

February 07, 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
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: RPS-ROLLA HIGH SCHOOL 3rd Floor

WorkOrder: 24011197

Dear John Cable:

TEKLAB, INC received 28 samples on 1/17/2024 2:28:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Triangle

Work Order: 24011197

Client Project: RPS-ROLLA HIGH SCHOOL 3rd Floor

Report Date: 07-Feb-24

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Client: Triangle

Work Order: 24011197

Client Project: RPS-ROLLA HIGH SCHOOL 3rd Floor

Report Date: 07-Feb-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)

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Qualifiers

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

Client: Triangle

Work Order: 24011197

Client Project: RPS-ROLLA HIGH SCHOOL 3rd Floor

Report Date: 07-Feb-24

Cooler Receipt Temp: NA °C

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

Address 8421 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: 24011197

Client Project: RPS-ROLLA HIGH SCHOOL 3rd Floor

Report Date: 07-Feb-24

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



Laboratory Results

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

Client: Triangle

Work Order: 24011197

Client Project: RPS-ROLLA HIGH SCHOOL 3rd Floor

Report Date: 07-Feb-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									
24011197-001A	1-A	NELAP		0.0010	< 0.0010	mg/L	1	02/01/2024 9:30	01/14/2024 12:00
24011197-002A	1-B	NELAP		0.0010	< 0.0010	mg/L	1	02/01/2024 9:34	01/14/2024 12:00
24011197-003A	2-A	NELAP		0.0010	< 0.0010	mg/L	1	02/02/2024 7:31	01/14/2024 12:00
24011197-004A	2-B	NELAP		0.0010	< 0.0010	mg/L	1	02/01/2024 9:42	01/14/2024 12:00
24011197-005A	3-A	NELAP		0.0010	0.0123	mg/L	1	02/01/2024 9:47	01/14/2024 12:00
24011197-006A	3-B	NELAP		0.0010	0.0016	mg/L	1	02/01/2024 9:51	01/14/2024 12:00
24011197-007A	4-A	NELAP		0.0010	0.0110	mg/L	1	02/01/2024 9:55	01/14/2024 12:00
24011197-008A	4-B	NELAP		0.0010	0.0032	mg/L	1	02/01/2024 10:43	01/14/2024 12:00
24011197-009A	5-A	NELAP		0.0010	0.0018	mg/L	1	02/01/2024 10:47	01/14/2024 12:00
24011197-010A	5-B	NELAP		0.0010	< 0.0010	mg/L	1	01/31/2024 9:36	01/14/2024 12:00
24011197-011A	6-A	NELAP		0.0010	0.0019	mg/L	1	01/31/2024 9:40	01/14/2024 12:00
24011197-012A	6-B	NELAP		0.0010	< 0.0010	mg/L	1	01/31/2024 9:43	01/14/2024 12:00
24011197-013A	7-A	NELAP		0.0010	0.0015	mg/L	1	01/31/2024 9:47	01/14/2024 12:00
24011197-014A	7-B	NELAP		0.0010	< 0.0010	mg/L	1	01/31/2024 9:51	01/14/2024 12:00
24011197-015A	8-A	NELAP		0.0010	0.0011	mg/L	1	01/31/2024 9:54	01/14/2024 12:00
24011197-016A	8-B	NELAP		0.0010	< 0.0010	mg/L	1	02/06/2024 16:47	01/14/2024 12:00
24011197-017A	9-A	NELAP		0.0010	0.0018	mg/L	1	02/06/2024 16:51	01/14/2024 12:00
24011197-018A	9-B	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 8:40	01/14/2024 12:00
24011197-019A	10-A	NELAP		0.0010	0.0013	mg/L	1	02/07/2024 8:44	01/14/2024 12:00
24011197-020A	10-B	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 8:48	01/14/2024 12:00
24011197-021A	11-A	NELAP		0.0010	0.0015	mg/L	1	02/07/2024 8:52	01/14/2024 12:00
24011197-022A	11-B	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 8:57	01/14/2024 12:00
24011197-023A	12-A	NELAP		0.0010	0.0021	mg/L	1	02/07/2024 9:57	01/14/2024 12:00
24011197-024A	12-B	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 9:27	01/14/2024 12:00
24011197-025A	13-A	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 9:31	01/14/2024 12:00
24011197-026A	13-B	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 9:36	01/14/2024 12:00
24011197-027A	14-A	NELAP		0.0010	< 0.0010	mg/L	1	02/07/2024 9:40	01/14/2024 12:00
24011197-028A	14-B	NELAP		0.0010	< 0.0010	mg/L	1	02/03/2024 7:30	01/14/2024 12:00



Receiving Check List

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

Client: Triangle

Work Order: 24011197

Client Project: RPS-ROLLA HIGH SCHOOL 3rd Floor

Report Date: 07-Feb-24

Carrier: John Cable

Received By: LEH

Completed by: *Mary E. Kemp*
On: 17-Jan-24
Mary E Kemp

Reviewed by: *Ellie Hopkins*
On: 17-Jan-24
Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

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

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

- | | | | |
|---|---|-----------------------------|---|
| Water – at least one vial per sample has zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory.

Per John Cable, all samples collected on 1/14/24 MEK 1/17/24

1-A	DRINKING WATER	LEAD	1/14/24 @ 1200	24011197-001
1-B	DRINKING WATER	LEAD	12/31/23 @ 1200	002
2-A	DRINKING WATER	LEAD	12/31/23 @ 1200	003
2-B	DRINKING WATER	LEAD	12/31/23 @ 1200	004
3-A	DRINKING WATER	LEAD	12/31/23 @ 1200	005
3-B	DRINKING WATER	LEAD	12/31/23 @ 1200	006
4-A	DRINKING WATER	LEAD	12/31/23 @ 1200	007
4-B	DRINKING WATER	LEAD	12/31/23 @ 1200	008
5-A	DRINKING WATER	LEAD	12/31/23 @ 1200	009
5-B	DRINKING WATER	LEAD	12/31/23 @ 1200	010
6-A	DRINKING WATER	LEAD	12/31/23 @ 1200	011
6-B	DRINKING WATER	LEAD	12/31/23 @ 1200	012
7-A	DRINKING WATER	LEAD	12/31/23 @ 1200	013
7-B	DRINKING WATER	LEAD	12/31/23 @ 1200	014
8-A	DRINKING WATER	LEAD	12/31/23 @ 1200	015
8-B	DRINKING WATER	LEAD	12/31/23 @ 1200	016
9-A	DRINKING WATER	LEAD	12/31/23 @ 1200	017
9-B	DRINKING WATER	LEAD	12/31/23 @ 1200	018
10-A	DRINKING WATER	LEAD	12/31/23 @ 1200	019
10-B	DRINKING WATER	LEAD	12/31/23 @ 1200	020
11-A	DRINKING WATER	LEAD	12/31/23 @ 1200	021
11-B	DRINKING WATER	LEAD	12/31/23 @ 1200	022
12-A	DRINKING WATER	LEAD	12/31/23 @ 1200	023
12-B	DRINKING WATER	LEAD	12/31/23 @ 1200	024
13-A	DRINKING WATER	LEAD	12/31/23 @ 1200	025
13-B	DRINKING WATER	LEAD	12/31/23 @ 1200	026
14-A	DRINKING WATER	LEAD	12/31/23 @ 1200	027
14-B	DRINKING WATER	LEAD	12/31/23 @ 1200	028

