



SCI ENGINEERING, INC.

EARTH • SCIENCE • SOLUTIONS

GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

July 13, 2026

Patrick McCart
Rockwood School District
17146 Manchester Road
Grover, Missouri 63040

RE: Lead in Drinking Water Report - Resample
Babler Elementary School
1955 Shepard Road
Glencoe, Missouri
SCI No. 2018-0351.2A Task 200

Dear Patrick McCart:

INTRODUCTION

SCI Engineering, Inc. (SCI) is pleased to submit this report summarizing lead in drinking water testing activities performed on July 13 and November 22, 2023, and subsequent resampling conducted on December 14, 2023, and November 27, 2024. The purpose of the sampling activities was to screen for elevated levels of lead in the drinking water at potable water sources throughout the above-referenced structure.

Following the initial testing, the school district performed remediation on fixtures which previously exceeded the action level. The remediated fixtures were then resampled, the results of which are summarized herein.

The drinking water survey is intended to satisfy the requirements for the “Get the Lead Out of School Drinking Water Act” (GTLOSDWA), Section 160.077 administered by the Missouri Department of Health and Senior Services. Potable water sources to be tested were identified by the school district prior to SCI’s field activities.

LIMITATIONS

SCI’s testing activities were limited to locations identified by the school district. If any additional potable water sources need testing, please contact SCI, and we will make arrangements for testing these fixtures. Potable water sources that were not sampled will need a sign placed near each fixture informing students and faculty that it is not to be used as a drinking water source.

During the course of the sampling activities SCI was able to sample all locations identified by the school district.

DRINKING WATER SURVEY

SCI collected “first draw” samples which consisted of collecting a water sample from each fixture or sample location after it remained stagnant for at least eight hours. Prior to sampling, SCI first mobilized to the site to flush the identified potable water fixtures throughout the structure. Once each fixture was flushed, a sign was placed on the fixture indicating it should not be used. SCI then revisited the site, after a minimum of eight hours, to collect water samples from the fixtures.

On July 13 and November 22, 2023, SCI initially collected 38 drinking water samples (BBES-1 through BBES-38) from various water fixtures located throughout the structure and submitted them for analytical testing. During this sampling event, 6 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. These fixtures were taken out of service until remediation activities could be completed.

During SCI’s resampling event on December 14, 2023, 12 drinking water samples were collected from fixtures which previously exceeded 5.0 micrograms lead per liter of water. In addition to first draw samples, SCI also collected second draw samples during the resampling event. The second draw sample was collected after the first draw sample and consisted of flushing the fixture for approximately 30 seconds and then collecting the sample. The purpose of the second draw sample is to aid in pinpointing any potential lead contamination and determine appropriate remediation. During this sampling event, one sample location exceeded the AL. Further remediation activities were recommended for this fixture.

During SCI’s resampling event on November 27, 2024, 1 drinking water was collected from the fixture which previously exceeded the AL. During this sampling event, the location was below the AL and was returned to service.

All drinking water samples were analyzed for total lead by U.S. EPA Method 200.8. SCI collected a minimum of 250 milliliters of water from each location. Sampled water was containerized in laboratory-provided sample containers and shipped to the accredited lab using standard chain-of-custody procedures.

All drinking water samples were analyzed for lead in accordance with the GTLOSDWA Section 160.077, which establishes an action level (AL) of 5 parts per billion (ppb). The drinking water samples which initially exceeded the AL are identified in Table 1, below. Additionally, the results of SCI’s resampling efforts are included in the right-hand columns below. Results in bold from SCI’s resampling indicate a result greater than the AL. A copy of the analytical test results and chain-of-custody for all samples is enclosed.

Table 1 – Lead in Drinking Water Results

Sample Number	Sample Location	Sample Description	Initial Result (ppb)	Resampling-First Draw (ppb)	Resampling-Second Draw (ppb)	Second Resampling (ppb)
BBES-8	Kitchen Double Sink	Round Sink	360	9.6	<1.0	2.93
BBES-8SVH			42.4	NS		
BBES-8SVC			25.8	NS		
BBES-9	Kitchen Double Sink	Left Sink	25.3	1.5		

NS – Not sampled

Table 1 – Lead in Drinking Water Results (continued)

Sample Number	Sample Location	Sample Description	Initial Result (ppb)	Resampling-First Draw (ppb)	Resampling-Second Draw (ppb)	Second Resampling (ppb)
BBES-12	Kitchen Triple Basin	Left Sink	8.97	4.2	<1.0	NS
BBES-13	Kitchen Triple Basin	Right Sink	11.6	4.7	1.2	NS
BBES-14	Kitchen	Handwash Sink	12.3	2.7	<1.0	NS
BBES-17	Kitchen	Combi-Oven	14.9	<1.0	<1.0	NS

NS – Not sampled

CONCLUSION AND RECOMMENDATIONS

As previously mentioned, no drinking water samples exceeded the AL of 5 ppb. Therefore, all tested fixtures are compliant per GTLOSDWA and should be tested every five years.

Within seven business days after receiving this report, the school district shall contact parents and staff via written notification which shall include the following:

- The test results and a summary that explains such results;
- A description of any remedial steps taken;
- A description of general health effects of lead contamination and community specific resources; and
- If there is not enough water to meet the drinking water needs of the students, teachers, and staff, bottled water shall be provided.

Additionally, within two weeks of receiving this report, the results and any lead remediation plans must be made available on the school's website.

This report, and subsequent annual testing reports, must be submitted to the Missouri Department of Health and Senior Services, Healthy Drinking Water Unit, PO Box 570, Jefferson City, MO 65102-0570.

SCI appreciates the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding the information provided.

Respectfully,

SCI ENGINEERING, INC.



Ethan D. Boyer
Project Scientist



Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/GBK/bmw

Enclosures
Lead Testing Results



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

August 22, 2023

Glenn Grissom
SCI Engineering
130 Point W. Blvd.
St. Charles, MO 63301

RE: 2018-0351.2T-Babler Elementary

Dear Glenn Grissom:

Please find enclosed the analytical results for the **33** sample(s) the laboratory received on **7/19/23 3:30 pm** and logged in under work order **GG03689**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order GG03689

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



ANALYTICAL RESULTS

Sample: GG03689-01
Name: BBES - 01
Matrix: Drinking Water - Grab

Sampled: 07/13/23 21:54
Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 17:00	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-02
Name: BBES - 02
Matrix: Drinking Water - Grab

Sampled: 07/13/23 21:57
Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:40	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-03
Name: BBES - 03
Matrix: Drinking Water - Grab

Sampled: 07/13/23 21:57
Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:47	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-04
Name: BBES - 04
Matrix: Drinking Water - Grab

Sampled: 07/13/23 21:58
Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:49	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-05
Name: BBES - 05
Matrix: Drinking Water - Grab

Sampled: 07/13/23 21:59

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:50	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-06
Name: BBES - 06
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:03

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.48	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:52	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-07
Name: BBES - 07
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:03

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.67	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:54	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-08
Name: BBES - 08
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:06

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	360	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:55	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-09
Name: BBES - 09
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:07

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	25.3	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:57	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-10
Name: BBES - 10
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:08

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.58	ug/L		08/17/23 10:12	1	1.00	08/17/23 15:58	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-11
Name: BBES - 11
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:08

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:00	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-12
Name: BBES - 12
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:11

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	8.97	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:08	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-13
Name: BBES - 13
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:12

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	11.6	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:09	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-14
Name: BBES - 14
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:12

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	12.3	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:11	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-15
Name: BBES - 15
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:17

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.30	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:12	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-16
Name: BBES - 16
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:18

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:14	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-17
Name: BBES - 17
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:19

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	14.9	ug/L		08/15/23 10:38	1	1.00	08/17/23 17:40	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-18
Name: BBES - 18
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:20

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.08	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:15	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-19
Name: BBES - 19
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:21

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:17	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-20
Name: BBES - 20
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:22

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.63	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:18	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-21
Name: BBES - 21
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:23

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:23	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-22
Name: BBES - 22
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:30

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:28	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-23
Name: BBES - 23
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:31

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:29	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-24
Name: BBES - 24
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:41

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:31	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-25
Name: BBES - 25
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:42

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:33	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-26
Name: BBES - 26
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:43

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:34	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-27
Name: BBES - 27
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:45

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:36	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-28
Name: BBES - 28
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:46

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:37	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03689-29
Name: BBES - 29
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:49

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:42	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-30
Name: BBES - 30
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:50

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:43	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-31
Name: BBES - 31
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:55

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:45	KMC	EPA 200.8 REV 5.4
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Sample: GG03689-32
Name: BBES - 32
Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:55

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:50	KMC	EPA 200.8 REV 5.4
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Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

ANALYTICAL RESULTS

Sample: GG03689-33

Name: BBES - 33

Matrix: Drinking Water - Grab

Sampled: 07/13/23 22:56

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Lead	< 1.00	ug/L		08/17/23 10:12	1	1.00	08/17/23 16:51	KMC	EPA 200.8 REV 5.4



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B341157 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341157-BLK1)				Prepared & Analyzed: 08/14/23					
Lead	< 1.00	ug/L							
LCS (B341157-BS1)				Prepared & Analyzed: 08/14/23					
Lead	52.8	ug/L		50.00		106	85-115		
Matrix Spike (B341157-MS1)				Sample: GG03614-22 Prepared & Analyzed: 08/14/23					
Lead	59.5	ug/L		50.00	4.96	109	70-130		
Matrix Spike (B341157-MS2)				Sample: GG03696-03 Prepared & Analyzed: 08/14/23					
Lead	57.9	ug/L		50.00	ND	116	70-130		
Matrix Spike (B341157-MS3)				Sample: GG03696-13 Prepared & Analyzed: 08/14/23					
Lead	49.5	ug/L		50.00	0.198	99	70-130		
Matrix Spike (B341157-MS4)				Sample: GG03696-23 Prepared & Analyzed: 08/14/23					
Lead	50.6	ug/L		50.00	1.04	99	70-130		
Matrix Spike (B341157-MS5)				Sample: GG03696-33 Prepared & Analyzed: 08/14/23					
Lead	53.2	ug/L		50.00	0.798	105	70-130		
Matrix Spike (B341157-MS6)				Sample: GG03542-09 Prepared & Analyzed: 08/14/23					
Lead	148	ug/L		50.00	24.4	248	70-130		
Matrix Spike (B341157-MS7)				Sample: GG03542-19 Prepared & Analyzed: 08/14/23					
Lead	127	ug/L		50.00	0.233	255	70-130		
Matrix Spike (B341157-MS8)				Sample: GG03542-29 Prepared & Analyzed: 08/14/23					
Lead	126	ug/L		50.00	1.86	248	70-130		
Matrix Spike (B341157-MS9)				Sample: GG03614-02 Prepared & Analyzed: 08/14/23					
Lead	120	ug/L		50.00	1.01	237	70-130		
Matrix Spike (B341157-MSA)				Sample: GG03614-12 Prepared & Analyzed: 08/14/23					
Lead	131	ug/L		50.00	3.00	255	70-130		
Matrix Spike (B341157-MSB)				Sample: GG03696-43 Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	49.7	ug/L		50.00	0.556	98	70-130		
Matrix Spike (B341157-MSC)				Sample: GG03710-08 Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	48.8	ug/L		50.00	ND	98	70-130		
Matrix Spike (B341157-MSD)				Sample: GG03710-18 Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	49.5	ug/L		50.00	0.216	99	70-130		
Matrix Spike Dup (B341157-MSD1)				Sample: GG03614-22 Prepared & Analyzed: 08/14/23					
Lead	63.0	ug/L		50.00	4.96	116	70-130	6	20
Matrix Spike Dup (B341157-MSD2)				Sample: GG03696-03 Prepared & Analyzed: 08/14/23					
Lead	53.6	ug/L		50.00	ND	107	70-130	8	20
Matrix Spike Dup (B341157-MSD3)				Sample: GG03696-13 Prepared & Analyzed: 08/14/23					
Lead	50.3	ug/L		50.00	0.198	100	70-130	1	20
Matrix Spike Dup (B341157-MSD4)				Sample: GG03696-23 Prepared & Analyzed: 08/14/23					
Lead	50.1	ug/L		50.00	1.04	98	70-130	1	20
Matrix Spike Dup (B341157-MSD5)				Sample: GG03696-33 Prepared & Analyzed: 08/14/23					
Lead	50.3	ug/L		50.00	0.798	99	70-130	6	20
Matrix Spike Dup (B341157-MSD6)				Sample: GG03542-09 Prepared & Analyzed: 08/14/23					
Lead	153	ug/L		50.00	24.4	256	70-130	3	20
Matrix Spike Dup (B341157-MSD7)				Sample: GG03542-19 Prepared & Analyzed: 08/14/23					
Lead	118	ug/L		50.00	0.233	236	70-130	7	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341157-MSD8)				Sample: GG03542-29		Prepared & Analyzed: 08/14/23			
Lead	122	ug/L		50.00	1.86	241	70-130	3	20
Matrix Spike Dup (B341157-MSD9)				Sample: GG03614-02		Prepared & Analyzed: 08/14/23			
Lead	117	ug/L		50.00	1.01	232	70-130	2	20
Matrix Spike Dup (B341157-MSDA)				Sample: GG03614-12		Prepared & Analyzed: 08/14/23			
Lead	120	ug/L		50.00	3.00	234	70-130	9	20
Matrix Spike Dup (B341157-MSDB)				Sample: GG03696-43		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	50.6	ug/L		50.00	0.556	100	70-130	2	20
Matrix Spike Dup (B341157-MSDC)				Sample: GG03710-08		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	48.2	ug/L		50.00	ND	96	70-130	1	20
Matrix Spike Dup (B341157-MSDD)				Sample: GG03710-18		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	52.5	ug/L		50.00	0.216	105	70-130	6	20
Matrix Spike Dup (B341157-MSDE)				Sample: GG03745-03		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	56.0	ug/L		50.00	5.07	102	70-130	3	20
Matrix Spike Dup (B341157-MSDF)				Sample: GG03722-02		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	53.2	ug/L		50.00	ND	106	70-130	8	20
Matrix Spike (B341157-MSE)				Sample: GG03745-03		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	57.6	ug/L		50.00	5.07	105	70-130		
Matrix Spike (B341157-MSF)				Sample: GG03722-02		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	49.1	ug/L		50.00	ND	98	70-130		
<u>Batch B341274 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341274-BLK1)				Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	< 1.11	ug/L							
LCS (B341274-BS1)				Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	2790	ug/L		2778		100	85-115		
Matrix Spike (B341274-MS1)				Sample: GG04874-30		Prepared: 08/15/23 Analyzed: 08/17/23			
Lead	2810	ug/L		2778	6.83	101	70-130		
Matrix Spike Dup (B341274-MSD1)				Sample: GG04874-30		Prepared: 08/15/23 Analyzed: 08/17/23			
Lead	2820	ug/L		2778	6.83	101	70-130	0.3	20
<u>Batch B341511 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341511-BLK1)				Prepared & Analyzed: 08/17/23					
Lead	< 1.00	ug/L							
LCS (B341511-BS1)				Prepared & Analyzed: 08/17/23					
Lead	53.3	ug/L		50.00		107	85-115		
Matrix Spike (B341511-MS1)				Sample: GG04000-02		Prepared & Analyzed: 08/17/23			
Lead	49.9	ug/L		50.00	0.168	99	70-130		
Matrix Spike (B341511-MS2)				Sample: GG04554-02		Prepared & Analyzed: 08/17/23			
Lead	50.9	ug/L		50.00	0.606	101	70-130		
Matrix Spike (B341511-MS3)				Sample: GH01209-05		Prepared & Analyzed: 08/17/23			
Lead	51.8	ug/L		50.00	0.124	103	70-130		
Matrix Spike (B341511-MS4)				Sample: GH01212-04		Prepared & Analyzed: 08/17/23			
Lead	52.2	ug/L		50.00	0.736	103	70-130		
Matrix Spike (B341511-MS5)				Sample: GH01309-01		Prepared & Analyzed: 08/17/23			
Lead	52.9	ug/L		50.00	0.218	105	70-130		



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B341511-MS6)	Sample: GH01350-09			Prepared & Analyzed: 08/17/23					
Lead	58.6	ug/L		50.00	7.46	102	70-130		
Matrix Spike (B341511-MS7)	Sample: GH01350-19			Prepared & Analyzed: 08/17/23					
Lead	54.3	ug/L		50.00	2.00	105	70-130		
Matrix Spike (B341511-MS8)	Sample: GH01350-29			Prepared & Analyzed: 08/17/23					
Lead	50.8	ug/L		50.00	0.217	101	70-130		
Matrix Spike (B341511-MS9)	Sample: GG03689-02			Prepared & Analyzed: 08/17/23					
Lead	51.2	ug/L		50.00	ND	102	70-130		
Matrix Spike (B341511-MSA)	Sample: GG03689-11			Prepared & Analyzed: 08/17/23					
Lead	51.1	ug/L		50.00	0.992	100	70-130		
Matrix Spike (B341511-MSB)	Sample: GG03689-21			Prepared & Analyzed: 08/17/23					
Lead	54.4	ug/L		50.00	0.666	107	70-130		
Matrix Spike (B341511-MSC)	Sample: GG03689-31			Prepared & Analyzed: 08/17/23					
Lead	54.0	ug/L		50.00	0.492	107	70-130		
Matrix Spike (B341511-MSD)	Sample: GG03931-01			Prepared & Analyzed: 08/17/23					
Lead	50.3	ug/L		50.00	0.584	100	70-130		
Matrix Spike Dup (B341511-MSD1)	Sample: GG04000-02			Prepared & Analyzed: 08/17/23					
Lead	51.1	ug/L		50.00	0.168	102	70-130	2	20
Matrix Spike Dup (B341511-MSD2)	Sample: GG04554-02			Prepared & Analyzed: 08/17/23					
Lead	49.0	ug/L		50.00	0.606	97	70-130	4	20
Matrix Spike Dup (B341511-MSD3)	Sample: GH01209-05			Prepared & Analyzed: 08/17/23					
Lead	52.7	ug/L		50.00	0.124	105	70-130	2	20
Matrix Spike Dup (B341511-MSD4)	Sample: GH01212-04			Prepared & Analyzed: 08/17/23					
Lead	54.5	ug/L		50.00	0.736	108	70-130	4	20
Matrix Spike Dup (B341511-MSD5)	Sample: GH01309-01			Prepared & Analyzed: 08/17/23					
Lead	50.0	ug/L		50.00	0.218	100	70-130	6	20
Matrix Spike Dup (B341511-MSD6)	Sample: GH01350-09			Prepared & Analyzed: 08/17/23					
Lead	59.1	ug/L		50.00	7.46	103	70-130	0.8	20
Matrix Spike Dup (B341511-MSD7)	Sample: GH01350-19			Prepared & Analyzed: 08/17/23					
Lead	55.8	ug/L		50.00	2.00	108	70-130	3	20
Matrix Spike Dup (B341511-MSD8)	Sample: GH01350-29			Prepared & Analyzed: 08/17/23					
Lead	53.9	ug/L		50.00	0.217	107	70-130	6	20
Matrix Spike Dup (B341511-MSD9)	Sample: GG03689-02			Prepared & Analyzed: 08/17/23					
Lead	50.9	ug/L		50.00	ND	102	70-130	0.6	20
Matrix Spike Dup (B341511-MSDA)	Sample: GG03689-11			Prepared & Analyzed: 08/17/23					
Lead	52.3	ug/L		50.00	0.992	103	70-130	2	20
Matrix Spike Dup (B341511-MSDB)	Sample: GG03689-21			Prepared & Analyzed: 08/17/23					
Lead	56.2	ug/L		50.00	0.666	111	70-130	3	20
Matrix Spike Dup (B341511-MSDC)	Sample: GG03689-31			Prepared & Analyzed: 08/17/23					
Lead	52.6	ug/L		50.00	0.492	104	70-130	3	20
Matrix Spike Dup (B341511-MSDD)	Sample: GG03931-01			Prepared & Analyzed: 08/17/23					
Lead	55.2	ug/L		50.00	0.584	109	70-130	9	20



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Chenise Lambert-Sykes, Project Manager





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REGULATORY PROGRAM (CIRCLE):	NPDES
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CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Babler Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>GG03689</u> LOGGED BY: <u>SAB</u> CLIENT: <u>SCI Engineering</u> PROJECT: <u>Drinking Water Lead</u> PROJ. MGR.: <u>Chenise Lambert-Sykes</u> CUSTODY SEAL #:	
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggnissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check		REMARKS	
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHL- LEACHATE OIL- OIL SO- SOIL SOL- SOLID							
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE <i>Glen Grissom</i>									
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED				
BBES-01		7/13/2023	2154	X	DW	1	6	X	X		
BBES-02		7/13/2023	2157	X	DW	1	6	X	X		
BBES-03		7/13/2023	2157	X	DW	1	6	X	X		
BBES-04		7/13/2023	2158	X	DW	1	6	X	X		
BBES-05		7/13/2023	2159	X	DW	1	6	X	X		
BBES-06		7/13/2023	2203	X	DW	1	6	X	X		
BBES-07		7/13/2023	2203	X	DW	1	6	X	X		
BBES-08		7/13/2023	2206	X	DW	1	6	X	X		
BBES-09		7/13/2023	2207	X	DW	1	6	X	X		
BBES-10		7/13/2023	2208	X	DW	1	6	X	X		
BBES-11		7/13/2023	2208	X	DW	1	6	X	X		
CHEMICAL PRESERVATION CODES:		1 - HCL	2 - H2SO4	3 - HNO3	4 - NAOH	5 - NA2S2O3	6 - UNPRESERVED	7 - OTHER			
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____							
7 RELINQUISHED BY: (SIGNATURE) <i>Glen Grissom</i>		DATE 7/17/23	TIME 8:30 AM	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23	TIME 1145	8 COMMENTS: (FOR LAB USE ONLY)			
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/19/23	TIME 1530	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT °C			
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23	TIME 15:30	CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE <i>[Signature]</i>			



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CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Babler Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # <u>GG03689</u> LOGGED BY: <u>STB</u> CLIENT: <u>SCI Engineering</u> PROJECT: <u>Drinking Water Lead</u> PROJ. MGR.: <u>Chenise Lambert-Sykes</u> CUSTODY SEAL #: _____			
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggrissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check				REMARKS			
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHL- LEACHATE OIL- OIL SO- SOIL SOL- SOLID									
CONTACT PERSON Glen Grissom		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED			
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)															
BBES-12		7/13/2023		2211		X		DW		1		6			
BBES-13		7/13/2023		2212		X		DW		1		6			
BBES-14		7/13/2023		2212		X		DW		1		6			
BBES-15		7/13/2023		2217		X		DW		1		6			
BBES-16		7/13/2023		2218		X		DW		1		6			
BBES-17		7/13/2023		2219		X		DW		1		6			
BBES-18		7/13/2023		2220		X		DW		1		6			
BBES-19		7/13/2023		2221		X		DW		1		6			
BBES-20		7/13/2023		2222		X		DW		1		6			
BBES-21		7/13/2023		2223		X		DW		1		6			
BBES-22		7/13/2023		2230		X		DW		1		6			
CHEMICAL PRESERVATION CODES: 1- HCL 2- H2SO4 3- HNO3 4- NAOH 5- NA2S2O3 6- UNPRESERVED 7- OTHER															
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:					DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample performance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____								
RELINQUISHED BY: (SIGNATURE) <i>Glen Grissom</i>		DATE 7/17/23		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23		8 COMMENTS: (FOR LAB USE ONLY)							
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		TIME 8:30 AM		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		TIME 1145		SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____							
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/19/23		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23									
		TIME 1500				TIME 15:30									



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STATE WHERE SAMPLE COLLECTED MO

ALL HIGHLIGHTED AREAS **MUST BE COMPLETED BY CLIENT (PLEASE PRINT)**

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Babler Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN: <u>G-G03689</u> LOGGED BY: <u>SAB</u> CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR: Chenise Lambert-Sykes CUSTODY SEAL #: _____			
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggrissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check				REMARKS			
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHL- LEACHATE OIL- OIL SO- SOLID SOL- SOLID									
CONTACT PERSON Glen Grissom		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED			
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)															
BBES-23		7/13/2023		2231		X		DW		1		6		X X	
BBES-24		7/13/2023		2241		X		DW		1		6		X X	
BBES-25		7/13/2023		2242		X		DW		1		6		X X	
BBES-26		7/13/2023		2243		X		DW		1		6		X X	
BBES-27		7/13/2023		2245		X		DW		1		6		X X	
BBES-28		7/13/2023		2246		X		DW		1		6		X X	
BBES-29		7/13/2023		2249		X		DW		1		6		X X	
BBES-30		7/13/2023		2250		X		DW		1		6		X X	
						X		DW		1		6		X X	
						X		DW		1		6		X X	
						X		DW		1		6		X X	
CHEMICAL PRESERVATION CODES:		1 - HCL		2 - H2SO4		3 - HNO3		4 - NAOH		5 - NA2S2O3		6 - UNPRESERVED		7 - OTHER	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		6 DATE RESULTS NEEDED		7 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____											
7 RELINQUISHED BY: (SIGNATURE) <i>Kieran Kleinhenz</i>		DATE 7/17/23 TIME 8:30 AM		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23 TIME 1:45		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____							
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/19/23 TIME 1:50		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23 TIME 15:30									
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME									

December 07, 2023

Brian Lieb
SCI Engineering, Inc.
130 Point West Boulevard
St. Charles, MO 63301
TEL: (314) 956-8240
FAX: (636) 949-8269



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

RE: 2018-0351.2A T200

WorkOrder: 23111936

Dear Brian Lieb:

TEKLAB, INC received 5 samples on 11/28/2023 11:35:00 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,



Patrick Riley
Project Manager
(618)344-1004 ex 44
patrickriley@teklabinc.com



Report Contents

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

Client: SCI Engineering, Inc.

Work Order: 23111936

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

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: SCI Engineering, Inc.

Work Order: 23111936

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCS D 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: SCI Engineering, Inc.

Work Order: 23111936

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Qualifiers

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



Case Narrative

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

Client: SCI Engineering, Inc.

Work Order: 23111936

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Cooler Receipt Temp: NA °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

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

Client: SCI Engineering, Inc.**Work Order:** 23111936**Client Project:** 2018-0351.2A T200**Report Date:** 07-Dec-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111936

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23111936-001A	BBES-34	NELAP		1.0	< 1.0	µg/L	1	12/04/2023 18:46	11/22/2023 19:32
23111936-002A	BBES-35	NELAP		1.0	1.4	µg/L	1	12/04/2023 18:50	11/22/2023 19:34
23111936-003A	BBES-36	NELAP		1.0	< 1.0	µg/L	1	12/04/2023 19:19	11/22/2023 19:37
23111936-004A	BBES-37	NELAP		1.0	< 1.0	µg/L	1	12/04/2023 18:55	11/22/2023 19:38
23111936-005A	BBES-38	NELAP		1.0	< 1.0	µg/L	1	12/04/2023 19:23	11/22/2023 19:41



Receiving Check List

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

Client: SCI Engineering, Inc.

Work Order: 23111936

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Carrier: Craig McKinney

Received By: HAW

Completed by:

Reviewed by:

On:

On:

28-Nov-23

28-Nov-23

Mary E Kemp

Ellie Hopkins

Pages to follow:

Chain of custody

1

Extra pages included

0

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. - MaryKemp - 11/28/2023 1:19:38 PM

Pg 1 of 1 Workorder #23111936

Client: <u>SCI Engineering INC</u>				Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE <u>NA</u> °C			
Address: <u>130 Point West Blvd</u>				Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u>			
City/State/Zip: <u>Saint Charles/MO/63301</u>				LAB NOTES:			
Contact: <u>Brian Lieb</u> Phone: <u>636-949-8200</u>				Client Comments:			
Email: <u>blieb@sciengineering.com</u> Fax:				Must Meet 5 PPB			
Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☒ No				COURIER			
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							
PROJECT NAME/NUMBER <u>2018-0351.2A T200</u>		SAMPLE COLLECTOR'S NAME <u>E. B. ...</u>		# and Type of Containers			
RESULTS REQUESTED		BILLING INSTRUCTIONS		INDICATE ANALYSIS REQUESTED			
☒ Standard ☐ 1-2 Day (100% Surcharge)		☐ Other ☐ 3 Day (50% Surcharge)					
Lab Use Only		Sample ID		Date/Time Sampled		Matrix	
23111936-001		BBES-34		11/22/23 1932		Drinking Water	
002		BBES-35		11/22/23 1934		Drinking Water	
003		BBES-36		11/22/23 1937		Drinking Water	
004		BBES-37		11/22/23 1938		Drinking Water	
005		BBES-38		11/22/23 1941		Drinking Water	
						Aqueous	
						Aqueous	
						Aqueous	
						Aqueous	
						Aqueous	
						Aqueous	
						Aqueous	
						Aqueous	
Relinquished By		Date/Time		Received By		Date/Time	
<u>[Signature]</u>		<u>11/22/23 2230</u>		<u>[Signature]</u>		<u>11/28/23 102</u>	
		<u>11/28/23 1135</u>		<u>[Signature]</u>		<u>11/28/23 1135</u>	

HW 11/28



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

December 12, 2024

Brian Lieb
SCI Engineering
130 Point W. Blvd.
St. Charles, MO 63301

RE: 2018-0351.2A-T200-BABLER ES

Dear Brian Lieb:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **12/3/24 4:50 pm** and logged in under work order **HL01077**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order HL01077

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

ANALYTICAL RESULTS

Sample: HL01077-01

Name: BBES-8R2

Matrix: Drinking Water - Grab

Sampled: 11/27/24 20:04

Received: 12/03/24 16:50

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
-----------	--------	------	-----------	----------	----------	-----	----------	---------	--------

Total Metals - PIA

Lead	2.93	ug/L		12/11/24 10:05	1	1.00	12/11/24 12:27	BRS	EPA 200.8 REV 5.4
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B450611 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B450611-BLK1)				Prepared & Analyzed: 12/11/24					
Lead	< 1.00	ug/L							
LCS (B450611-BS1)				Prepared & Analyzed: 12/11/24					
Lead	52.9	ug/L		50.00		106	85-115		
Matrix Spike (B450611-MS1)				Prepared & Analyzed: 12/11/24					
Lead	57.8	ug/L		50.00	0.341	115	70-130		
Matrix Spike (B450611-MS2)				Prepared & Analyzed: 12/11/24					
Lead	57.0	ug/L		50.00	3.02	108	70-130		
Matrix Spike (B450611-MS3)				Prepared & Analyzed: 12/11/24					
Lead	58.3	ug/L		50.00	6.95	103	70-130		
Matrix Spike (B450611-MS4)				Prepared & Analyzed: 12/11/24					
Lead	63.7	ug/L		50.00	12.0	103	70-130		
Matrix Spike (B450611-MS5)				Prepared & Analyzed: 12/11/24					
Lead	51.8	ug/L		50.00	0.753	102	70-130		
Matrix Spike (B450611-MS6)				Prepared & Analyzed: 12/11/24					
Lead	75.3	ug/L		50.00	21.6	107	70-130		
Matrix Spike (B450611-MS7)				Prepared & Analyzed: 12/11/24					
Lead	101	ug/L		50.00	45.8	111	70-130		
Matrix Spike (B450611-MS8)				Prepared & Analyzed: 12/11/24					
Lead	72.0	ug/L		50.00	18.1	108	70-130		
Matrix Spike (B450611-MS9)				Prepared & Analyzed: 12/11/24					
Lead	56.6	ug/L		50.00	3.75	106	70-130		
Matrix Spike (B450611-MSA)				Prepared & Analyzed: 12/11/24					
Lead	54.8	ug/L		50.00	1.80	106	70-130		
Matrix Spike (B450611-MSB)				Prepared & Analyzed: 12/11/24					
Lead	53.4	ug/L		50.00	2.56	102	70-130		
Matrix Spike (B450611-MSC)				Prepared & Analyzed: 12/11/24					
Lead	64.3	ug/L		50.00	8.30	112	70-130		
Matrix Spike (B450611-MSD)				Prepared & Analyzed: 12/11/24					
Lead	58.6	ug/L		50.00	0.0280	117	70-130		
Matrix Spike Dup (B450611-MSD1)				Prepared & Analyzed: 12/11/24					
Lead	55.4	ug/L		50.00	0.341	110	70-130	4	20
Matrix Spike Dup (B450611-MSD2)				Prepared & Analyzed: 12/11/24					
Lead	57.0	ug/L		50.00	3.02	108	70-130	0.02	20
Matrix Spike Dup (B450611-MSD3)				Prepared & Analyzed: 12/11/24					
Lead	59.3	ug/L		50.00	6.95	105	70-130	2	20
Matrix Spike Dup (B450611-MSD4)				Prepared & Analyzed: 12/11/24					
Lead	64.4	ug/L		50.00	12.0	105	70-130	1	20
Matrix Spike Dup (B450611-MSD5)				Prepared & Analyzed: 12/11/24					
Lead	53.5	ug/L		50.00	0.753	105	70-130	3	20
Matrix Spike Dup (B450611-MSD6)				Prepared & Analyzed: 12/11/24					
Lead	75.4	ug/L		50.00	21.6	108	70-130	0.08	20
Matrix Spike Dup (B450611-MSD7)				Prepared & Analyzed: 12/11/24					
Lead	96.6	ug/L		50.00	45.8	102	70-130	5	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B450611-MSD8)	Sample: HL01131-04			Prepared & Analyzed: 12/11/24					
Lead	70.6	ug/L		50.00	18.1	105	70-130	2	20
Matrix Spike Dup (B450611-MSD9)	Sample: HL01134-02			Prepared & Analyzed: 12/11/24					
Lead	56.2	ug/L		50.00	3.75	105	70-130	0.7	20
Matrix Spike Dup (B450611-MSDA)	Sample: HL00670-02			Prepared & Analyzed: 12/11/24					
Lead	54.3	ug/L		50.00	1.80	105	70-130	0.9	20
Matrix Spike Dup (B450611-MSDB)	Sample: HL01147-03			Prepared & Analyzed: 12/11/24					
Lead	53.2	ug/L		50.00	2.56	101	70-130	0.3	20
Matrix Spike Dup (B450611-MSDC)	Sample: HL00107-07			Prepared & Analyzed: 12/11/24					
Lead	63.4	ug/L		50.00	8.30	110	70-130	1	20
Matrix Spike Dup (B450611-MSDD)	Sample: HL00109-02			Prepared & Analyzed: 12/11/24					
Lead	63.4	ug/L		50.00	0.0280	127	70-130	8	20
Matrix Spike Dup (B450611-MSDE)	Sample: HL00170-08			Prepared & Analyzed: 12/11/24					
Lead	58.0	ug/L		50.00	2.53	111	70-130	0.6	20
Matrix Spike Dup (B450611-MSDF)	Sample: HL00170-18			Prepared & Analyzed: 12/11/24					
Lead	55.6	ug/L		50.00	0.787	110	70-130	1	20
Matrix Spike Dup (B450611-MSDG)	Sample: HL00183-02			Prepared & Analyzed: 12/11/24					
Lead	51.0	ug/L		50.00	ND	102	70-130	2	20
Matrix Spike Dup (B450611-MSDH)	Sample: HL00174-08			Prepared & Analyzed: 12/11/24					
Lead	54.5	ug/L		50.00	0.656	108	70-130	0.7	20
Matrix Spike Dup (B450611-MSDI)	Sample: HL00169-08			Prepared & Analyzed: 12/11/24					
Lead	59.0	ug/L		50.00	1.02	116	70-130	2	20
Matrix Spike Dup (B450611-MSDJ)	Sample: HL00169-18			Prepared & Analyzed: 12/11/24					
Lead	58.1	ug/L		50.00	0.499	115	70-130	1	20
Matrix Spike Dup (B450611-MSDK)	Sample: HL00302-06			Prepared & Analyzed: 12/11/24					
Lead	57.0	ug/L		50.00	0.0520	114	70-130	0.9	20
Matrix Spike (B450611-MSE)	Sample: HL00170-08			Prepared & Analyzed: 12/11/24					
Lead	57.7	ug/L		50.00	2.53	110	70-130		
Matrix Spike (B450611-MSF)	Sample: HL00170-18			Prepared & Analyzed: 12/11/24					
Lead	56.1	ug/L		50.00	0.787	111	70-130		
Matrix Spike (B450611-MSG)	Sample: HL00183-02			Prepared & Analyzed: 12/11/24					
Lead	50.0	ug/L		50.00	ND	100	70-130		
Matrix Spike (B450611-MSH)	Sample: HL00174-08			Prepared & Analyzed: 12/11/24					
Lead	54.2	ug/L		50.00	0.656	107	70-130		
Matrix Spike (B450611-MSI)	Sample: HL00169-08			Prepared & Analyzed: 12/11/24					
Lead	57.7	ug/L		50.00	1.02	113	70-130		
Matrix Spike (B450611-MSJ)	Sample: HL00169-18			Prepared & Analyzed: 12/11/24					
Lead	58.7	ug/L		50.00	0.499	116	70-130		
Matrix Spike (B450611-MSK)	Sample: HL00302-06			Prepared & Analyzed: 12/11/24					
Lead	57.5	ug/L		50.00	0.0520	115	70-130		



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Chenise Lambert-Sykes, Project Manager



REGULATORY PROGRAM (CIRCLE):	NPDES
	RCRA
MORBCA	
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

CLIENT 1 SCI Engineering ADDRESS 130 Point West Blvd St. Charles, MO 63301 CONTACT PERSON Brian Lieb		PROJECT NUMBER 2018-0351-2A T200 PROJECT LOCATION Babler ES PHONE NUMBER (314) 581-7570 E-MAIL blieb@sciengineering.com		PURCHASE ORDER # DATE SHIPPED MATRIX TYPES: WW-WASTEWATER DW-DRAINING WATER GW-GROUND WATER WWEL-SLUDGE WWEL-INDUSTRIAL WASTE LW-LEACHATE OL-OIL SOL-SOLID		ANALYSIS REQUESTED 3 Turb Check DW Pb X X		(FOR LAB USE ONLY) 4 LOGIN # <u>AL0107</u> LOGGED BY: <u>WJ</u> CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #: _____							
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) BBES-8R2		DATE COLLECTED 11/27/24		TIME COLLECTED 2004		SAMPLE TYPE GRAB X COMP		MATRIX TYPE DW		BOTTLE COUNT 1		PRES CODE 6		REMARKS	
TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) NORMAL RUSH RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE 11/27/24		TIME 1650		RECEIVED BY: (SIGNATURE) 		RECEIVED BY: (SIGNATURE) 		RECEIVED BY: (SIGNATURE) 		DATE 11/27/24		TIME 1650	
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ENV-FRM-PEOR-0098 v02_Sample Condition Upon Receipt



Client Name: SCI Engineering

Work Order #: _____

Completed by Initials/Date: CRB 12-3-20 1650

Sample Intake Notes:

Custody Seal Present on Package(s) If yes, was seal intact	Yes ☒ No ☐	
Samples received within temperature compliance	Yes ☐ No ☒ N/A	
Was Project Manager contacted if samples were received out of temperature compliance	Yes ☐ No ☐	
Chain of Custody Present	☒ Yes ☐ No	
Current PACE CoC Submitted	☒ Yes ☐ No	
Rush Turn Around Time Requested	Yes ☐ No ☒	
CoC is Legible	☒ Yes ☐ No	
Sampler Name Present	☒ Yes ☐ No	
Sampler Signature Present	☒ Yes ☐ No	
USDA Regulated Soil	Yes ☐ No ☒ N/A	
Country of Origin	Yes ☐ No ☐	
State of Origin		
Unique Sample ID's Present on CoC (If not, Note Container ID's & Contact Project Manager)	☒ Yes ☐ No	
Container(s) Received Intact (If not, Note & Contact Project Manager)	☒ Yes ☐ No	
Containers Received Labeled	☒ Yes ☐ No	
Container Labels are Legible	☒ Yes ☐ No	
Sample Collection Date Present on CoC	☒ Yes ☐ No	
Sample Collection Time Present on CoC	☒ Yes ☐ No	
CoC Relinquished by Client	☒ Yes ☐ No	
CoC and Sample Container Labels Match <u>CRB</u>	☒ Yes ☐ No	<u>VE-9R27 9R3</u>
Appropriate Bottles	☒ Yes ☐ No	
Sufficient Sample Volume	☒ Yes ☐ No	
Zero Headspace (<6 mm or no bubbles) present in VOA vials (If headspace is present, note sample ID and # of vials)	Yes ☐ No ☒ N/A	
Trip Blank(s) Received	Yes ☐ No ☒ N/A	
If present, are they Listed on CoC	Yes ☐ No ☐	
All (Non-Field) Analysis Received Within Hold Times	Yes ☐ No ☐	
Short Hold Time Analysis Requested (48 Hours or Less)	Yes ☐ No ☐	
Case Narrative Needed	Yes ☐ No ☐	

Client Notification/Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

December 21, 2023

Brian Lieb
SCI Engineering, Inc.
130 Point West Boulevard
St. Charles, MO 63301
TEL: (314) 956-8240
FAX: (636) 949-8269



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

RE: Babler Elem 2018-0351.2A

WorkOrder: 23121226

Dear Brian Lieb:

TEKLAB, INC received 12 samples on 12/14/2023 3:45:00 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,



Patrick Riley
Project Manager
(618)344-1004 ex 44
patrickriley@teklabinc.com

Client: SCI Engineering, Inc.

Work Order: 23121226

Client Project: Babler Elem 2018-0351.2A

Report Date: 21-Dec-23

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: SCI Engineering, Inc.**Work Order:** 23121226**Client Project:** Babler Elem 2018-0351.2A**Report Date:** 21-Dec-23**Abbr Definition**

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Client: SCI Engineering, Inc.

Work Order: 23121226

Client Project: Babler Elem 2018-0351.2A

Report Date: 21-Dec-23

Qualifiers

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



Case Narrative

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

Client: SCI Engineering, Inc.

Work Order: 23121226

Client Project: Babler Elem 2018-0351.2A

Report Date: 21-Dec-23

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

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

Client: SCI Engineering, Inc.**Work Order:** 23121226**Client Project:** Babler Elem 2018-0351.2A**Report Date:** 21-Dec-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: SCI Engineering, Inc.

Work Order: 23121226

Client Project: Babler Elem 2018-0351.2A

Report Date: 21-Dec-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23121226-001A	BBES-8R	NELAP		1.0	9.6	µg/L	1	12/19/2023 2:40	12/14/2023 1:11
23121226-002A	BBES-8(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 3:09	12/14/2023 1:12
23121226-003A	BBES-9R	NELAP		1.0	1.5	µg/L	1	12/19/2023 2:44	12/14/2023 1:13
23121226-004A	BBES-9(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 2:48	12/14/2023 1:14
23121226-005A	BBES-12R	NELAP		1.0	4.2	µg/L	1	12/19/2023 2:52	12/14/2023 1:15
23121226-006A	BBES-12(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 2:56	12/14/2023 1:16
23121226-007A	BBES-13R	NELAP		1.0	4.7	µg/L	1	12/19/2023 3:00	12/14/2023 1:18
23121226-008A	BBES-13(2nd)	NELAP		1.0	1.2	µg/L	1	12/19/2023 14:40	12/14/2023 1:18
23121226-009A	BBES-14R	NELAP		1.0	2.7	µg/L	1	12/19/2023 3:04	12/14/2023 1:20
23121226-010A	BBES-14(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 3:34	12/14/2023 1:20
23121226-011A	BBES-17R	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 3:38	12/14/2023 1:22
23121226-012A	BBES-17(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 3:42	12/14/2023 1:23

Client: SCI Engineering, Inc.

Work Order: 23121226

Client Project: Babler Elem 2018-0351.2A

Report Date: 21-Dec-23

Carrier: Craig McKinney

Received By: LM

Completed by:

On:

14-Dec-23

Amber Dilallo

Reviewed by:

On:

14-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 **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.

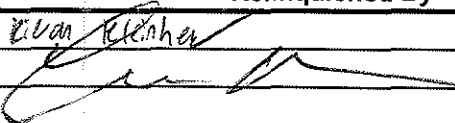
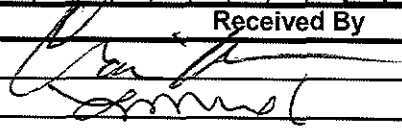
Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 12/14/2023 4:25:26 PM

CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 23121226

3

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

Client: <u>SCI Engineering</u> Address: <u>130 Point W Blvd</u> City/State/Zip: <u>63301</u> Contact: <u>Brian Lieb</u> Phone: _____ Email: <u>blieb@sciengineering.com</u> Fax: _____				Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE <u>N/A</u> °C Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES:			
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: RUSH <u>5 ppb reporting limit</u>			
PROJECT NAME/NUMBER <u>Babier Elem 2018-0351.2A</u>		SAMPLE COLLECTOR'S NAME <u>Kieran Kleinhertz</u>		# and Type of Containers		INDICATE ANALYSIS REQUESTED	
RESULTS REQUESTED ☐ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other ☐ 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other Total check Total lead		COURIER	
Lab Use Only	Sample ID	Date/Time Sampled	Matrix				
	23121226-001 BBES-8 R	12/14/23 01:11	Aqueous	1			X X
	002 BBES-8 (2nd)	12/14/23 01:12	Aqueous	1			X X
	003 BBES-9 R	12/14/23 01:13	Aqueous	1			X X
	004 BBES-9 (2nd)	12/14/23 01:14	Aqueous	1			X X
	005 BBES-12 R	12/14/23 01:15	Aqueous	1			X X
	006 BBES-12 (2nd)	12/14/23 01:16	Aqueous	1			X X
	007 BBES-13 R	12/14/23 01:18	Aqueous	1			X X
	008 BBES-13 (2nd)	12/14/23 01:18	Aqueous	1			X X
	009 BBES-14 R	12/14/23 01:20	Aqueous	1			X X
	010 BBES-14 (2nd)	12/14/23 01:20	Aqueous	1			X X
	011 BBES-17 R	12/14/23 01:22	Aqueous	1			X X
Relinquished By		Date/Time		Received By		Date/Time	
		<u>12/14/23 14:00</u> <u>12/14/23 1545</u>				<u>12/14/23 1500</u> <u>12/14/23 1545</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

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

Client: _____ Address: _____ City/State/Zip: _____ Contact: _____ Phone: _____ Email: _____ Fax: _____ 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				Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: Client Comments: RUSH														
PROJECT NAME/NUMBER Babier Elem 2018-03512A		SAMPLE COLLECTOR'S NAME		# and Type of Containers		INDICATE ANALYSIS REQUESTED												
RESULTS REQUESTED ☐ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other ☐ 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other		Total Lead Turbidity check												
Lab Use Only	Sample ID	Date/Time Sampled	Matrix															
23112265n	B8B5-17(2nd)	12/14/23 01:23	Aqueous															
			Aqueous															
			Aqueous															
			Aqueous															
			Aqueous															
			Aqueous															
			Aqueous															
			Aqueous															
			Aqueous															
Relinquished By		Date/Time		Received By				Date/Time										
Don Klein		12/14/23 14:00		[Signature]				12/14/23 15:00										
[Signature]		12/14/23 15:45		[Signature]				12/14/23 15:45										

*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