

January 08, 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: 23121748

Dear John Cable:

TEKLAB, INC received 74 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: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-24

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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)



Case Narrative

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

Client: Triangle

Work Order: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-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: 23121748

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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		1/31/2024	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: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-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									
23121748-001A	1-A	NELAP		0.0010	0.0036	mg/L	1	01/02/2024 8:34	12/18/2023 8:00
23121748-002A	1-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:14	12/18/2023 8:00
23121748-003A	2-A	NELAP		0.0010	0.0015	mg/L	1	12/29/2023 11:43	12/18/2023 8:00
23121748-004A	2-B	NELAP		0.0010	0.0326	mg/L	5	12/29/2023 17:15	12/18/2023 8:00
23121748-005A	3-A	NELAP		0.0010	0.0053	mg/L	1	12/29/2023 11:48	12/18/2023 8:00
23121748-006A	3-B	NELAP		0.0010	0.0050	mg/L	1	12/29/2023 11:52	12/18/2023 8:00
23121748-007A	4-A	NELAP		0.0010	0.0053	mg/L	1	12/29/2023 11:56	12/18/2023 8:00
23121748-008A	4-B	NELAP		0.0010	0.0040	mg/L	1	12/29/2023 12:01	12/18/2023 8:00
23121748-009A	5-A	NELAP		0.0010	0.0029	mg/L	1	01/02/2024 8:38	12/18/2023 8:00
23121748-010A	5-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 12:09	12/18/2023 8:00
23121748-011A	6-A	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 7:11	12/18/2023 8:00
23121748-012A	6-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 5:44	12/18/2023 8:00
23121748-013A	7-A	NELAP		0.0010	0.0014	mg/L	1	12/30/2023 5:48	12/18/2023 8:00
23121748-014A	7-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 5:53	12/18/2023 8:00
23121748-015A	8-A	NELAP		0.0010	0.0064	mg/L	1	01/02/2024 8:43	12/18/2023 8:00
23121748-016A	8-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:01	12/18/2023 8:00
23121748-017A	9-A	NELAP		0.0010	0.0024	mg/L	1	12/30/2023 6:06	12/18/2023 8:00
23121748-018A	9-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:10	12/18/2023 8:00
23121748-019A	10-A	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:41	12/18/2023 8:00
23121748-020A	10-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:45	12/18/2023 8:00
23121748-021A	11-A	NELAP		0.0010	0.0018	mg/L	1	12/30/2023 6:49	12/18/2023 8:00
23121748-022A	11-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:54	12/18/2023 8:00
23121748-023A	12-A	NELAP		0.0010	0.0038	mg/L	1	12/29/2023 15:03	12/18/2023 8:00
23121748-024A	12-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 6:58	12/18/2023 8:00
23121748-025A	13-A	NELAP		0.0010	0.0016	mg/L	1	12/30/2023 7:02	12/18/2023 8:00
23121748-026A	13-B	NELAP		0.0010	< 0.0010	mg/L	1	12/30/2023 7:07	12/18/2023 8:00
23121748-027A	14-A	NELAP		0.0010	0.0104	mg/L	1	12/29/2023 14:33	12/18/2023 8:00
23121748-028A	14-B	NELAP		0.0010	0.0012	mg/L	1	12/29/2023 14:37	12/18/2023 8:00
23121748-029A	15-A	NELAP		0.0010	0.0017	mg/L	1	01/02/2024 8:47	12/18/2023 8:00
23121748-030A	15-B	NELAP		0.0010	< 0.0010	mg/L	1	01/05/2024 16:04	12/18/2023 8:00
23121748-031A	16-A	NELAP		0.0010	0.0156	mg/L	1	12/29/2023 14:46	12/18/2023 8:00
23121748-032A	16-B	NELAP		0.0010	0.0022	mg/L	1	12/29/2023 14:50	12/18/2023 8:00
23121748-033A	17-A	NELAP		0.0010	0.0258	mg/L	1	12/29/2023 14:55	12/18/2023 8:00
23121748-034A	17-B	NELAP		0.0010	0.0026	mg/L	1	12/29/2023 14:59	12/18/2023 8:00
23121748-035A	18-A	NELAP		0.0010	0.0245	mg/L	1	12/29/2023 15:29	12/18/2023 8:00
23121748-036A	18-B	NELAP		0.0010	0.0027	mg/L	1	12/29/2023 15:34	12/18/2023 8:00
23121748-037A	19-A	NELAP		0.0010	0.0185	mg/L	1	12/29/2023 15:38	12/18/2023 8:00
23121748-038A	19-B	NELAP		0.0010	0.0020	mg/L	1	12/29/2023 15:42	12/18/2023 8:00
23121748-039A	20-A	NELAP		0.0050	0.0239	mg/L	5	01/04/2024 9:25	12/18/2023 8:00
23121748-040A	20-B	NELAP		0.0010	0.0023	mg/L	1	12/29/2023 15:47	12/18/2023 8:00
23121748-041A	21-A	NELAP		0.0010	0.0228	mg/L	1	12/29/2023 15:51	12/18/2023 8:00
23121748-042A	21-B	NELAP		0.0010	0.0030	mg/L	1	12/29/2023 15:55	12/18/2023 8:00
23121748-043A	22-A	NELAP		0.0010	0.0427	mg/L	1	12/29/2023 16:26	12/18/2023 8:00
23121748-044A	22-B	NELAP		0.0010	0.0026	mg/L	1	12/29/2023 16:30	12/18/2023 8:00
23121748-045A	23-A	NELAP		0.0010	0.0278	mg/L	5	12/29/2023 17:19	12/18/2023 8:00
23121748-046A	23-B	NELAP		0.0010	0.0032	mg/L	1	12/29/2023 16:34	12/18/2023 8:00
23121748-047A	24-A	NELAP		0.0010	0.0218	mg/L	1	12/29/2023 17:53	12/18/2023 8:00
23121748-048A	24-B	NELAP		0.0010	0.0012	mg/L	1	12/29/2023 16:39	12/18/2023 8:00



Laboratory Results

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Client: Triangle

Work Order: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-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									
23121748-049A	25-A	NELAP		0.0010	0.0785	mg/L	5	12/29/2023 17:48	12/18/2023 8:00
23121748-050A	25-B	NELAP		0.0010	0.0168	mg/L	5	12/29/2023 17:52	12/18/2023 8:00
23121748-051A	26-A	NELAP		0.0010	0.0041	mg/L	1	01/02/2024 9:39	12/18/2023 8:00
23121748-052A	26-B	NELAP		0.0010	0.0135	mg/L	5	12/29/2023 17:56	12/18/2023 8:00
23121748-053A	27-A	NELAP		0.0010	0.0019	mg/L	1	01/02/2024 9:44	12/18/2023 8:00
23121748-054A	27-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 16:52	12/18/2023 8:00
23121748-055A	28-A	NELAP		0.0010	0.0020	mg/L	1	12/29/2023 17:22	12/18/2023 8:00
23121748-056A	28-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 17:27	12/18/2023 8:00
23121748-057A	29-A	NELAP		0.0010	0.0030	mg/L	1	01/02/2024 9:48	12/18/2023 8:00
23121748-058A	29-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 17:35	12/18/2023 8:00
23121748-059A	30-A	NELAP		0.0010	0.0025	mg/L	1	01/02/2024 9:57	12/18/2023 8:00
23121748-060A	30-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 17:40	12/18/2023 8:00
23121748-061A	31-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 17:44	12/18/2023 8:00
23121748-062A	31-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 17:48	12/18/2023 8:00
23121748-063A	32-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 18:28	12/18/2023 8:00
23121748-064A	32-B	NELAP		0.0010	0.0048	mg/L	1	12/29/2023 18:32	12/18/2023 8:00
23121748-065A	33-A	NELAP		0.0010	0.0054	mg/L	1	12/29/2023 18:36	12/18/2023 8:00
23121748-066A	33-B	NELAP		0.0010	0.0037	mg/L	1	12/29/2023 18:41	12/18/2023 8:00
23121748-067A	34-A	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 18:45	12/18/2023 8:00
23121748-068A	34-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 18:49	12/18/2023 8:00
23121748-069A	35-A	NELAP		0.0010	0.0029	mg/L	1	01/02/2024 9:53	12/18/2023 8:00
23121748-070A	35-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 19:24	12/18/2023 8:00
23121748-071A	36-A	NELAP		0.0010	0.0021	mg/L	1	12/29/2023 19:29	12/18/2023 8:00
23121748-072A	36-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 19:33	12/18/2023 8:00
23121748-073A	37-A	NELAP		0.0010	0.0029	mg/L	1	12/29/2023 19:37	12/18/2023 8:00
23121748-074A	37-B	NELAP		0.0010	< 0.0010	mg/L	1	12/29/2023 19:42	12/18/2023 8:00



Quality Control Results

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

Client: Triangle

Work Order: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-24

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

Batch 216478		SampType: MBLK		Units mg/L							
SampID: MBLK-216478											
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 216478		SampType: LCS		Units mg/L							
SampID: LCS-216478											
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 216478		SampType: MS		Units mg/L							
SampID: 23121748-023AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.126	0.1000	0.003783	122.1	70	130	12/29/2023	

Batch 216478		SampType: MSD		Units mg/L							
SampID: 23121748-023AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010	E	0.122	0.1000	0.003783	117.9	0.1259	3.41	12/29/2023	

Batch 216478		SampType: MS		Units mg/L							
SampID: 23121748-030AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.100	0.1000	0.0004194	99.7	70	130	01/05/2024	

Batch 216478		SampType: MSD		Units mg/L							
SampID: 23121748-030AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		0.0010		0.0992	0.1000	0.0004194	98.8	0.1001	0.90	01/05/2024	

Batch 216480		SampType: MBLK		Units mg/L							
SampID: MBLK-216480											
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 216480		SampType: LCS		Units mg/L							
SampID: LCS-216480											
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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Client: Triangle

Work Order: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-24

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

Batch 216480		SampType: MS		Units mg/L						
SampID: 23121748-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		0.0771	0.1000	0.0008660	76.2	70	130	12/30/2023

Batch 216480		SampType: MSD		Units mg/L						
SampID: 23121748-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010		0.0741	0.1000	0.0008660	73.2	0.07711	4.01	12/30/2023

Batch 216480		SampType: MS		Units mg/L						
SampID: 23121748-011AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	0.130	0.1000	0.0009073	128.9	70	130	12/30/2023

Batch 216480		SampType: MSD		Units mg/L						
SampID: 23121748-011AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010	E	0.122	0.1000	0.0009073	121.5	0.1298	5.86	12/30/2023

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



Quality Control Results

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

Client: Triangle

Work Order: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-24

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

Batch 216481		SampType: MS		Units mg/L							Date Analyzed
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							RPD Limit: 20	Date Analyzed
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 216482		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-216482											
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 216482		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-216482											
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 216482		SampType: MS		Units mg/L							Date Analyzed
SampID: 23121748-039AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0050	E	0.554	0.5000	0.02390	106.0	70	130	01/04/2024	

Batch 216482		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23121748-039AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Lead		0.0050	E	0.582	0.5000	0.02390	111.6	0.5537	4.99	01/04/2024		

Batch 216482		SampType: MS		Units mg/L							Date Analyzed
SampID: 23121748-047AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.0010	E	0.140	0.1000	0.02184	118.1	70	130	12/29/2023	

Batch 216482		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23121748-047AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Lead		0.0010	E	0.142	0.1000	0.02184	120.6	0.1399	1.77	12/29/2023		



Quality Control Results

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

Client: Triangle

Work Order: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-24

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

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

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

Batch 216622		SampType: MSD		Units mg/L						
SampID: 23121562-012AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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						
SampID: 23121781-016AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	0.597	0.5000	0.02072	115.3	70	130	01/04/2024

Batch 216622		SampType: MSD		Units mg/L						
SampID: 23121781-016AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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: 23121748

Client Project: RPS-Rolla Technical Center

Report Date: 08-Jan-24

Carrier: John Cable

Received By: HAW

Completed by:

Reviewed by:

On:

On:

21-Dec-23

21-Dec-23

Hannah Walker

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 checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | NA <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |

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

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

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

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

CHAIN OF CUSTODY

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

Client: <u>TRIANGLE ENVIRONMENTAL SCIENCE AND ENGINEERING</u> Address: <u>PO BOX 1026</u> City/State/Zip: <u>ROLLA, MO 65402</u> Contact: <u>JOHN CABLE</u> Phone: <u>573 308 0140</u> Email: <u>TRIANGLE.ENVIRONMENTAL</u> Fax: <u>@GMAIL.COM</u>				Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input checked="" type="checkbox"/> NO ICE <u>NA</u> °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY LAB NOTES:			
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Client Comments:			
PROJECT NAME/NUMBER <u>RPS-Rolla Technical Center</u>		SAMPLE COLLECTOR'S NAME <u>JOHN W CABLE</u>		# and Type of Containers		INDICATE ANALYSIS REQUESTED	
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		BILLING INSTRUCTIONS <u>TRIANGLE</u>		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				
Relinquished By <u>JOHN W CABLE</u> <i>[Signature]</i>		Date/Time <u>12/21/23 @ 7:00pm</u> <u>1:00pm</u>		Received By <i>[Signature]</i>		Date/Time <u>12/21/23 1400</u>	

*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

3121748

-001 1-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-002 1-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-003 2-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-004 2-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-005 3-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-006 3-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-007 4-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-008 4-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-009 5-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-010 5-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-011 6-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-012 6-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-013 7-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-014 7-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-015 8-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-016 8-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-017 9-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-018 9-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-019 10-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-020 10-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-021 11-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-022 11-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-023 12-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-024 12-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-025 13-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-026 13-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-027 14-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-028 14-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-029 15-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-030 15-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-031 16-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-032 16-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-033 17-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-034 17-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-035 18-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-036 18-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-037 19-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-038 19-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-039 20-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-040 20-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-041 21-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-042 21-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-043 22-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-044 22-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-045 23-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-046 23-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-047 24-A	DRINKING WATER	LEAD	12/18/23 @ 0800

13121748

-048	24-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-049	25-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-050	25-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-051	26-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-052	26-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-053	27-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-054	27-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-056	28-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-057	28-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-058	29-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-059	29-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-060	30-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-061	30-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-062	31-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-063	31-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-064	32-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-065	32-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-066	33-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-067	33-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-068	34-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-069	34-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-070	35-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-071	35-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-072	36-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-073	36-B	DRINKING WATER	LEAD	12/18/23 @ 0800
-074	37-A	DRINKING WATER	LEAD	12/18/23 @ 0800
-075	37-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	38-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	38-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	39-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	39-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	40-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	40-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	41-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	41-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	42-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	42-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	43-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	43-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	44-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	44-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	45-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	45-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	46-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	46-B	DRINKING WATER	LEAD	12/18/23 @ 0800
	47-A	DRINKING WATER	LEAD	12/18/23 @ 0800
	47-B	DRINKING WATER	LEAD	12/18/23 @ 0800

13121748/13121752

72-A DRINKING WATER LEAD 12/18/23 @ 0800
72-B DRINKING WATER LEAD 12/18/23 @ 0800
73-A DRINKING WATER LEAD 12/18/23 @ 0800
73-B DRINKING WATER LEAD 12/18/23 @ 0800

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

231217481
23121792