickmeyer		# and Type of Containers		INDICATE ANALYSIS REQUESTED					
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)			BILLING INSTRUCTIONS			UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other		Pb By EPA 200.8			
Lab Use Only	Sample ID	Date/Time Sampled	Matrix								
012	182-PIM-12	02/10/2024 1219	Aqueous		X		✓				
013	182-PIM-13	02/10/2024 1225	Aqueous		X		✓				
014	182-PIM-14	02/10/2024 1225	Aqueous		X		✓				
015	182-PIM-15	02/10/2024 1226	Aqueous		X		✓				
016	182-PIM-16	02/10/2024 1226	Aqueous		X		✓				
017	182-PIM-17	02/10/2024 1232	Aqueous		X		✓				
018	182-PIM-18	02/10/2024 1232	Aqueous		X		✓				
019	182-PIM-19	02/10/2024 1232	Aqueous		X		✓				
020	182-PIM-20	02/10/2024 1237	Aqueous		X		✓				
021	182-PIM-21	02/10/2024 1237	Aqueous		X		✓				
022	182-PIM-22	02/10/2024 12338	Aqueous		X		✓				
Relinquished By 		Date/Time 2/12/24 7600 2/14/24 1600		Received By 		Date/Time 2/13/24 1350 2/15/24 1105		XX			

*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

Client: <u>OCCU-TEC</u> Address: <u>2604 NE Industrial Dr</u> City/State/Zip: <u>North Kansas City, Missouri 64117</u> Contact: <u>Justin Arnold</u> Phone: <u>816-810-3276</u> Email: <u>jarnold@occutec.com</u> Fax: _____				Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY LAB NOTES: _____															
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Client Comments: Pb RL<5.0ppb															
PROJECT NAME/NUMBER 923182		SAMPLE COLLECTOR'S NAME Brittany Dickmeyer		# and Type of Containers UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other Pb By EPA 200.8		INDICATE ANALYSIS REQUESTED													
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)			BILLING INSTRUCTIONS																
Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Pb By EPA 200.8						
	<u>023</u> 182-PIM-23	02/10/2024 1238	Aqueous	X										✓					
	<u>024</u> 182-PIM-24	02/10/2024 1241	Aqueous	X										✓					
	<u>025</u> 182-PIM-25	02/10/2024 1245	Aqueous	X										✓					
	<u>026</u> 182-PIM-26	02/10/2024 1247	Aqueous	X										✓					
	<u>027</u> 182-PIM-27	02/10/2024 1252	Aqueous	X										✓					
	<u>028</u> 182-PIM-28	02/10/2024 1254	Aqueous	X										✓					
	<u>029</u> 182-PIM-29	02/10/2024 1256	Aqueous	X										✓					
	<u>030</u> 182-PIM-30	02/10/2024 1258	Aqueous	X										✓					
	<u>031</u> 182-PIM-31	02/10/2024 1300	Aqueous	X										✓					
	<u>032</u> 182-PIM-32	02/10/2024 1300	Aqueous	X										✓					
	<u>033</u> 182-PIM-33	02/10/2024 1302	Aqueous	X										✓					
Relinquished By		Date/Time		Received By				Date/Time											
		2/12/24 1600						2/13/24 1350											
		2/14/24 1600		Smol, J. C. XX				2/15/24 1105											

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

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

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

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

Client Comments:
 Pb RL<5.0ppb

PROJECT NAME/NUMBER: 923182
 SAMPLE COLLECTOR'S NAME: Brittany Dickmeyer

and Type of Containers INDICATE ANALYSIS REQUESTED

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

BILLING INSTRUCTIONS

UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Pb By EPA 200.8											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											
X									✓											

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
	182-PIM-34	02/10/2024 1305	Aqueous
	182-PIM-36	02/10/2024 1308	Aqueous
	182-PIM-37	02/10/2024 1311	Aqueous
	182-PIM-38	02/10/2024 1313	Aqueous
	182-PIM-39	02/10/2024 1315	Aqueous
	182-PIM-40	02/10/2024 1324	Aqueous
	182-PIM-41	02/10/2024 1326	Aqueous
			Aqueous
			Aqueous
			Aqueous
			Aqueous

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	2/12/24 1600	<i>[Signature]</i>	2/13/24 1350
<i>[Signature]</i>	2/12/24 1600	Wanda Dillal	2/15/24 1105

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