

April 01, 2024

John Cable
Triangle
17855 Elk Prairie Drive
P.O. Box 1026
Rolla, MO 65402
TEL: (573) 364-1864
FAX: (573) 364-4782



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

RE: Drinking Water · Stoutland Schools

WorkOrder: 24030779

Dear John Cable:

TEKLAB, INC received 44 samples on 3/12/2024 8:15:00 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,



Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com



Report Contents

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

Client: Triangle

Work Order: 24030779

Client Project: Drinking Water - Stoutland Schools

Report Date: 01-Apr-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: Triangle

Work Order: 24030779

Client Project: Drinking Water - Stoutland Schools

Report Date: 01-Apr-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: Triangle

Work Order: 24030779

Client Project: Drinking Water Stoutland Schools

Report Date: 01-Apr-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: Triangle

Work Order: 24030779

Client Project: Drinking Water - Stoutland Schools

Report Date: 01-Apr-24

Cooler Receipt Temp: N/A °C

This report was revised on April 1, 2024 per John Cable's request to update the project name Stoutland Schools. Please replace report dated March 28, 2024 with this report. SAH 4/1/24

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Triangle

Work Order: 24030779

Client Project: Drinking Water Stoutland Schools

Report Date: 01-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	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: Triangle

Work Order: 24030779

Client Project: Drinking Water - Stoutland Schools

Report Date: 01-Apr-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									
24030779-001A	1A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 16:55	03/08/2024 0:00
24030779-002A	1B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 16:59	03/08/2024 0:00
24030779-003A	2A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:02	03/08/2024 0:00
24030779-004A	2B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:06	03/08/2024 0:00
24030779-005A	3A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:10	03/08/2024 0:00
24030779-006A	3B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:14	03/08/2024 0:00
24030779-007A	4A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:17	03/08/2024 0:00
24030779-008A	4B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:21	03/08/2024 0:00
24030779-009A	5A	NELAP		0.0010	0.0027	mg/L	1	03/22/2024 17:36	03/08/2024 0:00
24030779-010A	5B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:40	03/08/2024 0:00
24030779-011A	6A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:29	03/09/2024 0:00
24030779-012A	6B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:32	03/09/2024 0:00
24030779-013A	7A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:36	03/09/2024 0:00
24030779-014A	7B	NELAP		0.0010	< 0.0010	mg/L	1	03/23/2024 0:29	03/09/2024 0:00
24030779-015A	8A	NELAP		0.0010	< 0.0010	mg/L	1	03/23/2024 0:33	03/09/2024 0:00
24030779-016A	8B	NELAP		0.0010	< 0.0010	mg/L	1	03/25/2024 20:29	03/09/2024 0:00
24030779-017A	9A	NELAP		0.0010	< 0.0010	mg/L	1	03/23/2024 0:59	03/09/2024 0:00
24030779-018A	9B	NELAP		0.0010	< 0.0010	mg/L	1	03/23/2024 1:02	03/09/2024 0:00
24030779-019A	10A	NELAP		0.0010	< 0.0010	mg/L	1	03/23/2024 1:06	03/09/2024 0:00
24030779-020A	10B	NELAP		0.0010	< 0.0010	mg/L	1	03/23/2024 1:10	03/09/2024 0:00
24030779-021A	ICE	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:44	03/08/2024 0:00
24030779-022A	11A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:55	03/08/2024 0:00
24030779-023A	11B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 17:59	03/08/2024 0:00
24030779-024A	12A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:02	03/08/2024 0:00
24030779-025A	12B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:06	03/08/2024 0:00
24030779-026A	13A	NELAP		0.0010	0.0010	mg/L	1	03/22/2024 18:10	03/08/2024 0:00
24030779-027A	13B	NELAP		0.0010	0.0011	mg/L	1	03/22/2024 18:25	03/08/2024 0:00
24030779-028A	14A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:47	03/08/2024 0:00
24030779-029A	14B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:51	03/08/2024 0:00
24030779-030A	15A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:55	03/08/2024 0:00
24030779-031A	15B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 18:59	03/08/2024 0:00
24030779-032A	16A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 19:14	03/08/2024 0:00
24030779-033A	16B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 19:17	03/08/2024 0:00
24030779-034A	17A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 19:21	03/08/2024 0:00
24030779-035A	17B	NELAP		0.0010	< 0.0010	mg/L	1	03/26/2024 21:40	03/08/2024 0:00
24030779-036A	18A	NELAP		0.0010	0.0016	mg/L	1	03/22/2024 19:36	03/08/2024 0:00
24030779-037A	18B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 19:40	03/08/2024 0:00
24030779-038A	19A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 19:44	03/08/2024 0:00
24030779-039A	19B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 19:47	03/08/2024 0:00
24030779-040A	21A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 20:02	03/08/2024 0:00
24030779-041A	21B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 20:06	03/08/2024 0:00
24030779-042A	ICE 2	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 20:10	03/08/2024 0:00
24030779-043A	20A	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 20:14	03/08/2024 0:00
24030779-044A	20B	NELAP		0.0010	< 0.0010	mg/L	1	03/22/2024 20:18	03/08/2024 0:00



Receiving Check List

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

Client: Triangle

Work Order: 24030779

Client Project: Drinking Water - Scoutland Schools

Report Date: 01-Apr-24

Carrier: FedEx

Received By: EES

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

12-Mar-24

Amber Dilallo

On:

12-Mar-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- 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 - 3/12/2024 9:11:54 AM

20A and 20B received not listed on the COC. Samples will be analyzed. Client was notified of this error via work order summary. - amberdilallo - 3/12/2024 9:23:32 AM

CHAIN OF CUSTODY

pg. ___ of ___ Work order # 24030779

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

Client: Triangle
Address: 17856 Elk Prairie Drive
City / State / Zip: Rolla, MO 65402
Contact: John Cable **Phone:** (573) 364-1864
E-Mail: triangle.environmental@gmail.com **Fax:** _____


Samples on: ICE BLUE ICE NO ICE N/A °C LTG# _____
Preserved in: LAB FIELD **FOR LAB USE ONLY**
Lab Notes: 20A & 20B received not listed on the CDE form
Client Comments: 3/2/24

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No
 Are these samples known to be hazardous? If yes, include details of the hazard. 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

SEE BACK

Project Name/Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED																					
<u>Stoutland School</u>		<u>JOHN CABLE</u>		Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead																	
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 <u>TRIANGLE</u>									# and Type of Containers UNPRES HNO3 NaOH H2SO4 HCl NaOH NaHSO4 OTHER																
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCl	NaOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead										
<u>24030779</u>	<u>1R</u>	<u>3/8/24</u>	<input checked="" type="checkbox"/>														<input checked="" type="checkbox"/>										
<u>002</u>	<u>1B</u>																										
<u>003</u>	<u>2A</u>																										
<u>004</u>	<u>2B</u>																										
<u>005</u>	<u>3A</u>																										
<u>006</u>	<u>3B</u>																										
<u>007</u>	<u>4A</u>																										
<u>008</u>	<u>4B</u>																										
<u>009</u>	<u>5A</u>																										
<u>010</u>	<u>5B</u>																										

Relinquished By: John Cable Date/Time: 3-11-24 12:00 Received By: Emily Sackett Date/Time: FedEx 3/12/24 815
 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.

BottleOrder: 82723 

#030779 $\frac{3}{9}$

- 011 6A
- 012 6B
- 013 7A
- 014 7B
- 015 3A
- 016 8B
- 017 9A
- 018 9B
- 019 10A
- 020 10B

$\frac{3}{8}$

- 021 10E
- 022 11A
- 023 11B
- 024 12A
- 025 12B
- 026 13A
- 027 13B
- 028 14A
- 029 14B

$\frac{3}{8}$

- 030 15A
- 031 15B
- 032 16A
- 033 16B
- 034 17A
- 035 17B
- 036 18A
- 037 18B
- 038 19A
- 039 19B

$\frac{3}{8}$

- 040 21A
- 041 21B
- 042 ICE 2
- 043 20A
- 044 20B

LEADS - DW



John Cole