

January 05, 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 Technical Center

WorkOrder: 23121752

Dear John Cable:

TEKLAB, INC received 72 samples on 12/21/2023 1:00:00 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: 23121752

Client Project: RPS-Rolla Technical Center

Report Date: 05-Jan-24

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Client: Triangle

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Client Project: RPS-Rolla Technical Center

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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)

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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/>

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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



Laboratory Results

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Client: Triangle

Work Order: 23121752

Client Project: RPS-Rolla Technical Center

Report Date: 05-Jan-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									
23121752-001A	38-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 19:55	12/18/2023 8:00
23121752-002A	38-B	NELAP		0.0010	0.0011	mg/L	1	12/29/2023 19:46	12/18/2023 8:00
23121752-003A	39-A	NELAP		0.0010	0.0013	mg/L	1	12/29/2023 19:50	12/18/2023 8:00
23121752-004A	39-B	NELAP		0.0010	0.0022	mg/L	1	12/29/2023 20:21	12/18/2023 8:00
23121752-005A	40-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 20:25	12/18/2023 8:00
23121752-006A	40-B	NELAP		0.0010	0.0017	mg/L	1	12/29/2023 20:30	12/18/2023 8:00
23121752-007A	41-A	NELAP		0.0010	0.0040	mg/L	1	12/29/2023 20:34	12/18/2023 8:00
23121752-008A	41-B	NELAP		0.0010	0.0024	mg/L	1	12/29/2023 20:38	12/18/2023 8:00
23121752-009A	42-A	NELAP		0.0010	0.0010	mg/L	1	12/29/2023 20:51	12/18/2023 8:00
23121752-010A	42-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 20:43	12/18/2023 8:00
23121752-011A	43-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 20:47	12/18/2023 8:00
23121752-012A	43-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:18	12/18/2023 8:00
23121752-013A	44-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:22	12/18/2023 8:00
23121752-014A	44-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:48	12/18/2023 8:00
23121752-015A	45-A	NELAP		0.0010	0.0012	mg/L	1	12/29/2023 21:26	12/18/2023 8:00
23121752-016A	45-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:31	12/18/2023 8:00
23121752-017A	46-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:35	12/18/2023 8:00
23121752-018A	46-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:39	12/18/2023 8:00
23121752-019A	47-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 21:44	12/18/2023 8:00
23121752-020A	47-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 22:14	12/18/2023 8:00
23121752-021A	48-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 22:19	12/18/2023 8:00
23121752-022A	48-B	NELAP		0.0010	0.0023	mg/L	1	12/29/2023 22:23	12/18/2023 8:00
23121752-023A	49-A	NELAP		0.0010	0.0011	mg/L	1	12/29/2023 22:27	12/18/2023 8:00
23121752-024A	49-B	NELAP		0.0010	0.0024	mg/L	1	12/29/2023 22:32	12/18/2023 8:00
23121752-025A	50-A	NELAP		0.0010	0.0154	mg/L	1	12/29/2023 22:36	12/18/2023 8:00
23121752-026A	50-B	NELAP		0.0010	0.0067	mg/L	5	12/29/2023 18:00	12/18/2023 8:00
23121752-027A	51-A	NELAP		0.0010	0.0070	mg/L	1	12/29/2023 22:40	12/18/2023 8:00
23121752-028A	51-B	NELAP		0.0010	0.0011	mg/L	1	12/29/2023 23:11	12/18/2023 8:00
23121752-029A	52-A	NELAP		0.0010	0.0045	mg/L	1	12/29/2023 23:15	12/18/2023 8:00
23121752-030A	52-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 23:20	12/18/2023 8:00
23121752-031A	53-A	NELAP		0.0010	0.0011	mg/L	1	12/29/2023 22:45	12/18/2023 8:00
23121752-032A	53-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 23:24	12/18/2023 8:00
23121752-033A	54-A	NELAP		0.0010	0.0145	mg/L	1	12/29/2023 23:28	12/18/2023 8:00
23121752-034A	54-B	NELAP		0.0010	0.0021	mg/L	1	12/29/2023 23:33	12/18/2023 8:00
23121752-035A	55-A	NELAP		0.0010	0.0096	mg/L	1	12/29/2023 23:37	12/18/2023 8:00
23121752-036A	56-A	NELAP		0.0010	0.0100	mg/L	1	12/29/2023 23:41	12/18/2023 8:00
23121752-037A	56-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 0:08	12/18/2023 8:00
23121752-038A	57-A	NELAP		0.0010	0.0088	mg/L	1	12/30/2023 0:12	12/18/2023 8:00
23121752-039A	57-B	NELAP		0.0010	0.0082	mg/L	1	12/30/2023 0:16	12/18/2023 8:00
23121752-040A	58-A	NELAP		0.0010	0.0032	mg/L	1	12/30/2023 0:21	12/18/2023 8:00
23121752-041A	58-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 0:25	12/18/2023 8:00
23121752-042A	59-A	NELAP		0.0010	0.0258	mg/L	1	12/30/2023 0:29	12/18/2023 8:00
23121752-043A	60-A	NELAP		0.0010	0.0027	mg/L	1	12/30/2023 0:34	12/18/2023 8:00
23121752-044A	60-B	NELAP		0.0010	0.0027	mg/L	1	12/30/2023 1:04	12/18/2023 8:00
23121752-045A	61-A	NELAP		0.0010	0.0029	mg/L	1	12/30/2023 1:09	12/18/2023 8:00
23121752-046A	61-B	NELAP		0.0010	0.0037	mg/L	1	12/30/2023 1:13	12/18/2023 8:00
23121752-047A	62-A	NELAP		0.0010	0.0030	mg/L	1	12/30/2023 1:17	12/18/2023 8:00
23121752-048A	62-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 0:38	12/18/2023 8:00



Laboratory Results

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Work Order: 23121752

Client Project: RPS-Rolla Technical Center

Report Date: 05-Jan-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									
23121752-049A	63-A	NELAP		0.0010	0.0023	mg/L	1	12/30/2023 1:22	12/18/2023 8:00
23121752-050A	63-B	NELAP		0.0010	0.0027	mg/L	1	12/30/2023 1:26	12/18/2023 8:00
23121752-051A	64-A	NELAP		0.0010	0.0015	mg/L	1	12/30/2023 1:35	12/18/2023 8:00
23121752-052A	64-B	NELAP		0.0010	0.0016	mg/L	1	12/30/2023 1:30	12/18/2023 8:00
23121752-053A	65-A	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:01	12/18/2023 8:00
23121752-054A	65-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:05	12/18/2023 8:00
23121752-055A	66-A	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:10	12/18/2023 8:00
23121752-056A	66-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:14	12/18/2023 8:00
23121752-057A	67-A	NELAP		0.0010	0.0016	mg/L	1	12/30/2023 2:19	12/18/2023 8:00
23121752-058A	67-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:23	12/18/2023 8:00
23121752-059A	68-A	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:27	12/18/2023 8:00
23121752-060A	68-B	NELAP		0.0010	0.0011	mg/L	1	12/30/2023 2:32	12/18/2023 8:00
23121752-061A	69-A	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 2:36	12/18/2023 8:00
23121752-062A	69-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 3:24	12/18/2023 8:00
23121752-063A	70-A	NELAP		0.0010	< 0.0010	mg/L	1	01/02/2024 10:23	12/18/2023 8:00
23121752-064A	70-B	NELAP		0.0010	< 0.0010	mg/L	1	01/02/2024 10:27	12/18/2023 8:00
23121752-065A	71-A	NELAP		0.0010	0.0017	mg/L	1	01/02/2024 10:53	12/18/2023 8:00
23121752-066A	71-B	NELAP		0.0010	0.0024	mg/L	1	01/02/2024 10:32	12/18/2023 8:00
23121752-067A	72-A	NELAP		0.0010	0.0027	mg/L	1	01/02/2024 10:36	12/18/2023 8:00
23121752-068A	72-B	NELAP		0.0010	0.0020	mg/L	1	01/02/2024 10:40	12/18/2023 8:00
23121752-071A	55-B	NELAP		0.0010	< 0.0010	mg/L	1	01/02/2024 10:45	12/18/2023 8:00
23121752-072A	59-B	NELAP		0.0010	0.0097	mg/L	1	01/02/2024 10:49	12/18/2023 8:00



Quality Control Results

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EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 216481		SampType: MBLK		Units mg/L							
SampID: MBLK-216481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		< 0.0010	0.0002	0	0	-100	100	12/29/2023	

Batch 216481		SampType: LCS		Units mg/L							
SampID: LCS-216481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		0.0464	0.0500	0	92.9	85	115	12/29/2023	

Batch 216481		SampType: MS		Units mg/L							
SampID: 23121748-059AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.124	0.1000	0.002527	121.9	70	130	01/02/2024	

Batch 216481		SampType: MSD		Units mg/L							
SampID: 23121748-059AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.116	0.1000	0.002527	113.7	0.1244	6.83	01/02/2024	

Batch 216481		SampType: MS		Units mg/L							
SampID: 23121752-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.119	0.1000	0.0003294	119.1	70	130	12/29/2023	

Batch 216481		SampType: MSD		Units mg/L							
SampID: 23121752-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.120	0.1000	0.0003294	119.8	0.1195	0.55	12/29/2023	

Batch 216484		SampType: MBLK		Units mg/L							
SampID: MBLK-216484											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		< 0.0010	0.0002	0	0	-100	100	12/29/2023	

Batch 216484		SampType: LCS		Units mg/L							
SampID: LCS-216484											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		0.0464	0.0500	0	92.9	85	115	12/29/2023	



Quality Control Results

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EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 216484		SampType: MS		Units mg/L							
SampID: 23121752-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.116	0.1000	0.001025	115.0	70	130	12/29/2023	

Batch 216484		SampType: MSD		Units mg/L							
SampID: 23121752-009AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.115	0.1000	0.001025	113.8	0.1160	0.98	12/29/2023	

Batch 216484		SampType: MS		Units mg/L							
SampID: 23121752-014AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.121	0.1000	0	121.3	70	130	12/29/2023	

Batch 216484		SampType: MSD		Units mg/L							
SampID: 23121752-014AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.125	0.1000	0	124.9	0.1213	2.87	12/29/2023	

Batch 216485		SampType: MBLK		Units mg/L							
SampID: MBLK-216485											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		< 0.0010	0.0002	0	0	-100	100	12/29/2023	

Batch 216485		SampType: LCS		Units mg/L							
SampID: LCS-216485											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		0.0464	0.0500	0	92.9	85	115	12/29/2023	

Batch 216485		SampType: MS		Units mg/L							
SampID: 23121752-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.109	0.1000	0.001078	107.6	70	130	12/29/2023	

Batch 216485		SampType: MSD		Units mg/L							
SampID: 23121752-031AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.113	0.1000	0.001078	112.2	0.1086	4.23	12/29/2023	



Quality Control Results

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

Client: Triangle

Work Order: 23121752

Client Project: RPS-Rolla Technical Center

Report Date: 05-Jan-24

EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 216485		SampType: MS		Units mg/L							
SampID: 23121752-036AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.132	0.1000	0.01001	122.3	70	130	12/29/2023	

Batch 216485		SampType: MSD		Units mg/L							
SampID: 23121752-036AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.131	0.1000	0.01001	120.8	0.1323	1.13	12/29/2023	

Batch 216486		SampType: MBLK		Units mg/L							
SampID: MBLK-216486											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		< 0.0010	0.0002	0	0	-100	100	12/29/2023	

Batch 216486		SampType: LCS		Units mg/L							
SampID: LCS-216486											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010		0.0464	0.0500	0	92.9	85	115	12/29/2023	

Batch 216486		SampType: MS		Units mg/L							
SampID: 23121752-048AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.105	0.1000	0	105.0	70	130	12/30/2023	

Batch 216486		SampType: MSD		Units mg/L							
SampID: 23121752-048AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.114	0.1000	0	113.6	0.1050	7.87	12/30/2023	

Batch 216486		SampType: MS		Units mg/L							
SampID: 23121752-051AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.119	0.1000	0.001511	117.4	70	130	12/30/2023	

Batch 216486		SampType: MSD		Units mg/L							
SampID: 23121752-051AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.120	0.1000	0.001511	118.3	0.1189	0.79	12/30/2023	



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EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 216488		SampType: MBLK		Units mg/L						
SampID: MBLK-216488										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		< 0.0010	0.0002	0	0	-100	100	12/29/2023

Batch 216488		SampType: LCS		Units mg/L						
SampID: LCS-216488										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		0.0464	0.0500	0	92.9	85	115	12/29/2023

Batch 216488		SampType: MS		Units mg/L						
SampID: 23121747-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	0.102	0.1000	0.001077	100.6	70	130	12/30/2023

Batch 216488		SampType: MSD		Units mg/L						
SampID: 23121747-004AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010	E	0.121	0.1000	0.001077	120.3	0.1017	17.67	12/30/2023

Batch 216488		SampType: MS		Units mg/L						
SampID: 23121752-065AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	0.109	0.1000	0.001710	107.6	70	130	01/02/2024

Batch 216488		SampType: MSD		Units mg/L						
SampID: 23121752-065AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010	E	0.126	0.1000	0.001710	123.9	0.1093	13.92	01/02/2024

Batch 216622		SampType: MBLK		Units mg/L						
SampID: MBLK-216622										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		< 0.0010	0.0002	0	0	-100	100	12/29/2023

Batch 216622		SampType: LCS		Units mg/L						
SampID: LCS-216622										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	0.510	0.5000	0	102.1	85	115	12/29/2023



Quality Control Results

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Client: Triangle

Work Order: 23121752

Client Project: RPS-Rolla Technical Center

Report Date: 05-Jan-24

EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 216622		SampType: MS		Units mg/L							Date Analyzed
SampID: 23121562-012AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		0.0010		0.443	0.5000	0.005890	87.5	70	130	12/29/2023	

Batch 216622		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23121562-012AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Lead		0.0010		0.450	0.5000	0.005890	88.8	0.4432	1.52	12/29/2023		

Batch 216622		SampType: MS		Units mg/L							Date Analyzed
SampID: 23121781-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		0.0010	E	0.597	0.5000	0.02022	115.4	70	130	01/04/2024	

Batch 216622		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23121781-016AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Lead		0.0010	E	0.548	0.5000	0.02072	105.5	0.5971	8.55	01/04/2024		



Receiving Check List

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

Client: Triangle

Work Order: 23121752

Client Project: RPS-Rolla Technical Center

Report Date: 05-Jan-24

Carrier: Employee

Received By: HAW

Completed by:

Reviewed by:

On:

21-Dec-23

Hannah Walker

On:

21-Dec-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- 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. - hwalker - 12/21/2023 2:06:23 PM

59-B received but not listed on CoC. 73-A and 73-B not received. - AMD/ERH 12/21/23

CHAIN OF CUSTODY

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

Client: TRIANGLE ENVIRONMENTAL SCIENCE AND ENGINEERING
 Address: PO BOX 1026
 City/State/Zip: ROLLA, MO 65402
 Contact: JOHN CABLE Phone: 573 308 0140
 Email: TRIANGLE.ENVIRONMENTAL Fax: @GMAIL.COM

Samples on: ICE BLUE ICE NO ICE N/A °C
 Preserved In: LAB FIELD FOR LAB USE ONLY
 LAB NOTES: 55-B & 59-B sample received not listed on LOC. HW 12/21 B-A & B-B not received _{Em 12/21/23}

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

Client Comments:

PROJECT NAME/NUMBER: RPS-Rolla Technical Center
 SAMPLE COLLECTOR'S NAME: JOHN W CABLE


RESULTS REQUESTED: Standard 1-2 Day (100% Surcharge) Other 3 Day (50% Surcharge)
 BILLING INSTRUCTIONS: TRIANGLE

# and Type of Containers								INDICATE ANALYSIS REQUESTED												
UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other												

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water

Relinquished By	Date/Time	Received By	Date/Time
JOHN W CABLE <i>[Signature]</i>	12/21/23 @ 2:00pm 1:00pm	<i>[Signature]</i>	12/21/23 1400

*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



1-A	DRINKING WATER	LEAD	12/18/23 @ 0800
1-B	DRINKING WATER	LEAD	12/18/23 @ 0800
2-A	DRINKING WATER	LEAD	12/18/23 @ 0800
2-B	DRINKING WATER	LEAD	12/18/23 @ 0800
3-A	DRINKING WATER	LEAD	12/18/23 @ 0800
3-B	DRINKING WATER	LEAD	12/18/23 @ 0800
4-A	DRINKING WATER	LEAD	12/18/23 @ 0800
4-B	DRINKING WATER	LEAD	12/18/23 @ 0800
5-A	DRINKING WATER	LEAD	12/18/23 @ 0800
5-B	DRINKING WATER	LEAD	12/18/23 @ 0800
6-A	DRINKING WATER	LEAD	12/18/23 @ 0800
6-B	DRINKING WATER	LEAD	12/18/23 @ 0800
7-A	DRINKING WATER	LEAD	12/18/23 @ 0800
7-B	DRINKING WATER	LEAD	12/18/23 @ 0800
8-A	DRINKING WATER	LEAD	12/18/23 @ 0800
8-B	DRINKING WATER	LEAD	12/18/23 @ 0800
9-A	DRINKING WATER	LEAD	12/18/23 @ 0800
9-B	DRINKING WATER	LEAD	12/18/23 @ 0800
10-A	DRINKING WATER	LEAD	12/18/23 @ 0800
10-B	DRINKING WATER	LEAD	12/18/23 @ 0800
11-A	DRINKING WATER	LEAD	12/18/23 @ 0800
11-B	DRINKING WATER	LEAD	12/18/23 @ 0800
12-A	DRINKING WATER	LEAD	12/18/23 @ 0800
12-B	DRINKING WATER	LEAD	12/18/23 @ 0800
13-A	DRINKING WATER	LEAD	12/18/23 @ 0800
13-B	DRINKING WATER	LEAD	12/18/23 @ 0800
14-A	DRINKING WATER	LEAD	12/18/23 @ 0800
14-B	DRINKING WATER	LEAD	12/18/23 @ 0800
15-A	DRINKING WATER	LEAD	12/18/23 @ 0800
15-B	DRINKING WATER	LEAD	12/18/23 @ 0800
16-A	DRINKING WATER	LEAD	12/18/23 @ 0800
16-B	DRINKING WATER	LEAD	12/18/23 @ 0800
17-A	DRINKING WATER	LEAD	12/18/23 @ 0800
17-B	DRINKING WATER	LEAD	12/18/23 @ 0800
18-A	DRINKING WATER	LEAD	12/18/23 @ 0800
18-B	DRINKING WATER	LEAD	12/18/23 @ 0800
19-A	DRINKING WATER	LEAD	12/18/23 @ 0800
19-B	DRINKING WATER	LEAD	12/18/23 @ 0800
20-A	DRINKING WATER	LEAD	12/18/23 @ 0800
20-B	DRINKING WATER	LEAD	12/18/23 @ 0800
21-A	DRINKING WATER	LEAD	12/18/23 @ 0800
21-B	DRINKING WATER	LEAD	12/18/23 @ 0800
22-A	DRINKING WATER	LEAD	12/18/23 @ 0800
22-B	DRINKING WATER	LEAD	12/18/23 @ 0800
23-A	DRINKING WATER	LEAD	12/18/23 @ 0800
23-B	DRINKING WATER	LEAD	12/18/23 @ 0800
24-A	DRINKING WATER	LEAD	12/18/23 @ 0800

24-B	DRINKING WATER	LEAD	12/18/23 @ 0800
25-A	DRINKING WATER	LEAD	12/18/23 @ 0800
25-B	DRINKING WATER	LEAD	12/18/23 @ 0800
26-A	DRINKING WATER	LEAD	12/18/23 @ 0800
26-B	DRINKING WATER	LEAD	12/18/23 @ 0800
27-A	DRINKING WATER	LEAD	12/18/23 @ 0800
27-B	DRINKING WATER	LEAD	12/18/23 @ 0800
28-A	DRINKING WATER	LEAD	12/18/23 @ 0800
28-B	DRINKING WATER	LEAD	12/18/23 @ 0800
29-A	DRINKING WATER	LEAD	12/18/23 @ 0800
29-B	DRINKING WATER	LEAD	12/18/23 @ 0800
30-A	DRINKING WATER	LEAD	12/18/23 @ 0800
30-B	DRINKING WATER	LEAD	12/18/23 @ 0800
31-A	DRINKING WATER	LEAD	12/18/23 @ 0800
31-B	DRINKING WATER	LEAD	12/18/23 @ 0800
32-A	DRINKING WATER	LEAD	12/18/23 @ 0800
32-B	DRINKING WATER	LEAD	12/18/23 @ 0800
33-A	DRINKING WATER	LEAD	12/18/23 @ 0800
33-B	DRINKING WATER	LEAD	12/18/23 @ 0800
34-A	DRINKING WATER	LEAD	12/18/23 @ 0800
34-B	DRINKING WATER	LEAD	12/18/23 @ 0800
35-A	DRINKING WATER	LEAD	12/18/23 @ 0800
35-B	DRINKING WATER	LEAD	12/18/23 @ 0800
36-A	DRINKING WATER	LEAD	12/18/23 @ 0800
36-B	DRINKING WATER	LEAD	12/18/23 @ 0800
37-A	DRINKING WATER	LEAD	12/18/23 @ 0800
37-B	DRINKING WATER	LEAD	12/18/23 @ 0800

372175238-A	DRINKING WATER	LEAD	12/18/23 @ 0800
001-05238-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-00339-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-00439-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-00540-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-00640-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-00741-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-00841-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-00942-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-01042-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-01143-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-01243-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-01344-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-01444-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-01545-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-01645-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-01746-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-01846-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-01947-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-02047-B	DRINKING WATER	LEAD	12/18/23 @ 0800

23121752

-021 48-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-022 48-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-023 49-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-024 49-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-025 50-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-026 50-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-027 51-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-028 51-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-029 52-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-030 52-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-031 53-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-032 53-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-033 54-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-034 54-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-035 55-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-036 56-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-037 56-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-038 57-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-039 57-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-040 58-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-041 58-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-042 59-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-043 59-B-072	DRINKING WATER	LEAD	12/18/23 @ 0800
-044 60-A-043	DRINKING WATER	LEAD	12/18/23 @ 0800
-045 60-B-044	DRINKING WATER	LEAD	12/18/23 @ 0800
-046 61-A-045	DRINKING WATER	LEAD	12/18/23 @ 0800
-047 61-B-046	DRINKING WATER	LEAD	12/18/23 @ 0800
-048 62-A-047	DRINKING WATER	LEAD	12/18/23 @ 0800
-049 62-B-048	DRINKING WATER	LEAD	12/18/23 @ 0800
-050 63-A-049	DRINKING WATER	LEAD	12/18/23 @ 0800
-051 63-B-050	DRINKING WATER	LEAD	12/18/23 @ 0800
-052 64-A-051	DRINKING WATER	LEAD	12/18/23 @ 0800
-053 64-B-052	DRINKING WATER	LEAD	12/18/23 @ 0800
-054 65-A-053	DRINKING WATER	LEAD	12/18/23 @ 0800
-055 65-B-054	DRINKING WATER	LEAD	12/18/23 @ 0800
-056 66-A-055	DRINKING WATER	LEAD	12/18/23 @ 0800
-057 66-B-056	DRINKING WATER	LEAD	12/18/23 @ 0800
-058 67-A-57	DRINKING WATER	LEAD	12/18/23 @ 0800
-059 67-B-58	DRINKING WATER	LEAD	12/18/23 @ 0800
-060 68-A-59	DRINKING WATER	LEAD	12/18/23 @ 0800
-061 68-B-060	DRINKING WATER	LEAD	12/18/23 @ 0800
-062 69-A-061	DRINKING WATER	LEAD	12/18/23 @ 0800
-063 69-B-062	DRINKING WATER	LEAD	12/18/23 @ 0800
-064 70-A-063	DRINKING WATER	LEAD	12/18/23 @ 0800
-065 70-B-064	DRINKING WATER	LEAD	12/18/23 @ 0800
-066 71-A-065	DRINKING WATER	LEAD	12/18/23 @ 0800
-067 71-B-066	DRINKING WATER	LEAD	12/18/23 @ 0800

FRH
12/21/23

23121752

008	72-A-007	DRINKING WATER	LEAD	12/18/23 @ 0800
009	72-B-008	DRINKING WATER	LEAD	12/18/23 @ 0800
070	73-A-009	DRINKING WATER	LEAD	12/18/23 @ 0800
071	73-B-010	DRINKING WATER	LEAD	12/18/23 @ 0800

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

55B -071

FRH
12/18/23

23121752
75141481