REPORT OF DRINKING WATER SAMPLING FOR LEAD CONTENT AT:

DUELLO ELEMENTARY SCHOOL
1814 DUELLO ROAD
LAKE SAINT LOUIS, MISSOURI 63367

PREPARED FOR:

MRS. ANGELA HAWKINS
DIRECTOR OF FACILITIES/SAFETY COORDINATOR
WENTZVILLE R-IV SCHOOL DISTRICT
101 SUPPORT SERVICE DRIVE
WENTZVILLE, MISSOURI 63385

PREPARED BY:

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

OCTOBER 2023

DOCUMENT TO BE RETAINED INDEFINITELY

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Drinking Water Sampling for Lead
Wentzville R-IV School District
Duello Elementary School
1814 Duello Road
Lake Saint Louis, Missouri 63367

EXECUTIVE SUMMARY

6 Meadow Heights Professional Park Drive
Collinsville, IL 62234 | US

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November 3, 2023

Mrs. Angela Hawkins
Director of Maintenance
Wentzville R-IV School District
101 Support Service Drive
O'Fallon, Missouri 63366

Subject: Results of Drinking Water Testing for Lead Content

Site(s): Duello Elementary School
1814 Duello Rd
Wentzville, Missouri 63385

Dear Mrs. Hawkins,

On the morning of October 20th , 2023, J.S. Held, LLC performed lead testing of multiple water sources at the Duello Elementary School located at 1814 Duello Rd in Lake Saint Louis, Missouri. The sampling was performed by trained and licensed personnel in accordance with USEPA, HUD and State of Missouri Regulations and Guidelines. Work was performed in accordance with the newly amended Missouri Senate Bill 681.

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

All samples were collected on a "first draw" and "second draw" basis. "First draw" is achieved by allowing the water system to rest for at least eight hours prior to sampling in order to collect any existing debris or settlement within the sample. The intent of this sampling is to replicate "worst case scenario" conditions. . JSH proposes to collect a second sample from each source as a "follow-up sample" per the Missouri Senate Bill 681 requirements. As such, J.S. Held inspectors met at the school at 4:45 a.m. to collect water samples before the systems were used by staff or students. The State of Missouri and other regulatory agencies recommend that water sources run for at least thirty seconds and as long as two minutes prior to use to avoid settling within the water system.

Drinking water samples were collected from fifty (50) different locations throughout Duello Elementary School during the sampling event. The water samples were collected from drinking fountains and sinks potentially utilized for cooking or drinking activities at the campus. After sample collection, samples were immediately iced down and delivered to Teklab, Inc. located in Collinsville, Illinois following strict chain of custody procedures. Teklab is a NELAP accredited and State of Illinois licensed laboratory specializing in drinking water analysis. Detailed sampling locations and sample results are located in Appendix A of this report.

The analytical sensitivity utilized for the analysis of the water samples submitted identified a reporting limit (RL) of 1.0 micrograms per liter (µg/L). The analytical sensitivity utilized for the analysis of the water samples submitted identified a reporting limit (RL) of 1.0 microgram of lead per liter (µg/L). This reporting value equates to 1.0 parts per billion (ppb) of lead. The USEPA action level for lead in drinking water is 15.0 ppb for PSW. The USEPA document titled "Lead in Drinking Water at Schools and Child Care Facilities" last updated November 9, 2015 identifies an action level for drinking water collected from a plumbing fixture as 20.0 ppb. **Ninety-seven (97) samples collected from the selected locations at the Duello Elementary School reported sample results which were less than the action level.** This information can be found under the National Primary Drinking Water Regulations provided by the EPA, CFR 2010 Title 40. (See Appendix A and B for Sample Results) The Missouri Senate Bill 1075 require potable plumbing fixtures to be less than 5.0 ppb, the levels area above 5 ppb, then action shall be necessary to filter the water from the fixture or clean/repair/replace the fixture and retest until the levels are reported below 5 ppb. **Six (6) samples collected from the selected locations at the Duello Elementary School reported sample results which are above 5 ppb** (See Appendix A and B for Sample Results)

The following results are greater than the 5 ppb requirements under Senate Bill 681.

Sample ID 01 Kitchen- Pot Filler– Sink	**(5.1 ppb)**
Sample ID 02A Kitchen- 2 Bay– Sink	**(5.1 ppb)**
Sample ID 05A Kitchen- 3 Bay (Dish Sprayer)– Sink	**(5.0 ppb)**
Sample ID 06A Kitchen- Dishwashing Sprayer– Sink	**(28.2 ppb)**
Sample ID 17A Near Room A1 (Left Center)– Fountain	**(7.6 ppb)**
Sample ID 26A Library Workroom– Sink	**(7.2 ppb)**

At this time all water sources testing at 5 ppb or above should be removed from service until filtration can be added or these sources are repaired/replaced and retested reporting under 5 ppb. These sources are subject to additional maintenance activities and response actions prior to use. Before being put back in service. In addition, all sources will be subject to an ongoing maintenance program and re-testing at appropriate intervals. **The district will be required to provide notification to parents and staff within 7 days of**

receiving these sample results and results shall be posted on the district website within 2 weeks. Any samples reported over 5 ppb should be re-sampled on an annual basis at a minimum.

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

J.S. Held is pleased to provide this information to Wentzville R-IV School District and we appreciate the opportunity to provide quality environmental consulting services. Please call us at (618) 343-3590 if you have any questions or to arrange a meeting to discuss.

Sincerely,
J.S. Held, LLC

Jim Yasitis

Jim Yasitis
Vice President of Environmental Health & Safety

APPENDIX A
SAMPLE LOCATIONS & RESULTS

TABLE 1

Drinking Water Sampling for Lead Content
Wentzville R-IV School District
Duello Elementary School
Sampled: October 20, 2023

Sample ID	Location	Water Source	Results (ppb)
01A	Kitchen- Pot Filler	Sink	5.1
01B	Kitchen- Pot Filler	Sink	<1.0
02A	Kitchen- 2 Bay	Sink	5.1
02B	Kitchen- 2 Bay	Sink	<1.0
03A	Kitchen- 3 Bay (Left)	Sink	1.2
03B	Kitchen- 3 Bay (Left)	Sink	<1.0
04A	Kitchen- 3 Bay (Right)	Sink	1.5
04B	Kitchen- 3 Bay (Right)	Sink	<1.0
05A	Kitchen- 3 Bay (Dish Sprayer)	Sink	5.0
05B	Kitchen- 3 Bay (Dish Sprayer)	Sink	<1.0
06A	Kitchen- Dishwashing Sprayer	Sink	28.2
06B	Kitchen- Dishwashing Sprayer	Sink	1.2
07	Kitchen- Ice Machine	Ice Machine	<1.0
08A	Kitchen- Single Bay	Sink	<1.0
08B	Kitchen- Single Bay	Sink	<1.0
09A	Near Room C3 (Left)	Fountain	<1.0
09B	Near Room C3 (Left)	Fountain	<1.0
10A	Near Room C3 (Left Center)	Fountain	<1.0
10B	Near Room C3 (Left Center)	Fountain	<1.0
11A	Near Room C3 (Right Center)	Fountain	<1.0
11B	Near Room C3 (Right Center)	Fountain	<1.0
12A	Near Room C3 (Right)	Fountain	<1.0
12B	Near Room C3 (Right)	Fountain	<1.0
13A	Near Room C24 (Left)	Fountain	<1.0
13B	Near Room C24 (Left)	Fountain	<1.0
14A	Near Room C24 (Left Center)	Fountain	<1.0
14B	Near Room C24 (Left Center)	Fountain	<1.0
15A	Near Room C24 (Right)	Fountain	<1.0
15B	Near Room C24 (Right)	Fountain	<1.0
16A	Near Room A1 (Left)	Fountain	<1.0
16B	Near Room A1 (Left)	Fountain	<1.0
17A	Near Room A1 (Left Center)	Fountain	7.6
17B	Near Room A1 (Left Center)	Fountain	1.9
18A	Near Room A1 (Right Center)	Fountain	1.2
18B	Near Room A1 (Right Center)	Fountain	<1.0

Sample ID	Location	Water Source	Results (ppb)
19A	Near Room A1 (Right)	Fountain	<1.0
19B	Near Room A1 (Right)	Fountain	<1.0
20A	Room A5- Teacher's Lounge	Sink	<1.0
20B	Room A5- Teacher's Lounge	Sink	<1.0
21	Room A5- Teacher's Lounge	Ice Machine	<1.0
22A	Room A6- Nurse's Office	Sink	<1.0
22B	Room A6- Nurse's Office	Sink	<1.0
23A	Near Room E1 (Left)	Fountain	<1.0
23B	Near Room E1 (Left)	Fountain	<1.0
24A	Near Room E1 (Right Center)	Fountain	<1.0
24B	Near Room E1 (Right Center)	Fountain	<1.0
25A	Near Room E1 (Right)	Fountain	<1.0
25B	Near Room E1 (Right)	Fountain	<1.0
26A	Library Workroom D2B	Sink	7.2
26B	Library Workroom D2B	Sink	<1.0
27A	Near Room D2 (Left)	Fountain	<1.0
27B	Near Room D2 (Left)	Fountain	<1.0
28A	Near Room D2 (Left Center)	Fountain	<1.0
28B	Near Room D2 (Left Center)	Fountain	<1.0
29A	Near Room D2 (Right Center)	Fountain	<1.0
29B	Near Room D2 (Right Center)	Fountain	<1.0
30A	Near Room D2 (Right)	Fountain	<1.0
30B	Near Room D2 (Right)	Fountain	<1.0
31A	Near Room F2 (Left)	Fountain	<1.0
31B	Near Room F2 (Left)	Fountain	<1.0
32A	Near Room F2 (Left Center)	Fountain	<1.0
32B	Near Room F2 (Left Center)	Fountain	<1.0
33A	Near Room F2 (Right Center)	Fountain	<1.0
33B	Near Room F2 (Right Center)	Fountain	<1.0
34A	Near Room F2 (Right)	Fountain	<1.0
34B	Near Room F2 (Right)	Fountain	<1.0
35A	Room F14	Sink	<1.0
35B	Room F14	Sink	<1.0
36A	Room F16	Sink	<1.0
36B	Room F16	Sink	<1.0
37A	Near Room F14 (Left)	Fountain	<1.0
37B	Near Room F14 (Left)	Fountain	<1.0
38A	Near Room F14 (Right)	Fountain	<1.0
38B	Near Room F14 (Right)	Fountain	<1.0
39A	Room F18	Sink	<1.0
39B	Room F18	Sink	<1.0
40A	Room F20	Sink	1.8
40B	Room F20	Sink	<1.0
41A	Room F19	Sink	<1.0
41B	Room F19	Sink	<1.0

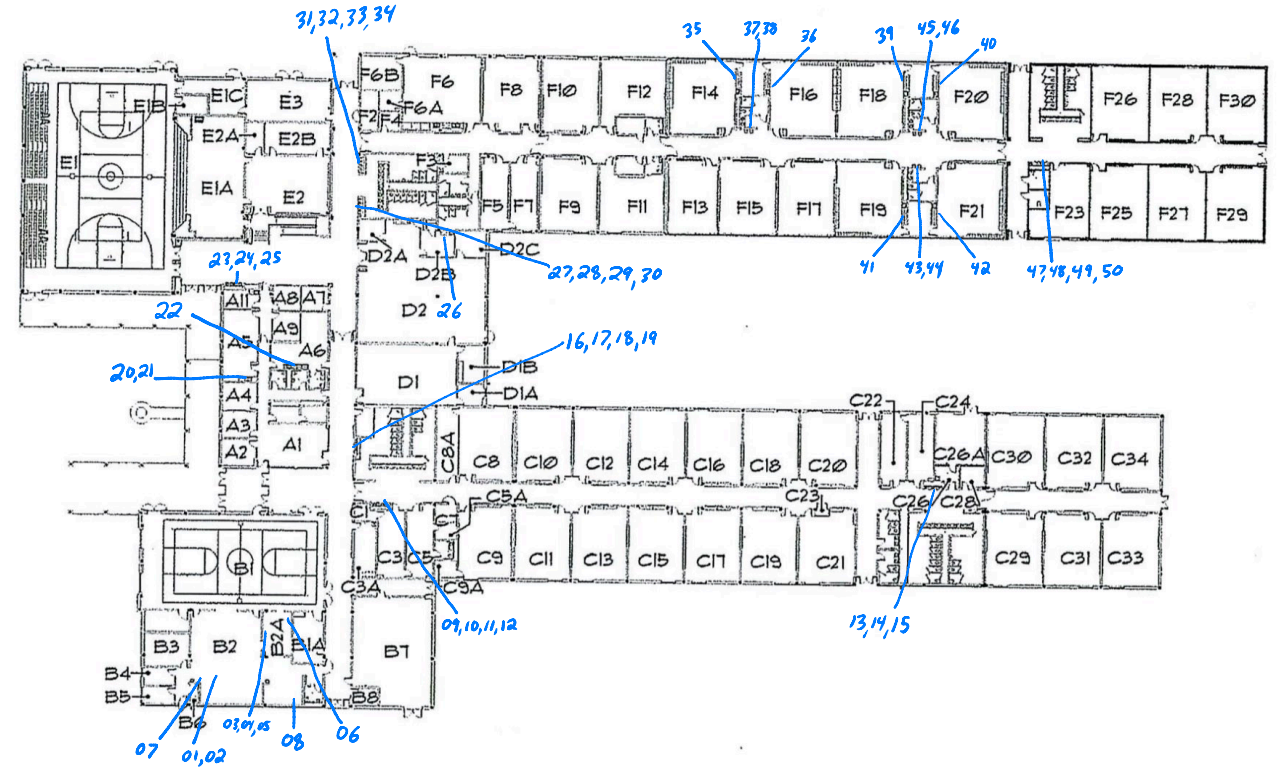
Sample ID	Location	Water Source	Results (ppb)
42A	Room F21	Sink	<1.0
42B	Room F21	Sink	<1.0
43A	Near Room F21 (Left)	Fountain	<1.0
43B	Near Room F21 (Left)	Fountain	<1.0
44A	Near Room F21 (Right)	Fountain	<1.0
44B	Near Room F21 (Right)	Fountain	<1.0
45A	Near Room F18 (Left)	Fountain	<1.0
45B	Near Room F18 (Left)	Fountain	<1.0
46A	Near Room F18 (Right)	Fountain	<1.0
46B	Near Room F18 (Right)	Fountain	<1.0
47A	Near Room F23A (Left)	Fountain	<1.0
47B	Near Room F23A (Left)	Fountain	<1.0
48A	Near Room F23A (Left Center)	Fountain	<1.0
48B	Near Room F23A (Left Center)	Fountain	<1.0
49A	Near Room F23A (Right Center)	Fountain	<1.0
49B	Near Room F23A (Right Center)	Fountain	<1.0
50A	Near Room F23A (Right)	Fountain	<1.0
50B	Near Room F23A (Right)	Fountain	<1.0

Water sources in excess of 20 ppb. Recommendation is to remove from service immediately. Do not return to service until re-testing confirms mitigation was effective.

Water source is 5-19.9 ppb, but still displays evidence of lead. Recommendation is to re-test source on an annual basis at a minimum.

Sample Legend

"A" = First Draw
"B" = Second Draw



DUELLO ELEMENTARY SCHOOL

1814 Duello Road – Lake St Louis 63367

WITH 2016 ADDITION

APPENDIX B
LABORATORY ANALYSIS

November 03, 2023

Jim Yasitis
Environmental Consultants, LLC
#6 Meadow Heights Professional Park
Collinsville, IL 62234
TEL: (618) 343-3590
FAX: (618) 343-3597

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

RE: Wentzville SD Water Sampling 231000104-Duello **WorkOrder:** 23101664

Dear Jim Yasitis:

TEKLAB, INC received 60 samples on 10/20/2023 8:45:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

Marvin L. Darling

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

Client: Environmental Consultants, LLC
Work Order: 23101664
Client Project: Wentzville SD Water Sampling 231000104-Duello
Report Date: 03-Nov-23

This reporting package includes the following:

Client: Environmental Consultants, LLC **Work Order:** 23101664

Client Project: Wentzville SD Water Sampling 231000104-Duello **Report Date:** 03-Nov-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: Environmental Consultants, LLC **Work Order:** 23101664

Client Project: Wentzville SD Water Sampling 231000104-Duello **Report Date:** 03-Nov-23

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Environmental Consultants, LLC
Work Order: 23101664
Client Project: Wentzville SD Water Sampling 231000104-Duello
Report Date: 03-Nov-23

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Environmental Consultants, LLC **Work Order:** 23101664

Client Project: Wentzville SD Water Sampling 231000104-Duello **Report Date:** 03-Nov-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: Environmental Consultants, LLC
Work Order: 23101664
Client Project: Wentzville SD Water Sampling 231000104-Duello
Report Date: 03-Nov-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									
23101664-001A	01A	NELAP		1.0	**5.1**	µg/L	1	11/01/2023 22:40	10/20/2023 3:00
23101664-002A	01B	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 22:44	10/20/2023 3:00
23101664-003A	02A	NELAP		1.0	**5.1**	µg/L	1	11/01/2023 22:48	10/20/2023 3:00
23101664-004A	02B	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 22:52	10/20/2023 3:00
23101664-005A	03A	NELAP		1.0	**1.2**	µg/L	1	11/01/2023 22:56	10/20/2023 3:00
23101664-006A	03B	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 23:08	10/20/2023 3:00
23101664-007A	04A	NELAP		1.0	**1.5**	µg/L	1	11/01/2023 23:00	10/20/2023 3:00
23101664-008A	04B	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 23:04	10/20/2023 3:00
23101664-009A	05A	NELAP		1.0	**5.0**	µg/L	1	11/01/2023 23:33	10/20/2023 3:00
23101664-010A	05B	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 23:37	10/20/2023 3:00
23101664-011A	06A	NELAP		1.0	**28.2**	µg/L	1	11/01/2023 23:41	10/20/2023 3:00
23101664-012A	06B	NELAP		1.0	**1.2**	µg/L	1	11/01/2023 23:45	10/20/2023 3:00
23101664-013A	07	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 23:49	10/20/2023 3:00
23101664-014A	08A	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 23:53	10/20/2023 3:00
23101664-015A	08B	NELAP		1.0	**< 1.0**	µg/L	1	11/01/2023 23:57	10/20/2023 3:00
23101664-016A	09A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:01	10/20/2023 3:00
23101664-017A	09B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:25	10/20/2023 3:00
23101664-018A	10A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:29	10/20/2023 3:00
23101664-019A	10B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:33	10/20/2023 3:00
23101664-020A	11A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:37	10/20/2023 3:00
23101664-021A	11B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:41	10/20/2023 3:00
23101664-022A	12A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:45	10/20/2023 3:00
23101664-023A	12B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:49	10/20/2023 3:00
23101664-024A	13A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:17	10/20/2023 3:00
23101664-025A	13B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:21	10/20/2023 3:00
23101664-026A	14A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 0:53	10/20/2023 3:00
23101664-027A	14B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:25	10/20/2023 3:00
23101664-028A	15A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:29	10/20/2023 3:00
23101664-029A	15B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:33	10/20/2023 3:00
23101664-030A	16A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:37	10/20/2023 3:00
23101664-031A	16B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:41	10/20/2023 3:00
23101664-032A	17A	NELAP		1.0	**7.6**	µg/L	5	11/01/2023 8:04	10/20/2023 3:00
23101664-033A	17B	NELAP		1.0	**1.9**	µg/L	1	11/02/2023 1:45	10/20/2023 3:00
23101664-034A	18A	NELAP		1.0	**1.2**	µg/L	1	11/02/2023 1:49	10/20/2023 3:00
23101664-035A	18B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 1:53	10/20/2023 3:00
23101664-036A	19A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 2:38	10/20/2023 3:00
23101664-037A	19B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 2:10	10/20/2023 3:00
23101664-038A	20A	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 2:14	10/20/2023 3:00
23101664-039A	20B	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 2:18	10/20/2023 3:00
23101664-040A	21	NELAP		1.0	**< 1.0**	µg/L	1	11/02/2023 2:22	10/20/2023 3:00
23101664-041A	22A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 17:52	10/20/2023 3:00
23101664-042A	22B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 17:56	10/20/2023 3:00
23101664-043A	23A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:57	10/20/2023 3:00
23101664-044A	23B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:27	10/20/2023 3:00
23101664-045A	24A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:31	10/20/2023 3:00
23101664-046A	24B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:35	10/20/2023 3:00
23101664-047A	25A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:40	10/20/2023 3:00
23101664-048A	25B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:44	10/20/2023 3:00

Client: Environmental Consultants, LLC
Work Order: 23101664
Client Project: Wentzville SD Water Sampling 231000104-Duello
Report Date: 03-Nov-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									
23101664-049A	26A	NELAP		1.0	**7.2**	µg/L	1	10/30/2023 18:48	10/20/2023 3:00
23101664-050A	26B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 18:52	10/20/2023 3:00
23101664-051A	27A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 19:23	10/20/2023 3:00
23101664-052A	27B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 19:27	10/20/2023 3:00
23101664-053A	28A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 19:31	10/20/2023 3:00
23101664-054A	28B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 19:36	10/20/2023 3:00
23101664-055A	29A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 16:35	10/20/2023 3:00
23101664-056A	29B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 16:39	10/20/2023 3:00
23101664-057A	30A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 16:43	10/20/2023 3:00
23101664-058A	30B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 16:47	10/20/2023 3:00
23101664-059A	31A	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 16:52	10/20/2023 3:00
23101664-060A	31B	NELAP		1.0	**< 1.0**	µg/L	1	10/30/2023 16:56	10/20/2023 3:00

Receiving Check List

http://www.teklabinc.com/

Client: Environmental Consultants, LLC
Work Order: 23101664
Client Project: Wentzville SD Water Sampling 231000104-Duello
Report Date: 03-Nov-23

Carrier: Devon Rathbun
Received By: HAW

Completed by: Amber Dilallo
On: 24-Oct-23

Reviewed by: Ellie Hopkins
On: 24-Oct-23

Pages to follow: Chain of custody 6 Extra pages included 0

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

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

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

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 10/24/2023 8:22:43 AM

CHAIN OF CUSTODY

pg. 1 of 10 Work Order # 23101064

TEKLAB, INC.

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

Client: J.S. Held

Address: 6 Meadow Heights Prof Park

City / State / Zip: Collinsville, IL 62234

Contact: Jim Yasitis Phone: 618-343-3590

E-Mail: james.yasitis@jsheld.com Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☒ No Ice N/A °C

Preserved in: ☒ Lab ☐ Field FOR LAB USE ONLY

Lab Notes:

Comments:
Dueno Elementary School

Please report in ppb.

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104

Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (DW)
23101064-01	01A	10.20.23 3:00	X									X				X
-02	01B		X									X				X
-03	02A		X									X				X
-04	02B		X									X				X
-05	03A		X									X				X
-06	03B		X									X				X
-07	04A		X									X				X
-08	04B		X									X				X
-09	05A		X									X				X
-10	05B		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.20.23	[signature]	10/20/23 0845

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client

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CHAIN OF CUSTODY

pg. 2 of 10 Work Order # 2301064

TEKLAB, INC.

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

Client: J.S. Held

Address: 6 Meadow Heights Prof Park

City / State / Zip: Collinsville, IL 62234

Contact: Jim Yasitis Phone: 618-343-3590

E-Mail: james.yasitis@jsheld.com Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☒ No Ice °C

Preserved in: ☒ Lab ☐ Field FOR LAB USE ONLY

Lab Notes:

Comments: Dubois Elementary School

Please report in ppb

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104

Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (Pb)
2301064-01	06A	10.20.23 3:00	X									X				X
02	06B		X									X				X
03	07		X									X				X
04	08A		X									X				X
05	08B		X									X				X
06	09A		X									X				X
07	09B		X									X				X
08	10A		X									X				X
09	10B		X									X				X
10	11A		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.20.23		10/20/23 0845

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CHAIN OF CUSTODY

pg. 3 of 10 Work Order # 23D1604

TEKLAB, INC.

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

Client: J.S. Held

Address: 6 Meadow Heights Prof Park

City / State / Zip: Collinsville, IL 62234

Contact: Jim Yasitis Phone: 618-343-3590

E-Mail: james.yasitis@jsheld.com Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C

Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY

Lab Notes:

Comments: Dueno Elementary School

Please report in ppb.

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104

Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (Dw)
23D1604-01	11B	10.20.23 3:00	X									X				X
-02	12A		X									X				X
-03	12B		X									X				X
-04	13A		X									X				X
-05	13B		X									X				X
-06	14A		X									X				X
-07	14B		X									X				X
-08	15A		X									X				X
-09	15B		X									X				X
-10	16A		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.20.23	[signature]	10/20/23 0845

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CHAIN OF CUSTODY

pg. 4 of 10 Work Order # 2310L064

TEKLAB, INC.

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

Client: J.S. Held

Address: 6 Meadow Heights Prof Park

City / State / Zip: Collinsville, IL 62234

Contact: Jim Yasitis Phone: 618-343-3590

E-Mail: james.yasitis@jsheld.com Fax: 618-343-3597

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice _____ °C

Preserved in: ☒ Lab ☐ Field FOR LAB USE ONLY

Lab Notes:

Comments: Dubois Elementary School

Please report in ppb.

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wenteville SD Water Sampling 2310001.04

Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (Dw)
2310L064-031	16B	10-20-23 3:00	X									X				X
-032	17A		X									X				X
-033	17B		X									X				X
-034	18A		X									X				X
-035	18B		X									X				X
-036	19A		X									X				X
-037	19B		X									X				X
-038	20A		X									X				X
-039	20B		X									X				X
-040	21		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10-20-23	[signature]	10/20/23 0845

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CHAIN OF CUSTODY

pg. 5 of 10 Work Order # 231016G4

TEKLAB, INC.

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

Client: J.S. Held

Address: 6 Meadow Heights Prof Park

City / State / Zip: Collinsville, IL 62234

Contact: Jim Yasitis Phone: 618-343-3590

E-Mail: james.yasitis@jsheld.com Fax: 618-343-3597

Samples on: ☐ Ice ☒ Blue Ice ☐ No Ice ____ °C

Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY

Lab Notes:

Comments: Dennis Elementary School

please report in ppb.

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104

Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (Dw)
2310[illegible]	22A	10.20.23 3:00	X									X				X
04	22B		X									X				X
05	23A		X									X				X
06	23B		X									X				X
07	24A		X									X				X
08	24B		X									X				X
09	25A		X									X				X
10	25B		X									X				X
11	26A		X									X				X
12	26B		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.20.23	[signature]	10/20/23 0845

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CHAIN OF CUSTODY

pg. 16 of 10 Work Order # 23101604

TEKLAB, INC.

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

Client: J.S. Held

Address: 6 Meadow Heights Prof Park

City / State / Zip: Collinsville, IL 62234

Contact: Jim Yasitis Phone: 618-343-3590

E-Mail: james.yasitis@jsheld.com Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☒ No Ice _____ °C

Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY

Lab Notes:

Comments: Dunlo Elementary School

Please report in ppb

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104

Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (Pb)
23101604	27A	10.20.23 3:00	X									X				X
05	27B		X									X				X
03	28A		X									X				X
04	28B		X									X				X
05	29A		X									X				X
06	29B		X									X				X
07	30A		X									X				X
08	30B		X									X				X
09	31A		X									X				X
10	31B		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.20.23		10/20/23 0845

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE - LAB YELLOW - SAMPLER'S COPY

October 30, 2023

Jim Yasitis
Environmental Consultants, LLC
#6 Meadow Heights Professional Park
Collinsville, IL 62234
TEL: (618) 343-3590
FAX: (618) 343-3597

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

RE: Wentzville SD Water Sampling 231000104 Lakeview **WorkOrder:** 23101649

Dear Jim Yasitis:

TEKLAB, INC received 28 samples on 10/18/2023 8:27:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

Marvin L. Darling

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

Client: Environmental Consultants, LLC
Work Order: 23101649
Client Project: Wentzville SD Water Sampling 231000104 Lakeview
Report Date: 30-Oct-23

This reporting package includes the following:

Client: Environmental Consultants, LLC **Work Order:** 23101649

Client Project: Wentzville SD Water Sampling 231000104 Lakeview **Report Date:** 30-Oct-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: Environmental Consultants, LLC **Work Order:** 23101649

Client Project: Wentzville SD Water Sampling 231000104 Lakeview **Report Date:** 30-Oct-23

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Environmental Consultants, LLC
Work Order: 23101649
Client Project: Wentzville SD Water Sampling 231000104 Lakeview
Report Date: 30-Oct-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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Environmental Consultants, LLC **Work Order:** 23101649

Client Project: Wentzville SD Water Sampling 231000104 Lakeview **Report Date:** 30-Oct-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: Environmental Consultants, LLC
Work Order: 23101649
Client Project: Wentzville SD Water Sampling 231000104 Lakeview
Report Date: 30-Oct-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									
23101649-001A	32A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:08	10/18/2023 3:00
23101649-002A	32B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:12	10/18/2023 3:00
23101649-003A	33A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:17	10/18/2023 3:00
23101649-004A	33B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:21	10/18/2023 3:00
23101649-005A	34A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:25	10/18/2023 3:00
23101649-006A	34B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:29	10/18/2023 3:00
23101649-007A	35A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:38	10/18/2023 3:00
23101649-008A	35B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 8:34	10/18/2023 3:00
23101649-009A	36A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:12	10/18/2023 3:00
23101649-010A	36B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:16	10/18/2023 3:00
23101649-011A	37A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:21	10/18/2023 3:00
23101649-012A	37B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:25	10/18/2023 3:00
23101649-013A	38A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:29	10/18/2023 3:00
23101649-014A	38B	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:33	10/18/2023 3:00
23101649-015A	39A	NELAP		1.0	**< 1.0**	µg/L	1	10/27/2023 9:38	10/18/2023 3:00
23101649-016A	39B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:05	10/18/2023 3:00
23101649-017A	40A	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:09	10/18/2023 3:00
23101649-018A	40B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:13	10/18/2023 3:00
23101649-019A	41A	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:17	10/18/2023 3:00
23101649-020A	41B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:22	10/18/2023 3:00
23101649-021A	42A	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:26	10/18/2023 3:00
23101649-022A	42B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:35	10/18/2023 3:00
23101649-023A	43A	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 17:30	10/18/2023 3:00
23101649-024A	43B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 18:05	10/18/2023 3:00
23101649-025A	44A	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 18:09	10/18/2023 3:00
23101649-026A	44B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 18:14	10/18/2023 3:00
23101649-027A	45A	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 18:18	10/18/2023 3:00
23101649-028A	45B	NELAP		1.0	**< 1.0**	µg/L	1	10/26/2023 18:22	10/18/2023 3:00

Receiving Check List

http://www.teklabinc.com/

Client: Environmental Consultants, LLC
Work Order: 23101649
Client Project: Wentzville SD Water Sampling 231000104 Lakeview
Report Date: 30-Oct-23

Carrier: Devon Rathbun
Received By: HAW

Completed by: Elizabeth A. Hurley
On: 19-Oct-23

Reviewed by: Ellie Hopkins
On: 20-Oct-23

Pages to follow: Chain of custody 3 Extra pages included 3

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

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

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

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - ehurley - 10/19/2023 6:24:31 PM

CHAIN OF CUSTODY

pg. 7 of 9 Work Order # ~~23101300~~ 23101649 JE 10/19/23

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

Client: J.S. Held
Address: 6 Meadow Heights Prof Park
City / State / Zip: Collinsville, IL 62234
Contact: Jim Yasitis   Phone: 618-343-3590
E-Mail: james.yasitis@jsheld.com   Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☒ No Ice NA °C
Preserved in: ☒ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: Lakeview
Please report in ppb.

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104
Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_______ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	Lead (DW)
[illegible]	32A	10.18.23 3:00	X									X				X
[illegible]	32B	↓	X									X				X
[illegible]	33A	↓	X									X				X
[illegible]	33B	↓	X									X				X
[illegible]	34A	↓	X									X				X
[illegible]	34B	↓	X									X				X
[illegible]	35A	↓	X									X				X
[illegible]	35B	↓	X									X				X
[illegible]	36A	↓	X									X				X
[illegible]	36B	↓	X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.18.23	[illegible signature]	10/18/23 827

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE – LAB YELLOW – SAMPLER'S COPY

CHAIN OF CUSTODY

 Work Order # ~~231013010~~ 23101649

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

Client: J.S. Held
Address: 6 Meadow Heights Prof Park
City / State / Zip: Collinsville, IL 62234
Contact: Jim Yasitis   Phone: 618-343-3590
E-Mail: james.yasitis@jsheld.com   Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice ______ °C
Preserved in: ☐ Lab ☐ Field   FOR LAB USE ONLY
Lab Notes:

Comments: Lakeview
Please report in ppb.

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104
Sample Collector's Name: Brad Frisch

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_______ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	Lead (DW)
23101649-011	37A	10-18-23 3:00	X									X				X
-012	37B	↓	X									X				X
013	38A	↓	X									X				X
014	38B	↓	X									X				X
015	39A	↓	X									X				X
016	39B	↓	X									X				X
017	40A	↓	X									X				X
018	40B	↓	X									X				X
019	41A	↓	X									X				X
020	41B	↓	X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10-18-23	[signature]	10/18/23 827

WHITE - LAB YELLOW - ...

CHAIN OF CUSTODY

pg. 9 of 9 Work Order # ~~2310300~~ 2310479

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

Client:	J.S. Held
Address:	6 Meadow Heights Prof Park
City / State / Zip:	Collinsville, IL 62234
Contact:	Jim Yasitis — Phone: 618-343-3590
E-Mail:	james.yasitis@jsheld.com — Fax: 618-343-3597

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments:
Lakeview
Please report in ppb

- 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 comment section. ☒ Yes ☐ No

Project Name / Number: Wentzville SD Water Sampling 231000104
Sample Collector's Name: Brad Frisch
Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)
Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Lead (Dw)
231047[illegible]	42A	10.18.23 3:00	X									X				X
[illegible]	42B		X									X				X
[illegible]	43A		X									X				X
[illegible]	43B		X									X				X
[illegible]	44A		X									X				X
[illegible]	44B		X									X				X
[illegible]	45A		X									X				X
[illegible]	45B		X									X				X

Relinquished By	Date / Time	Received By	Date / Time
Devon Rathbun	10.18.23	[signature]	10/18/23 827

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE - LAB [illegible]

TABLE 1

Drinking Water Sampling for Lead Content
Wentzville R-IV School District
Lakeview Elementary School
Sampled: October 18, 2023

Sample ID	Location	Water Source	Results (ppb)
01A	Kitchen- Pot Filler	Sink	
01B	Kitchen- Pot Filler	Sink	
02	Kitchen- Ice Machine	Ice Machine	
03A	Kitchen- 2 Bay	Sink	
03B	Kitchen- 2 Bay	Sink	
04A	Kitchen- Single Bay	Sink	
04B	Kitchen- Single Bay	Sink	
05A	Kitchen- Dishwashing Area- Dish Sprayer	Sink	
05B	Kitchen- Dishwashing Area- Dish Sprayer	Sink	
06A	Kitchen- 3 Bay (Left)	Sink	
06B	Kitchen- 3 Bay (Left)	Sink	
07A	Kitchen- 3 Bay (Right)	Sink	
07B	Kitchen- 3 Bay (Right)	Sink	
08A	Near Room C4 (Left)	Fountain	
08B	Near Room C4 (Left)	Fountain	
09A	Near Room C4 (Left Center)	Fountain	
09B	Near Room C4 (Left Center)	Fountain	
10A	Near Room C4 (Right Center)	Fountain	
10B	Near Room C4 (Right Center)	Fountain	
11A	Near Room C4 (Right)	Fountain	
11B	Near Room C4 (Right)	Fountain	
12A	Room C11 Kindergarten	Sink	
12B	Room C11 Kindergarten	Sink	
13A	Room C13 Kindergarten	Sink	
13B	Room C13 Kindergarten	Sink	
14A	Room C12 Kindergarten	Sink	
14B	Room C12 Kindergarten	Sink	
15A	Room C10 Kindergarten	Sink	
15B	Room C10 Kindergarten	Sink	
16A	Near Room C11 (Left)	Fountain	
16B	Near Room C11 (Left)	Fountain	
17A	Near Room C11 (Right)	Fountain	
17B	Near Room C11 (Right)	Fountain	
18A	Near Room C12 (Left)	Fountain	
18B	Near Room C12 (Left)	Fountain	

23101364/23101469

Sample ID	Location	Water Source	Results (ppb)
19A	Near Room C12 (Right)	Fountain	
19B	Near Room C12 (Right)	Fountain	
20A	Near Room C26 (Left)	Fountain	
20B	Near Room C26 (Left)	Fountain	
21A	Near Room C26 (Right Center)	Fountain	
21B	Near Room C26 (Right Center)	Fountain	
22A	Near Room C26 (Right)	Fountain	
22B	Near Room C26 (Right)	Fountain	
23A	Near Room C2 (Left)	Fountain	
23B	Near Room C2 (Left)	Fountain	
24A	Near Room C2 (Left Center)	Fountain	
24B	Near Room C2 (Left Center)	Fountain	
25A	Near Room C2 (Right Center)	Fountain	
25B	Near Room C2 (Right Center)	Fountain	
26A	Near Room C2 (Right)	Fountain	
26B	Near Room C2 (Right)	Fountain	
27A	Room A5- Teacher's Lounge	Sink	
27B	Room A5- Teacher's Lounge	Sink	
28	Room A5- Teacher's Lounge	Ice Machine	
29A	Room A6- Nurse's Office	Sink	
29B	Room A6- Nurse's Office	Sink	
30A	Near Room E1 (Left)	Fountain	
30B	Near Room E1 (Left)	Fountain	
31A	Near Room E1 (Left Center)	Fountain	
31B	Near Room E1 (Left Center)	Fountain	
32A	Near Room E1 (Right Center)	Fountain	
32B	Near Room E1 (Right Center)	Fountain	
33A	Near Room E1 (Right)	Fountain	
33B	Near Room E1 (Right)	Fountain	
34A	Near Room D2 (Left)	Fountain	
34B	Near Room D2 (Left)	Fountain	
35A	Near Room D2 (Left Center)	Fountain	
35B	Near Room D2 (Left Center)	Fountain	
36A	Near Room D2 (Right Center)	Fountain	
36B	Near Room D2 (Right Center)	Fountain	
37A	Near Room D2 (Right)	Fountain	
37B	Near Room D2 (Right)	Fountain	
38A	Near Room E2 (Left)	Fountain	
38B	Near Room E2 (Left)	Fountain	
39A	Near Room E2 (Left Center)	Fountain	
39B	Near Room E2 (Left Center)	Fountain	
40A	Near Room E2 (Right Center)	Fountain	
40B	Near Room E2 (Right Center)	Fountain	
41A	Near Room E2 (Right)	Fountain	
41B	Near Room E2 (Right)	Fountain	

2310134w/331016

Sample ID	Location	Water Source	Results (ppb)
42A	Near Room F21A (Left)	Fountain	
42B	Near Room F21A (Left)	Fountain	
43A	Near Room F21A (Left Center)	Fountain	
43B	Near Room F21A (Left Center)	Fountain	
44A	Near Room F21A (Right Center)	Fountain	
44B	Near Room F21A (Right Center)	Fountain	
45A	Near Room F21A (Right)	Fountain	
45B	Near Room F21A (Right)	Fountain	

[redacted] Water sources in excess of 20 ppb. Recommendation is to remove from service immediately. Do not return to service until re-testing confirms mitigation was effective.

Water source is < 20 ppb, but still displays evidence of lead. Recommendation is to re-test source on an annual basis at a minimum

Sample Legend

"A" = First Draw
"B" = Second Draw

APPENDIX C
CREDENTIALS

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Bradley M. Frisch

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

Lead Risk Assessor
Category of License

Issuance Date:	**3/1/2022**
Expiration Date:	**3/1/2024**
License Number:	**160229-300004900**

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

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

COLLEGE FOR

PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

Brad Frisch

2668 Kettering Court, Saint Charles, MO 63303

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

Lead Risk Assessor Refresher

St. Louis, MO

Certificate # CEET 325 - 3/7/2022 - **117395**
Examination Date: 3/7/2022
CEUs: 0.8

Christopher C. King PhD
Director, Center for Environmental Education and Training

Certificate expiration is 3 years from examination date for Illinois Dept. of Public Health

Center for Environmental Education and Training, 3545 Lafayette, St. Louis, MO 63104
(314) 977-8256 slu.edu/x39753.xml

This training course has been accredited by the Illinois Department of Public Health, and by the Missouri Department of Health & Senior Services.

State of Missouri
Department of Natural Resources

Certificate of Approval
for Chemical Laboratory Service

This is to certify that

Teklab, Incorporated

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

Certification Number 930

Date Issued December 13, 2021

Expiration Date January 31, 2025

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

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

MISSOURI DEPARTMENT OF NATURAL RESOURCES

DRINKING WATER LABORATORY

CERTIFIED PARAMETER LIST

This is to certify that

Teklab, Incorporated

located at

5445 Horseshoe Lake Road, Collinsville, IL 62234

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

INORGANIC

EPA 335.4
Total Cyanide

EPA 353.2
Nitrate, Nitrite, Total Nitrate and Nitrite

EPA 245.1
Mercury

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

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

SM4500F-C
Fluoride

SM4500NO2-B
Nitrite

Teklab, Incorporated

Expiration Date: January 31, 2025

Missouri Certificate No.: 930

Original Certifying State: Illinois

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

NELAP ACCREDITED

Accreditation Number #100226

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Primary Accrediting Authority:Illinois

Millie Rose
Supervisor
Environmental Laboratory Accreditation Program

Certificate No: 1002262023-17
Expiration Date: 1/31/2024
Issued On: 4/11/2023

State of Illinois
Environmental Protection Agency

Awards the Certificate of Approval to:

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

The Illinois Environmental Laboratory Accreditation Program encourages all clients and data users to verify the most current scope of accreditation for Teklab, Incorporated.

Certificate No.: 1002262023-17

	Primary AB
Field of Testing /Matrix: ***CWA (Non Potable Water)***	
Method EPA 120.1	
Conductivity	IL
Method EPA 1631E	
Mercury	IL
Method EPA 1664A Rev: 1	
Oil & Grease	IL
Method EPA 180.1 Rev: 2	
Turbidity	IL
Method EPA 200.7 Rev: 4.4	
Aluminum	IL
Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Boron	IL
Cadmium	IL
Calcium	IL
Chromium	IL
Cobalt	IL
Copper	IL
Iron	IL
Lead	IL
Magnesium	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Phosphorus	IL
Potassium	IL
Selenium	IL
Silver	IL
Sodium	IL
Thallium	IL
Tin	IL
Titanium	IL
Vanadium	IL
Zinc	IL
Method EPA 200.8 Rev: 5.4	
Aluminum	IL

Field of Testing /Matrix: ***CWA (Non Potable Water)***

Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Cadmium	IL
Chromium	IL
Cobalt	IL
Copper	IL
Lead	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Selenium	IL
Silver	IL
Thallium	IL
Vanadium	IL
Zinc	IL
Method EPA 245.1 Rev: 3	
Mercury	IL
Method EPA 335.4 Rev: 1	
Cyanide	IL
Method EPA 350.1 Rev: 2	
Ammonia as N	IL
Method EPA 351.2 Rev: 2	
Total Kjeldahl Nitrogen (TKN)	IL
Method EPA 353.2 Rev: 2	
Nitrate	IL
Nitrate-nitrite	IL
Nitrite as N	IL
Method EPA 365.4	
Phosphorus	IL
Method EPA 375.2 Rev: 2	
Sulfate	IL
Method EPA 410.4 Rev: 2	
Chemical oxygen demand	IL
Method EPA 420.1	
Total phenolics	IL
Method EPA 420.4 Rev: 1	
Total phenolics	IL
Method EPA 608.3 GC-ECD	
4,4'-DDD	IL
4,4'-DDE	IL
4,4'-DDT	IL
Aldrin	IL
alpha-BHC (alpha-Hexachlorocyclohexane)	IL
Aroclor-1016 (PCB-1016)	IL
Aroclor-1221 (PCB-1221)	IL
Aroclor-1232 (PCB-1232)	IL
Aroclor-1242 (PCB-1242)	IL

Field of Testing /Matrix: ***CWA (Non Potable Water)***

Aroclor-1248 (PCB-1248)	IL
Aroclor-1254 (PCB-1254)	IL
Aroclor-1260 (PCB-1260)	IL
beta-BHC (beta-Hexachlorocyclohexane)	IL
Chlordane (tech.)(N.O.S.)	IL
delta-BHC	IL
Dieldrin	IL
Endosulfan I	IL
Endosulfan II	IL
Endosulfan sulfate	IL
Endrin	IL
Endrin aldehyde	IL
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	IL
Heptachlor	IL
Heptachlor epoxide	IL
Methoxychlor	IL
Toxaphene (Chlorinated camphene)	IL

Method EPA 615

2,4,5-T	IL
2,4-D	IL
Dicamba	IL
Silvex (2,4,5-TP)	IL

Method EPA 624.1

1,1,1-Trichloroethane	IL
1,1,2,2-Tetrachloroethane	IL
1,1,2-Trichloroethane	IL
1,1-Dichloroethane	IL
1,1-Dichloroethylene	IL
1,2-Dichlorobenzene (o-Dichlorobenzene)	IL
1,2-Dichloroethane (Ethylene dichloride)	IL
1,2-Dichloropropane	IL
1,3-Dichlorobenzene	IL
1,4-Dichlorobenzene	IL
2-Chloroethyl vinyl ether	IL
Acetonitrile	IL
Acrolein (Propenal)	IL
Acrylonitrile	IL
Benzene	IL
Bromodichloromethane	IL
Bromoform	IL
Carbon tetrachloride	IL
Chlorobenzene	IL
Chlorodibromomethane	IL
Chloroethane (Ethyl chloride)	IL
Chloroform	IL
cis-1,3-Dichloropropene	IL
Ethylbenzene	IL
Methyl bromide (Bromomethane)	IL
Methyl chloride (Chloromethane)	IL
Methyl tert-butyl ether (MTBE)	IL
Methylene chloride (Dichloromethane)	IL

Field of Testing /Matrix: ***CWA (Non Potable Water)***

Tetrachloroethylene (Perchloroethylene)	IL
Toluene	IL
trans-1,2-Dichloroethylene	IL
trans-1,3-Dichloropropylene	IL
Trichloroethene (Trichloroethylene)	IL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	IL
Vinyl chloride	IL
Xylene (total)	IL

Method EPA 625.1

1,2,4-Trichlorobenzene	IL
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	IL
2,4,6-Trichlorophenol	IL
2,4-Dichlorophenol	IL
2,4-Dimethylphenol	IL
2,4-Dinitrophenol	IL
2,4-Dinitrotoluene (2,4-DNT)	IL
2,6-Dinitrotoluene (2,6-DNT)	IL
2-Chloronaphthalene	IL
2-Chlorophenol	IL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	IL
2-Nitrophenol	IL
3,3'-Dichlorobenzidine	IL
4-Bromophenyl phenyl ether	IL
4-Chloro-3-methylphenol	IL
4-Chlorophenyl phenylether	IL
4-Nitrophenol	IL
Acenaphthene	IL
Acenaphthylene	IL
Anthracene	IL
Benzidine	IL
Benzo(a)anthracene	IL
Benzo(a)pyrene	IL
Benzo(b)fluoranthene	IL
Benzo(g,h,i)perylene	IL
Benzo(k)fluoranthene	IL
bis(2-Chloroethoxy)methane	IL
bis(2-Chloroethyl) ether	IL
bis(2-Ethylhexyl) phthalate (DEHP)	IL
Butyl benzyl phthalate	IL
Carbazole	IL
Chrysene	IL
Dibenz(a,h) anthracene	IL
Diethyl phthalate	IL
Dimethyl phthalate	IL
Di-n-butyl phthalate	IL
Di-n-octyl phthalate	IL
Fluoranthene	IL
Fluorene	IL
Hexachlorobenzene	IL
Hexachlorobutadiene	IL
Hexachlorocyclopentadiene	IL
Hexachloroethane	IL

Field of Testing /Matrix: ***CWA (Non Potable Water)***

Indeno(1,2,3-cd) pyrene	IL
Isophorone	IL
Naphthalene	IL
Nitrobenzene	IL
n-Nitrosodimethylamine	IL
n-Nitrosodi-n-propylamine	IL
n-Nitrosodiphenylamine	IL
Pentachlorophenol	IL
Phenanthrene	IL
Phenol	IL
Pyrene	IL
Pyridine	IL
Method OIA 1677-09	
Available Cyanide	IL
Method SM 2120 B-2011	
Color	IL
Method SM 2130 B-2011	
Turbidity	IL
Method SM 2310 B-2011	
Acidity, as CaCO3	IL
Method SM 2320 B-2011	
Alkalinity as CaCO3	IL
Method SM 2340 B-1997	
Hardness	IL
Method SM 2510 B-2011	
Conductivity	IL
Method SM 2540 B-2011	
Residue-total	IL
Method SM 2540 C-2011	
Residue-filterable (TDS)	IL
Method SM 2540 D-2011	
Residue-nonfilterable (TSS)	IL
Method SM 2540 E-2011	
Residue-volatile	IL
Method SM 2540 F-2011	
Residue-settleable	IL
Method SM 3500-Cr B-2011	
Chromium VI	IL
Method SM 4500-Cl G-2011	
Total residual chlorine	IL
Method SM 4500-Cl^- C-1997	
Chloride	IL
Method SM 4500-Cl^- C-2011	
Chloride	IL
Method SM 4500-Cl^- E-2000	
Chloride	IL
Method SM 4500-Cl^- E-2011	

Field of Testing /Matrix: ***CWA (Non Potable Water)***

Chloride	IL
Method SM 4500-F^- C-2011	
Fluoride	IL
Method SM 4500-H+ B-2011	
pH	IL
Method SM 4500-NH3 G-2011	
Ammonia	IL
Method SM 4500-$NO2^-$ B-2011	
Nitrite	IL
Method SM 4500-$NO3^-$ F-2000	
Nitrate plus Nitrite as N	IL
Method SM 4500-O G-2001	
Oxygen, dissolved	IL
Method SM 4500-P E-2011	
Orthophosphate as P	IL
Method SM 4500-$S2^-$ D-2011	
Sulfide	IL
Method SM 4500-$SO3^-$ B-2011	
Sulfite-SO3	IL
Method SM 5210 B-2011	
Biochemical oxygen demand	IL
Carbonaceous BOD, CBOD	IL
Method SM 5220 D-2011	
Chemical oxygen demand	IL
Method SM 5310 C-2011	
Total organic carbon	IL
Method SM 5540 C-2011	
Surfactants - MBAS	IL

Field of Testing /Matrix: ***CWA (Solid & Hazardous Material)***

Method EPA 160.4	
Residue-volatile	IL
Method EPA 245.1 Rev: 3	
Mercury	IL
Method EPA 351.2 Rev: 2	
Total Kjeldahl Nitrogen (TKN)	IL
Method EPA 353.2 Rev: 2	
Nitrate	IL
Nitrate-nitrite	IL
Nitrite as N	IL
Method EPA 365.4	
Phosphorus	IL
Method EPA 420.1	
Total phenolics	IL
Method EPA 608.3 GC-ECD	
4,4'-DDD	IL
4,4'-DDE	IL
4,4'-DDT	IL
Aldrin	IL
alpha-BHC (alpha-Hexachlorocyclohexane)	IL
Aroclor-1016 (PCB-1016)	IL
Aroclor-1221 (PCB-1221)	IL
Aroclor-1232 (PCB-1232)	IL
Aroclor-1242 (PCB-1242)	IL
Aroclor-1248 (PCB-1248)	IL
Aroclor-1254 (PCB-1254)	IL
Aroclor-1260 (PCB-1260)	IL
beta-BHC (beta-Hexachlorocyclohexane)	IL
Chlordane (tech.)(N.O.S.)	IL
delta-BHC	IL
Dieldrin	IL
Endosulfan I	IL
Endosulfan II	IL
Endosulfan sulfate	IL
Endrin	IL
Endrin aldehyde	IL
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	IL
Heptachlor	IL
Heptachlor epoxide	IL
Methoxychlor	IL
Toxaphene (Chlorinated camphene)	IL
Method EPA 624.1	
1,1,1-Trichloroethane	IL
1,1,2,2-Tetrachloroethane	IL
1,1,2-Trichloroethane	IL
1,1-Dichloroethane	IL
1,1-Dichloroethylene	IL
1,2-Dichlorobenzene (o-Dichlorobenzene)	IL
1,2-Dichloroethane (Ethylene dichloride)	IL
1,2-Dichloropropane	IL

Field of Testing /Matrix: ***CWA (Solid & Hazardous Material)***

1,3-Dichlorobenzene	IL
1,4-Dichlorobenzene	IL
2-Chloroethyl vinyl ether	IL
Acetonitrile	IL
Acrolein (Propenal)	IL
Acrylonitrile	IL
Benzene	IL
Bromodichloromethane	IL
Bromoform	IL
Carbon tetrachloride	IL
Chlorobenzene	IL
Chlorodibromomethane	IL
Chloroethane (Ethyl chloride)	IL
Chloroform	IL
cis-1,3-Dichloropropene	IL
Ethylbenzene	IL
Methyl bromide (Bromomethane)	IL
Methyl chloride (Chloromethane)	IL
Methyl tert-butyl ether (MTBE)	IL
Methylene chloride (Dichloromethane)	IL
Tetrachloroethylene (Perchloroethylene)	IL
Toluene	IL
trans-1,2-Dichloroethylene	IL
trans-1,3-Dichloropropylene	IL
Trichloroethene (Trichloroethylene)	IL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	IL
Vinyl chloride	IL
Xylene (total)	IL

Method EPA 625.1

1,2,4-Trichlorobenzene	IL
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	IL
2,4,6-Trichlorophenol	IL
2,4-Dichlorophenol	IL
2,4-Dimethylphenol	IL
2,4-Dinitrophenol	IL
2,4-Dinitrotoluene (2,4-DNT)	IL
2,6-Dinitrotoluene (2,6-DNT)	IL
2-Chloronaphthalene	IL
2-Chlorophenol	IL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	IL
2-Nitrophenol	IL
3,3'-Dichlorobenzidine	IL
4-Bromophenyl phenyl ether	IL
4-Chloro-3-methylphenol	IL
4-Nitrophenol	IL
Acenaphthene	IL
Acenaphthylene	IL
Anthracene	IL
Benzidine	IL
Benzo(a)anthracene	IL
Benzo(a)pyrene	IL
Benzo(b)fluoranthene	IL

Field of Testing /Matrix: ***CWA (Solid & Hazardous Material)***

Benzo(g,h,i)perylene	IL
Benzo(k)fluoranthene	IL
bis(2-Chloroethoxy)methane	IL
bis(2-Chloroethyl) ether	IL
bis(2-Ethylhexyl) phthalate (DEHP)	IL
Butyl benzyl phthalate	IL
Carbazole	IL
Chrysene	IL
Dibenz(a,h) anthracene	IL
Diethyl phthalate	IL
Dimethyl phthalate	IL
Di-n-butyl phthalate	IL
Di-n-octyl phthalate	IL
Fluoranthene	IL
Fluorene	IL
Hexachlorobenzene	IL
Hexachlorobutadiene	IL
Hexachlorocyclopentadiene	IL
Hexachloroethane	IL
Indeno(1,2,3-cd) pyrene	IL
Isophorone	IL
Naphthalene	IL
Nitrobenzene	IL
n-Nitrosodimethylamine	IL
n-Nitrosodi-n-propylamine	IL
n-Nitrosodiphenylamine	IL
Pentachlorophenol	IL
Phenanthrene	IL
Phenol	IL
Pyrene	IL
Pyridine	IL
Method SM 2340 B-1997	
Hardness	IL
Method SM 2540 C-1997	
Residue-filterable (TDS)	IL
Method SM 2540 F-1997	
Residue-settleable	IL
Method SM 4500-Cl^- C-1997	
Chloride	IL
Method SM 4500-Cl^- C-2011	
Chloride	IL
Method SM 4500-Cl^- E-2000	
Chloride	IL
Method SM 4500-$NO2^-$ B-2011	
Nitrite	IL
Method SM 4500-$NO3^-$ F-2000	
Nitrate plus Nitrite as N	IL
Method SM 4500-P E-1999	
Orthophosphate as P	IL

Field of Testing /Matrix: ***CWA (Solid & Hazardous Material)***

Method **SM 4500-$SO_3^{=}$ B-2000**

Sulfite-SO3 IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

Method EPA 1010A	
Ignitability	IL
Method EPA 1020B	
Ignitability	IL
Method EPA 1311 Rev: 0	
Toxicity Characteristic Leaching Procedure (TCLP)	IL
Method EPA 1312 Rev: 0	
Synthetic Precipitation Leaching Procedure (SPLP)	IL
Method EPA 6010B Rev: 2	
Aluminum	IL
Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Boron	IL
Cadmium	IL
Calcium	IL
Chromium	IL
Cobalt	IL
Copper	IL
Iron	IL
Lead	IL
Lithium	IL
Magnesium	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Phosphorus	IL
Potassium	IL
Selenium	IL
Silver	IL
Sodium	IL
Strontium	IL
Thallium	IL
Tin	IL
Titanium	IL
Vanadium	IL
Zinc	IL
Method EPA 6020A Rev: 1	
Aluminum	IL
Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Boron	IL
Cadmium	IL
Calcium	IL
Chromium	IL
Cobalt	IL
Copper	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

Iron	IL
Lead	IL
Magnesium	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Potassium	IL
Selenium	IL
Silver	IL
Sodium	IL
Thallium	IL
Vanadium	IL
Zinc	IL

Method EPA 7196A Rev: 1

Chromium VI	IL

Method EPA 7470A Rev: 1

Mercury	IL

Method EPA 8015B Rev: 2

Diesel range organics (DRO)	IL
Ethanol	IL
Ethylene glycol	IL
Isobutyl alcohol (2-Methyl-1-propanol)	IL
Isopropyl alcohol (2-Propanol, Isopropanol)	IL
Methanol	IL
n-Butyl alcohol (1-Butanol, n-Butanol)	IL
n-Propanol (1-Propanol)	IL
tert-Butyl alcohol	IL

Method EPA 8081B

4,4'-DDD	IL
4,4'-DDE	IL
4,4'-DDT	IL
Alachlor	IL
Aldrin	IL
alpha-BHC (alpha-Hexachlorocyclohexane)	IL
alpha-Chlordane, cis-Chlordane	IL
beta-BHC (beta-Hexachlorocyclohexane)	IL
Chlordane (tech.)(N.O.S.)	IL
delta-BHC	IL
Dieldrin	IL
Endosulfan I	IL
Endosulfan II	IL
Endosulfan sulfate	IL
Endrin	IL
Endrin aldehyde	IL
Endrin ketone	IL
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	IL
gamma-Chlordane	IL
Heptachlor	IL
Heptachlor epoxide	IL
Methoxychlor	IL
Toxaphene (Chlorinated camphene)	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

Method EPA 8082 Rev: 0

Aroclor-1016 (PCB-1016)	IL
Aroclor-1221 (PCB-1221)	IL
Aroclor-1232 (PCB-1232)	IL
Aroclor-1242 (PCB-1242)	IL
Aroclor-1248 (PCB-1248)	IL
Aroclor-1254 (PCB-1254)	IL
Aroclor-1260 (PCB-1260)	IL

Method EPA 8151A

2,4,5-T	IL
2,4-D	IL
2,4-DB	IL
3,5-Dichlorobenzoic acid	IL
4-Nitrophenol	IL
Acifluorfen	IL
Bentazon	IL
Chloramben	IL
Dalapon	IL
DCPA di acid degradate	IL
Dicamba	IL
Dichloroprop (Dichlorprop)	IL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	IL
MCPA	IL
MCPP	IL
Pentachlorophenol	IL
Picloram	IL
Silvex (2,4,5-TP)	IL

Method EPA 8260B

1,1,1,2-Tetrachloroethane	IL
1,1,1-Trichloroethane	IL
1,1,2,2-Tetrachloroethane	IL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	IL
1,1,2-Trichloroethane	IL
1,1-Dichloroethane	IL
1,1-Dichloroethylene	IL
1,1-Dichloropropene	IL
1,2,3-Trichlorobenzene	IL
1,2,3-Trichloropropane	IL
1,2,4-Trichlorobenzene	IL
1,2,4-Trimethylbenzene	IL
1,2-Dibromo-3-chloropropane (DBCP)	IL
1,2-Dibromoethane (EDB, Ethylene dibromide)	IL
1,2-Dichlorobenzene (o-Dichlorobenzene)	IL
1,2-Dichloroethane (Ethylene dichloride)	IL
1,2-Dichloropropane	IL
1,3,5-Trimethylbenzene	IL
1,3-Dichlorobenzene	IL
1,3-Dichloropropane	IL
1,4-Dichlorobenzene	IL
1-Chlorobutane	IL
2,2-Dichloropropane	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

2-Butanone (Methyl ethyl ketone, MEK)	IL
2-Chloroethyl vinyl ether	IL
2-Chlorotoluene	IL
2-Hexanone	IL
2-Nitropropane	IL
4-Chlorotoluene	IL
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	IL
4-Methyl-2-pentanone (MIBK)	IL
Acetone	IL
Acetonitrile	IL
Acrolein (Propenal)	IL
Acrylonitrile	IL
Allyl chloride (3-Chloropropene)	IL
Benzene	IL
Bromobenzene	IL
Bromochloromethane	IL
Bromodichloromethane	IL
Bromoform	IL
Carbon disulfide	IL
Carbon tetrachloride	IL
Chlorobenzene	IL
Chlorodibromomethane	IL
Chloroethane (Ethyl chloride)	IL
Chloroform	IL
Chloroprene (2-Chloro-1,3-butadiene)	IL
cis-1,2-Dichloroethylene	IL
cis-1,3-Dichloropropene	IL
cis-1,4-Dichloro-2-butene	IL
Dibromomethane (Methylene bromide)	IL
Dichlorodifluoromethane (Freon-12)	IL
Diethyl ether	IL
Di-isopropylether (DIPE) (Isopropyl Ether)	IL
Ethyl acetate	IL
Ethyl methacrylate	IL
Ethylbenzene	IL
Hexachlorobutadiene	IL
Hexachloroethane	IL
Iodomethane (Methyl iodide)	IL
Isopropylbenzene	IL
m+p-xylene	IL
Methacrylonitrile	IL
Methyl acrylate	IL
Methyl bromide (Bromomethane)	IL
Methyl chloride (Chloromethane)	IL
Methyl methacrylate	IL
Methyl tert-butyl ether (MTBE)	IL
Methylene chloride (Dichloromethane)	IL
m-Xylene	IL
Naphthalene	IL
n-Butylbenzene	IL
Nitrobenzene	IL
n-Propylbenzene	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

o-Xylene	IL
Pentachloroethane	IL
Propionitrile (Ethyl cyanide)	IL
p-Xylene	IL
sec-Butylbenzene	IL
Styrene	IL
tert-Butyl alcohol	IL
tert-Butylbenzene	IL
Tetrachloroethylene (Perchloroethylene)	IL
Tetrahydrofuran (THF)	IL
Toluene	IL
trans-1,2-Dichloroethylene	IL
trans-1,3-Dichloropropylene	IL
trans-1,4-Dichloro-2-butene	IL
Trichloroethene (Trichloroethylene)	IL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	IL
Vinyl acetate	IL
Vinyl chloride	IL
Xylene (total)	IL

Method EPA 8270C Rev: 3

1,2,4-Trichlorobenzene	IL
1,2-Dichlorobenzene (o-Dichlorobenzene)	IL
1,3-Dichlorobenzene	IL
1,4-Dichlorobenzene	IL
1,4-Dioxane (1,4- Diethyleneoxide)	IL
1,4-Naphthoquinone	IL
1-Naphthylamine	IL
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	IL
2,4,5-Trichlorophenol	IL
2,4,6-Trichlorophenol	IL
2,4-Dichlorophenol	IL
2,4-Dimethylphenol	IL
2,4-Dinitrophenol	IL
2,4-Dinitrotoluene (2,4-DNT)	IL
2,6-Dinitrotoluene (2,6-DNT)	IL
2-Chloronaphthalene	IL
2-Chlorophenol	IL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	IL
2-Methylaniline (o-Toluidine)	IL
2-Methylnaphthalene	IL
2-Methylphenol (o-Cresol)	IL
2-Nitroaniline	IL
2-Nitrophenol	IL
3,3'-Dichlorobenzidine	IL
3,3'-Dimethylbenzidine	IL
3-Methylcholanthrene	IL
3-Methylphenol (m-Cresol)	IL
3-Nitroaniline	IL
4-Aminobiphenyl	IL
4-Bromophenyl phenyl ether	IL
4-Chloro-3-methylphenol	IL
4-Chloroaniline	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

4-Chlorophenyl phenylether	IL
4-Dimethyl aminoazobenzene	IL
4-Methylphenol (p-Cresol)	IL
4-Nitroaniline	IL
4-Nitrophenol	IL
5-Nitro-o-toluidine	IL
7,12-Dimethylbenz(a) anthracene	IL
Acenaphthene	IL
Acenaphthylene	IL
Acetophenone	IL
Aniline	IL
Anthracene	IL
Benzidine	IL
Benzo(a)anthracene	IL
Benzo(a)pyrene	IL
Benzo(b)fluoranthene	IL
Benzo(g,h,i)perylene	IL
Benzo(k)fluoranthene	IL
Benzoic acid	IL
Benzyl alcohol	IL
bis(2-Chloroethoxy)methane	IL
bis(2-Chloroethyl) ether	IL
bis(2-Ethylhexyl) phthalate (DEHP)	IL
Butyl benzyl phthalate	IL
Carbazole	IL
Chlorobenzilate	IL
Chrysene	IL
Diallate	IL
Dibenz(a,h) anthracene	IL
Dibenzofuran	IL
Diethyl phthalate	IL
Dimethoate	IL
Dimethyl phthalate	IL
Di-n-butyl phthalate	IL
Di-n-octyl phthalate	IL
Diphenylamine	IL
Ethyl methanesulfonate	IL
Famphur	IL
Fluoranthene	IL
Fluorene	IL
Hexachlorobenzene	IL
Hexachlorobutadiene	IL
Hexachlorocyclopentadiene	IL
Hexachloroethane	IL
Hexachloropropene	IL
Indeno(1,2,3-cd) pyrene	IL
Isodrin	IL
Isophorone	IL
Isosafrole	IL
Methyl methanesulfonate	IL
Naphthalene	IL
Nitrobenzene	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

n-Nitrosodiethylamine	IL
n-Nitrosodimethylamine	IL
n-Nitroso-di-n-butylamine	IL
n-Nitrosodi-n-propylamine	IL
n-Nitrosodiphenylamine	IL
n-Nitrosomethylethylamine	IL
n-Nitrosopiperidine	IL
n-Nitrosopyrrolidine	IL
o,o,o-Triethyl phosphorothioate	IL
Parathion	IL
Pentachlorobenzene	IL
Pentachloronitrobenzene	IL
Pentachlorophenol	IL
Phenanthrene	IL
Phenol	IL
Pronamide (Kerb)	IL
Pyrene	IL
Pyridine	IL
Safrole	IL

Method EPA 8270C Mod LVI

Acetochlor	IL
Alachlor	IL
Atrazine	IL
Butylate	IL
Cyanazine	IL
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	IL
Metolachlor	IL
Metribuzin	IL
Pendimethalin (Penoxalin)	IL
Simazine	IL
Trifluralin (Treflan)	IL

Method EPA 9012A Rev: 1

Cyanide	IL

Method EPA 9014 Rev: 0

Cyanide	IL

Method EPA 9020B Rev: 2

Total organic halides (TOX)	IL

Method EPA 9023 Rev: 0

Extractable organics halides (EOX)	IL

Method EPA 9036 Rev: 0

Sulfate	IL

Method EPA 9040B Rev: 2

pH	IL

Method EPA 9050A Rev: 1

Conductivity	IL

Method EPA 9060A

Total organic carbon	IL

Method EPA 9065 Rev: 0

Total phenolics	IL

Field of Testing /Matrix: ***RCRA (Non Potable Water)***

Method EPA 9066 Rev: 0

Total phenolics IL

Method EPA 9095A

Paint Filter Test IL

Method EPA 9214 Rev: 0

Fluoride IL

Method EPA 9251 Rev: 0

Chloride IL

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

Method EPA 1010A	
Ignitability	IL
Method EPA 1020B	
Ignitability	IL
Method EPA 1311 Rev: 0	
Toxicity Characteristic Leaching Procedure (TCLP)	IL
Method EPA 1312 Rev: 0	
Synthetic Precipitation Leaching Procedure (SPLP)	IL
Method EPA 6010B Rev: 2	
Aluminum	IL
Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Boron	IL
Cadmium	IL
Calcium	IL
Chromium	IL
Cobalt	IL
Copper	IL
Iron	IL
Lead	IL
Lithium	IL
Magnesium	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Phosphorus	IL
Potassium	IL
Selenium	IL
Silver	IL
Sodium	IL
Strontium	IL
Thallium	IL
Tin	IL
Titanium	IL
Vanadium	IL
Zinc	IL
Method EPA 6020A Rev: 1	
Aluminum	IL
Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Boron	IL
Cadmium	IL
Chromium	IL
Cobalt	IL
Copper	IL
Iron	IL

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

Lead	IL
Magnesium	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Potassium	IL
Selenium	IL
Silver	IL
Sodium	IL
Thallium	IL
Vanadium	IL
Zinc	IL

Method EPA 7196A Rev: 1

Chromium VI	IL

Method EPA 7471B

Mercury	IL

Method EPA 8015B Rev: 2

Diesel range organics (DRO)	IL
Ethanol	IL
Ethylene glycol	IL
Isobutyl alcohol (2-Methyl-1-propanol)	IL
Isopropyl alcohol (2-Propanol, Isopropanol)	IL
Methanol	IL
n-Butyl alcohol (1-Butanol, n-Butanol)	IL
n-Propanol (1-Propanol)	IL
tert-Butyl alcohol	IL

Method EPA 8081B

4,4'-DDD	IL
4,4'-DDE	IL
4,4'-DDT	IL
Alachlor	IL
Aldrin	IL
alpha-BHC (alpha-Hexachlorocyclohexane)	IL
alpha-Chlordane, cis-Chlordane	IL
beta-BHC (beta-Hexachlorocyclohexane)	IL
Chlordane (tech.)(N.O.S.)	IL
delta-BHC	IL
Dieldrin	IL
Endosulfan I	IL
Endosulfan II	IL
Endosulfan sulfate	IL
Endrin	IL
Endrin aldehyde	IL
Endrin ketone	IL
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	IL
gamma-Chlordane	IL
Heptachlor	IL
Heptachlor epoxide	IL
Methoxychlor	IL
Toxaphene (Chlorinated camphene)	IL

Method EPA 8082 Rev: 0

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

Aroclor-1016 (PCB-1016)	IL
Aroclor-1221 (PCB-1221)	IL
Aroclor-1232 (PCB-1232)	IL
Aroclor-1242 (PCB-1242)	IL
Aroclor-1248 (PCB-1248)	IL
Aroclor-1254 (PCB-1254)	IL
Aroclor-1260 (PCB-1260)	IL

Method EPA 8151A

2,4,5-T	IL
2,4-D	IL
2,4-DB	IL
3,5-Dichlorobenzoic acid	IL
4-Nitrophenol	IL
Acifluorfen	IL
Bentazon	IL
Chloramben	IL
Dalapon	IL
DCPA di acid degradate	IL
Dicamba	IL
Dichloroprop (Dichlorprop)	IL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	IL
MCPA	IL
MCPP	IL
Pentachlorophenol	IL
Picloram	IL
Silvex (2,4,5-TP)	IL

Method EPA 8260B

1,1,1,2-Tetrachloroethane	IL
1,1,1-Trichloroethane	IL
1,1,2,2-Tetrachloroethane	IL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	IL
1,1,2-Trichloroethane	IL
1,1-Dichloroethane	IL
1,1-Dichloroethylene	IL
1,1-Dichloropropene	IL
1,2,3-Trichlorobenzene	IL
1,2,3-Trichloropropane	IL
1,2,4-Trichlorobenzene	IL
1,2,4-Trimethylbenzene	IL
1,2-Dibromo-3-chloropropane (DBCP)	IL
1,2-Dibromoethane (EDB, Ethylene dibromide)	IL
1,2-Dichlorobenzene (o-Dichlorobenzene)	IL
1,2-Dichloroethane (Ethylene dichloride)	IL
1,2-Dichloropropane	IL
1,3,5-Trimethylbenzene	IL
1,3-Dichlorobenzene	IL
1,3-Dichloropropane	IL
1,4-Dichlorobenzene	IL
1-Chlorobutane	IL
2,2-Dichloropropane	IL
2-Butanone (Methyl ethyl ketone, MEK)	IL

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

2-Chloroethyl vinyl ether	IL
2-Chlorotoluene	IL
2-Hexanone	IL
2-Nitropropane	IL
4-Chlorotoluene	IL
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	IL
4-Methyl-2-pentanone (MIBK)	IL
Acetone	IL
Acetonitrile	IL
Acrolein (Propenal)	IL
Allyl chloride (3-Chloropropene)	IL
Benzene	IL
Bromobenzene	IL
Bromochloromethane	IL
Bromodichloromethane	IL
Bromoform	IL
Carbon disulfide	IL
Carbon tetrachloride	IL
Chlorobenzene	IL
Chlorodibromomethane	IL
Chloroethane (Ethyl chloride)	IL
Chloroform	IL
Chloroprene (2-Chloro-1,3-butadiene)	IL
cis-1,2-Dichloroethylene	IL
cis-1,3-Dichloropropene	IL
cis-1,4-Dichloro-2-butene	IL
Dibromomethane (Methylene bromide)	IL
Dichlorodifluoromethane (Freon-12)	IL
Diethyl ether	IL
Di-isopropylether (DIPE) (Isopropyl Ether)	IL
Ethyl acetate	IL
Ethyl methacrylate	IL
Ethylbenzene	IL
Hexachlorobutadiene	IL
Hexachloroethane	IL
Iodomethane (Methyl iodide)	IL
Isopropylbenzene	IL
m+p-xylene	IL
Methacrylonitrile	IL
Methyl acrylate	IL
Methyl bromide (Bromomethane)	IL
Methyl chloride (Chloromethane)	IL
Methyl methacrylate	IL
Methyl tert-butyl ether (MTBE)	IL
Methylene chloride (Dichloromethane)	IL
m-Xylene	IL
Naphthalene	IL
n-Butylbenzene	IL
Nitrobenzene	IL
n-Propylbenzene	IL
o-Xylene	IL
Pentachloroethane	IL

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

Propionitrile (Ethyl cyanide)	IL
p-Xylene	IL
sec-Butylbenzene	IL
Styrene	IL
tert-Butyl alcohol	IL
tert-Butylbenzene	IL
Tetrachloroethylene (Perchloroethylene)	IL
Tetrahydrofuran (THF)	IL
Toluene	IL
trans-1,2-Dichloroethylene	IL
trans-1,3-Dichloropropylene	IL
trans-1,4-Dichloro-2-butene	IL
Trichloroethene (Trichloroethylene)	IL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	IL
Vinyl acetate	IL
Vinyl chloride	IL
Xylene (total)	IL

Method EPA 8270C Rev: 3

1,2,4-Trichlorobenzene	IL
1,2-Dichlorobenzene (o-Dichlorobenzene)	IL
1,3-Dichlorobenzene	IL
1,4-Dichlorobenzene	IL
1,4-Dioxane (1,4- Diethyleneoxide)	IL
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	IL
2,4,5-Trichlorophenol	IL
2,4,6-Trichlorophenol	IL
2,4-Dichlorophenol	IL
2,4-Dimethylphenol	IL
2,4-Dinitrophenol	IL
2,4-Dinitrotoluene (2,4-DNT)	IL
2,6-Dinitrotoluene (2,6-DNT)	IL
2-Chloronaphthalene	IL
2-Chlorophenol	IL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	IL
2-Methylaniline (o-Toluidine)	IL
2-Methylnaphthalene	IL
2-Methylphenol (o-Cresol)	IL
2-Nitroaniline	IL
2-Nitrophenol	IL
3,3'-Dichlorobenzidine	IL
3-Methylphenol (m-Cresol)	IL
3-Nitroaniline	IL
4-Bromophenyl phenyl ether	IL
4-Chloro-3-methylphenol	IL
4-Chloroaniline	IL
4-Chlorophenyl phenylether	IL
4-Methylphenol (p-Cresol)	IL
4-Nitroaniline	IL
4-Nitrophenol	IL
Acenaphthene	IL
Acenaphthylene	IL
Aniline	IL

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

Anthracene	IL
Benzo(a)anthracene	IL
Benzo(a)pyrene	IL
Benzo(b)fluoranthene	IL
Benzo(g,h,i)perylene	IL
Benzo(k)fluoranthene	IL
Benzoic acid	IL
Benzyl alcohol	IL
bis(2-Chloroethoxy)methane	IL
bis(2-Chloroethyl) ether	IL
bis(2-Ethylhexyl) phthalate (DEHP)	IL
Butyl benzyl phthalate	IL
Carbazole	IL
Chrysene	IL
Dibenz(a,h) anthracene	IL
Dibenzofuran	IL
Diethyl phthalate	IL
Dimethyl phthalate	IL
Di-n-butyl phthalate	IL
Di-n-octyl phthalate	IL
Fluoranthene	IL
Fluorene	IL
Hexachlorobenzene	IL
Hexachlorobutadiene	IL
Hexachlorocyclopentadiene	IL
Hexachloroethane	IL
Indeno(1,2,3-cd) pyrene	IL
Isophorone	IL
Naphthalene	IL
Nitrobenzene	IL
n-Nitrosodiethylamine	IL
n-Nitrosodimethylamine	IL
n-Nitrosodi-n-propylamine	IL
n-Nitrosodiphenylamine	IL
n-Nitrosomethylethylamine	IL
Pentachlorobenzene	IL
Pentachlorophenol	IL
Phenanthrene	IL
Phenol	IL
Pyrene	IL
Pyridine	IL

Method EPA 8270C Mod LVl

Acetochlor	IL
Alachlor	IL
Atrazine	IL
Butylate	IL
Cyanazine	IL
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	IL
Metolachlor	IL
Metribuzin	IL
Pendimethalin (Penoxalin)	IL
Simazine	IL

Field of Testing /Matrix: ***RCRA (Solid & Hazardous Material)***

Trifluralin (Treflan)	IL
Method EPA 9012A Rev: 1	
Cyanide	IL
Method EPA 9014 Rev: 0	
Cyanide	IL
Method EPA 9020B Rev: 2	
Total organic halides (TOX)	IL
Method EPA 9023 Rev: 0	
Extractable organics halides (EOX)	IL
Method EPA 9034 Rev: 0	
Sulfide	IL
Method EPA 9036 Rev: 0	
Sulfate	IL
Method EPA 9045C Rev: 3	
pH	IL
Method EPA 9060A	
Total organic carbon	IL
Method EPA 9065 Rev: 0	
Total phenolics	IL
Method EPA 9214 Rev: 0	
Fluoride	IL

Field of Testing /Matrix: ***SDWA (Potable Water)***

Method EPA 180.1 Rev: 2	
Turbidity	IL
Method EPA 200.7 Rev: 4.4	
Aluminum	IL
Barium	IL
Beryllium	IL
Boron	IL
Cadmium	IL
Calcium	IL
Chromium	IL
Copper	IL
Iron	IL
Magnesium	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Potassium	IL
Silver	IL
Sodium	IL
Vanadium	IL
Zinc	IL
Method EPA 200.8 Rev: 5.4	
Antimony	IL
Arsenic	IL
Barium	IL
Beryllium	IL
Cadmium	IL
Chromium	IL
Copper	IL
Lead	IL
Manganese	IL
Molybdenum	IL
Nickel	IL
Selenium	IL
Silver	IL
Thallium	IL
Zinc	IL
Method EPA 245.1 Rev: 3	
Mercury	IL
Method EPA 335.4 Rev: 1	
Cyanide	IL
Method EPA 353.2 Rev: 2	
Nitrate	IL
Nitrate-nitrite	IL
Method SM 2130 B Rev: 20th ED	
Turbidity	IL
Method SM 2320 B Rev: 23rd ED	
Alkalinity as CaCO3	IL
Method SM 2340 B Rev: 23rd ED	
Hardness	IL

Field of Testing /Matrix: ***SDWA (Potable Water)***

Method SM 2510 B Rev: 21st ED
Conductivity IL

Method SM 2540 C Rev: 23rd ED
Total dissolved solids IL

Method SM 4500-Cl G Rev: 20th ED
Total chlorine IL

Method SM 4500-F^- C Rev: 23rd ED
Fluoride IL

Method SM 4500-H+ B Rev: 21st ED
pH IL

Method SM 4500-$NO2^-$ B Rev: 23rd ED
Nitrite IL

Method SM 4500-P E Rev: 23rd ED
Orthophosphate as P IL

Method SM 4500-SiO2 D Rev: 23rd ED
Silica as SiO2 IL

Method SM 5310 C Rev: 21st ED
Dissolved organic carbon (DOC) IL
Total organic carbon IL

End of Scope of Accreditation