



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
Wildwood, Missouri 63040

RE: Lead in Drinking Water Report - Resample
Geggie Elementary School
430 Bald Hill Road
Eureka, 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 18, 2023, and November 27, 2024, and subsequent resampling conducted on December 14, 2023, January 12, March 29, May 10, June 19, and November 27, 2024, July 7, 2025, and April 16, 2026. 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 of 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 performing the initial survey of the structure, 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.

SCI initially collected 45 drinking water samples (GES-1 through GES-46) from various water fixtures located throughout the structure and submitted them for analytical testing. A sample number was inadvertently skipped in the field resulting in sample identification up to GES-40. During this sampling event, 11 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. One fixture was removed from use; the remaining fixtures were taken out of service until remediation activities could be completed.

During SCI’s resampling event on December 14, 2023, 14 drinking water samples were collected from fixtures which 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 2 of the sampled fixtures were below the AL and were returned to service. The remaining 5 fixtures were above the AL, and further remediation activities were recommended.

During SCI’s resampling event on March 29, 2024, 4 fixtures which previously exceeded the AL were resampled. During this resampling event, all 4 fixtures still exceeded the AL, and further remediation activities were recommended.

During SCI’s resampling event on May 10, 2024, 4 fixtures which previously exceeded the AL were resampled. During this resampling event, all 4 fixtures still exceeded the AL. One fixture was removed and the further remediation activities were recommended on the remaining 3 fixtures.

During SCI’s resampling event on June 19, 2024, 3 fixtures which previously exceeded the AL were resampled. During this resampling event, all 3 fixtures still exceeded the AL, and further remediation activities were recommended.

During SCI’s resampling event on November 27, 2024, 4 fixtures which previously exceeded the AL were resampled. During this resampling event, all 4 fixtures were below the AL and were returned to service.

During SCI’s resampling event on July 7, 2025, 3 fixtures which previously exceeded the AL were resampled. During this resampling event, 1 fixture was below the AL and was returned to service. The remaining 2 fixtures were above the AL, and further remediation activities were recommended.

During SCI’s resampling event on April 16, 2026, the remaining two fixtures which previously exceeded the AL were resampled. During this resampling event, both fixtures were below the AL and were 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.

The 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, attached. 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.

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
Staff Scientist



Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/JBK/bmw

Enclosures

Lead Testing Results
Table 1 – Lead in Drinking Water Results



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

August 18, 2023

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

RE: 2018-0351.2T-Geggie Elementary

Dear Glenn Grissom:

Please find enclosed the analytical results for the **39** sample(s) the laboratory received on **7/20/23 3:25 pm** and logged in under work order **GG03848**. 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 GG03848

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: GG03848-01
Name: GES - 01
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:32
Received: 07/20/23 15:25

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

Lead	1.57	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:16	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-02
Name: GES - 02
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:34
Received: 07/20/23 15:25

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

Lead	2.15	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:17	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-03
Name: GES - 03
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:34
Received: 07/20/23 15:25

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

Lead	2.87	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:19	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-04
Name: GES - 04
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:37
Received: 07/20/23 15:25

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

Lead	4.19	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:24	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-05
Name: GES - 05
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:41

Received: 07/20/23 15:25

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

Lead	1.42	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:25	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-06
Name: GES - 06
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:43

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:27	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-07
Name: GES - 07
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:44

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:31	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-08
Name: GES - 08
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:44

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:33	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-09
Name: GES - 09
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:49

Received: 07/20/23 15:25

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

Lead	1.23	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:34	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-10
Name: GES - 10
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:49

Received: 07/20/23 15:25

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

Lead	1.86	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:36	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-11
Name: GES - 11
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:50

Received: 07/20/23 15:25

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

Lead	3.93	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:38	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-12
Name: GES - 12
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:50

Received: 07/20/23 15:25

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

Lead	4.17	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:39	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-13
Name: GES - 13
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:55

Received: 07/20/23 15:25

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

Lead	80.4	ug/L		08/15/23 10:48	1	1.00	08/16/23 14:41	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-14
Name: GES - 14
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:56

Received: 07/20/23 15:25

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

Lead	58.6	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:10	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-15
Name: GES - 15
Matrix: Drinking Water - Grab

Sampled: 07/18/23 20:59

Received: 07/20/23 15:25

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

Lead	2.29	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:11	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-16
Name: GES - 16
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:00

Received: 07/20/23 15:25

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

Lead	4.02	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:13	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-17
Name: GES - 17
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:00

Received: 07/20/23 15:25

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

Lead	3.91	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:15	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-18
Name: GES - 18
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:07

Received: 07/20/23 15:25

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

Lead	6.18	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:16	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-19
Name: GES - 19
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:08

Received: 07/20/23 15:25

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

Lead	3.82	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:18	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-20
Name: GES - 20
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:09

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:19	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-21
Name: GES - 21
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:10

Received: 07/20/23 15:25

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

Lead	11.2	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:21	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-22
Name: GES - 22
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:11

Received: 07/20/23 15:25

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

Lead	2.72	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:52	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-23
Name: GES - 23
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:12

Received: 07/20/23 15:25

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

Lead	3.65	ug/L	Q2	08/15/23 13:19	1	1.00	08/16/23 16:53	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-24
Name: GES - 24
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:13

Received: 07/20/23 15:25

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

Lead	7.32	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:58	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-25
Name: GES - 26
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:18

Received: 07/20/23 15:25

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

Lead	6.24	ug/L		08/15/23 13:19	1	1.00	08/16/23 16:59	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-26
Name: GES - 27
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:19

Received: 07/20/23 15:25

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

Lead	12.2	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:01	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-27
Name: GES - 28
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:20

Received: 07/20/23 15:25

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

Lead	99.4	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:03	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-28
Name: GES - 29
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:22

Received: 07/20/23 15:25

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

Lead	3.64	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:04	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-29
Name: GES - 30
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:22

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:06	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-30
Name: GES - 31
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:23

Received: 07/20/23 15:25

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

Lead	8.39	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:10	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-31
Name: GES - 32
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:25

Received: 07/20/23 15:25

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

Lead	1.71	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:12	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-32
Name: GES - 33
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:26

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:13	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03848-33
Name: GES - 34
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:28

Received: 07/20/23 15:25

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

Lead	< 1.00	ug/L	Q2	08/15/23 13:19	1	1.00	08/16/23 17:15	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-34
Name: GES - 35
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:57

Received: 07/20/23 15:25

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

Lead	6.82	ug/L		08/15/23 10:38	1	1.00	08/17/23 17:41	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-35
Name: GES - 36
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:39

Received: 07/20/23 15:25

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

Lead	1.34	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:20	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03848-36
Name: GES - 37
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:40

Received: 07/20/23 15:25

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

Lead	3.82	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:21	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03848-37
Name: GES - 38
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:42

Received: 07/20/23 15:25

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

Lead	1.15	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:23	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03848-38
Name: GES - 39
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:46

Received: 07/20/23 15:25

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

Lead	3.67	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:24	KMC	EPA 200.8 REV 5.4
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Sample: GG03848-39
Name: GES - 40
Matrix: Drinking Water - Grab

Sampled: 07/18/23 21:47

Received: 07/20/23 15:25

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

Lead	1.66	ug/L		08/15/23 13:19	1	1.00	08/16/23 17:29	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 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)				Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	2810	ug/L		2778	6.83	101	70-130		
Matrix Spike Dup (B341274-MSD1)				Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	2820	ug/L		2778	6.83	101	70-130	0.3	20
<u>Batch B341278 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341278-BLK1)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	< 1.00	ug/L							
LCS (B341278-BS1)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	47.4	ug/L		50.00		95	85-115		
Matrix Spike (B341278-MS1)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.3	ug/L		50.00	0.174	100	70-130		
Matrix Spike (B341278-MS2)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	60.0	ug/L		50.00	1.05	118	70-130		
Matrix Spike (B341278-MS3)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	49.7	ug/L		50.00	0.492	98	70-130		
Matrix Spike (B341278-MS4)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	49.8	ug/L		50.00	2.87	94	70-130		
Matrix Spike (B341278-MS5)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	127	ug/L		50.00	80.4	94	70-130		
Matrix Spike (B341278-MS6)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.4	ug/L		50.00	0.521	100	70-130		
Matrix Spike (B341278-MS7)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	56.2	ug/L		50.00	6.29	100	70-130		
Matrix Spike (B341278-MS8)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.7	ug/L		50.00	0.396	101	70-130		
Matrix Spike Dup (B341278-MSD1)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.4	ug/L		50.00	0.174	101	70-130	0.3	20
Matrix Spike Dup (B341278-MSD2)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	61.1	ug/L		50.00	1.05	120	70-130	2	20
Matrix Spike Dup (B341278-MSD3)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.5	ug/L		50.00	0.492	100	70-130	2	20
Matrix Spike Dup (B341278-MSD4)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	51.3	ug/L		50.00	2.87	97	70-130	3	20
Matrix Spike Dup (B341278-MSD5)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	128	ug/L		50.00	80.4	96	70-130	1	20
Matrix Spike Dup (B341278-MSD6)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.8	ug/L		50.00	0.521	101	70-130	0.8	20
Matrix Spike Dup (B341278-MSD7)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	56.8	ug/L		50.00	6.29	101	70-130	1	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341278-MSD8)				Sample: GG03784-02		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	52.5	ug/L		50.00	0.396	104	70-130	4	20
<u>Batch B341306 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341306-BLK1)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	< 1.00	ug/L							
LCS (B341306-BS1)				Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	51.0	ug/L		50.00		102	85-115		
Matrix Spike (B341306-MS1)				Sample: GG03848-23		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	65.2	ug/L		50.00	3.65	123	70-130		
Matrix Spike (B341306-MS2)				Sample: GG03848-33		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	64.8	ug/L		50.00	0.481	129	70-130		
Matrix Spike (B341306-MS3)				Sample: GG03858-04		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	52.0	ug/L		50.00	0.270	103	70-130		
Matrix Spike (B341306-MS4)				Sample: GG03861-09		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	97.3	ug/L	Q1	50.00	30.4	134	70-130		
Matrix Spike (B341306-MS5)				Sample: GG03993-06		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	65.7	ug/L		50.00	1.22	129	70-130		
Matrix Spike (B341306-MS6)				Sample: GG03993-24		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	49.0	ug/L		50.00	0.927	96	70-130		
Matrix Spike (B341306-MS7)				Sample: GG03848-39		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	51.5	ug/L		50.00	1.66	100	70-130		
Matrix Spike (B341306-MS8)				Sample: GG03993-62		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	63.3	ug/L		50.00	1.59	123	70-130		
Matrix Spike (B341306-MS9)				Sample: GG03993-80		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	61.5	ug/L		50.00	8.38	106	70-130		
Matrix Spike (B341306-MSA)				Sample: GG03993-96		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	51.4	ug/L		50.00	0.663	102	70-130		
Matrix Spike (B341306-MSB)				Sample: GG03931-09		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	69.6	ug/L		50.00	0.563	138	70-130		
Matrix Spike (B341306-MSC)				Sample: GG03994-02		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	72.5	ug/L		50.00	0.472	144	70-130		
Matrix Spike (B341306-MSD)				Sample: GG03994-12		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	83.6	ug/L		50.00	0.593	166	70-130		
Matrix Spike Dup (B341306-MSD1)				Sample: GG03848-23		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	77.9	ug/L	Q2	50.00	3.65	149	70-130	18	20
Matrix Spike Dup (B341306-MSD2)				Sample: GG03848-33		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	69.8	ug/L	Q2	50.00	0.481	139	70-130	7	20
Matrix Spike Dup (B341306-MSD3)				Sample: GG03858-04		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	60.5	ug/L		50.00	0.270	120	70-130	15	20
Matrix Spike Dup (B341306-MSD4)				Sample: GG03861-09		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	89.1	ug/L		50.00	30.4	117	70-130	9	20
Matrix Spike Dup (B341306-MSD5)				Sample: GG03993-06		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	59.6	ug/L		50.00	1.22	117	70-130	10	20
Matrix Spike Dup (B341306-MSD6)				Sample: GG03993-24		Prepared: 08/15/23 Analyzed: 08/16/23			
Lead	48.0	ug/L		50.00	0.927	94	70-130	2	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341306-MSD7)	Sample: GG03848-39			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	51.7	ug/L		50.00	1.66	100	70-130	0.4	20
Matrix Spike Dup (B341306-MSD8)	Sample: GG03993-62			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	51.8	ug/L		50.00	1.59	100	70-130	20	20
Matrix Spike Dup (B341306-MSD9)	Sample: GG03993-80			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	65.2	ug/L		50.00	8.38	114	70-130	6	20
Matrix Spike Dup (B341306-MSDA)	Sample: GG03993-96			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	53.1	ug/L		50.00	0.663	105	70-130	3	20
Matrix Spike Dup (B341306-MSDB)	Sample: GG03931-09			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	76.1	ug/L		50.00	0.563	151	70-130	9	20
Matrix Spike Dup (B341306-MSDC)	Sample: GG03994-02			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	68.6	ug/L		50.00	0.472	136	70-130	6	20
Matrix Spike Dup (B341306-MSDD)	Sample: GG03994-12			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	45.4	ug/L		50.00	0.593	90	70-130	59	20
Matrix Spike Dup (B341306-MSDE)	Sample: GG03992-03			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	51.1	ug/L		50.00	1.59	99	70-130	2	20
Matrix Spike Dup (B341306-MSDF)	Sample: GG04148-03			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	48.8	ug/L		50.00	1.58	94	70-130	0.4	20
Matrix Spike (B341306-MSE)	Sample: GG03992-03			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	50.2	ug/L		50.00	1.59	97	70-130		
Matrix Spike (B341306-MSF)	Sample: GG04148-03			Prepared: 08/15/23 Analyzed: 08/16/23					
Lead	48.6	ug/L		50.00	1.58	94	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

Qualifiers

Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.

Q2 Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.

Certified by: Chenise Lambert-Sykes, Project Manager



REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
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 ADDRESS 130 Point West Blvd CITY STATE ZIP St. Charles, MO 63301 CONTACT PERSON Glen Grissom		PROJECT NUMBER 2018-0351.2T PHONE NUMBER (314) 581-7570 PROJECT LOCATION Geggie Elementary E-MAIL ggrissom@sciengineering.com DATE SHIPPED		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>GG03848-39</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 #: _____			
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	DW Pb Turb Check	REMARKS
GES-01		7/18/2023	2032	X	DW	1	6	X X	
GES-02		7/18/2023	2034	X	DW	1	6	X X	
GES-03		7/18/2023	2034	X	DW	1	6	X X	
GES-04		7/18/2023	2037	X	DW	1	6	X X	
GES-05		7/18/2023	2041	X	DW	1	6	X X	
GES-06		7/18/2023	2043	X	DW	1	6	X X	
GES-07		7/18/2023	2044	X	DW	1	6	X X	
GES-08		7/18/2023	2044	X	DW	1	6	X X	
GES-09		7/18/2023	2049	X	DW	1	6	X X	
GES-10		7/18/2023	2049	X	DW	1	6	X X	
GES-11		7/18/2023	2050	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) <u>Kieran Kleinhenz</u>		DATE 7/19/23 TIME 3:30 PM	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE 7/20/23 TIME 08:30		8 COMMENTS: (FOR LAB USE ONLY)		
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		DATE 7/20/23 TIME 1:55	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE 7-20-23 TIME 15:25		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 _____		

1 **CLIENT:** Client's company name
ADDRESS: Client's mailing address
CITY, STATE, ZIP: Client's city, state and zip code for mailing
CONTACT PERSON: Person to receive results
PROJECT NUMBER: Client's reference to the project or work involved with these samples.
PROJECT LOCATION: Client's location of project
PURCHASE ORDER NUMBER: Client's invoicing information
PHONE NUMBER: Client's contact phone number
E-MAIL: Client's e-mail for correspondence and final report
DATE SHIPPED: Month, date and year samples were shipped or delivered to the lab
SAMPLER: Printed name of sample collector
SAMPLER'S SIGNATURE: Signature of sample collector
REGULATORY PROGRAM: Circle regulatory program if applicable.
STATE WHERE SAMPLES COLLECTED: Enter the state if different from client address

2 **SAMPLE DESCRIPTION:** The unique sample description you want to appear on the analytical report
DATE COLLECTED: Date sample was collected. For composite samples, this is typically the date when the last aliquot was added.
TIME COLLECTED: Time sample was collected. For composite samples, this is typically the time when the last aliquot was added.
SAMPLE TYPE: Place a check mark in the box marked "GRAB" if the sample was collected at one time from one specific location. Place a check mark in the box marked "COMP" if the sample is a composite of samples collected at one or more times or locations and combined to make one sample.
MATRIX TYPE: From field above. If "OTHER" please identify
BOTLE COUNT: Total number of containers submitted for the samples
PRESERVATION CODE: Indicate bottle preservative using the codes on the front of the COC for non-PACE bottles, provided by the client.

3 **ANALYSIS REQUESTED:** Write the analysis name (or an abbreviation), the name of a group of tests, or the method number you would like us to perform. Examples are BOD, TCLP Metals, PCBs, Method 624, etc. Place a check mark in the small boxes that correspond to the sample(s) on which you want these tests performed.

REMARKS: List special instructions about the sample here. This space can also be used for listing additional analyses, or to request an extra copy of the report to be sent to an alternate person/address.

4 To be completed by laboratory personnel.

5 **TURNAROUND TIME REQUESTED:** Circle "NORMAL" if you want routine 10 working day TAT. If faster results are needed circle "RUSH", indicated the due date requested, and, if possible, call the lab in advance to schedule this work. Surcharges may apply for non-routine turnaround times.
RUSH RESULTS VIA: Choose method by which you would like to receive the RUSH results by circling either "PHONE" or E-MAIL". List the appropriate number/e-mail if different from that listed in section 1.

6 Place your initials on the line to give the lab permission to proceed with analysis without calling you regarding a sample nonconformance. If the sample does not meet the Sample Acceptance Policy requirements then the appropriate case narrative and/or data qualifiers will be added to the corresponding analysis and may not be acceptable to use for regulatory purposes. Contact your project manager for further information or to obtain a copy of the Sample Acceptance Policy.

Summarized Sample Acceptance Policy Requirements:

- Proper, full and completed chain-of-custody documentation
- Readable unique sample container identification written in indelible ink
- Appropriate sample container
- Sufficient sample volume to perform requested tests
- Received within required holding time
- Received within temperature preservation requirements
- Sample containers received in good condition (not leaking or broken)
- Any custody seal intact
- Properly preserved, and
- No headspace in volatile water samples

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

7 **RELINQUISHED BY/RECEIVED BY:** This form must be signed each time the sample(s) changes hands. Chain-of-Custody seals are available upon request if needed.

8 To be completed by laboratory personnel.

Sample Acceptance Policy – Receiving facility's specific policy available from your project manager.

SERVING YOU IN THE FOLLOWING LOCATIONS

2231 W Altorfer Dr
Peoria, IL 61615
309-692-9688

944 Anglum Road
Hazelwood, MO 63042
314-432-0550

1805 W Sunset St.
Springfield, MO 65807
417-964-8924

4314-A Crystal Lake Rd
McHenry, IL 60050
815-344-4044

Thank you for using Pace Analytical Services, LLC
Please call 800-752-6651 if you have any questions about completing this form.



Pace Analytical Services
WWW.PACELABS.COM

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
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 Geggie Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY)	
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggriessom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check				LOGIN # <u>GG03848</u>	
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 LCHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID						LOGGED BY: <u>SAB</u>	
CONTACT PERSON Glen Grissom												CLIENT: SCI Engineering	
												PROJECT: Drinking Water Lead	
												PROJ. MGR.: Chenise Lambert-Sykes	
												CUSTODY SEAL #:	
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					REMARKS	
GES-12		7/18/2023	2050	X	DW	1	6	X	X				
GES-13		7/18/2023	2055	X	DW	1	6	X	X				
GES-14		7/18/2023	2056	X	DW	1	6	X	X				
GES-15		7/18/2023	2059	X	DW	1	6	X	X				
GES-16		7/18/2023	2100	X	DW	1	6	X	X				
GES-17		7/18/2023	2100	X	DW	1	6	X	X				
GES-18		7/18/2023	2107	X	DW	1	6	X	X				
GES-19		7/18/2023	2108	X	DW	1	6	X	X				
GES-20		7/18/2023	2109	X	DW	1	6	X	X				
GES-21		7/18/2023	2110	X	DW	1	6	X	X				
GES-22		7/18/2023	2111	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 RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE		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>Kieran Kleinhenz</i>		DATE 7/19/23	TIME 3:30PM	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/20/23	TIME 0930	8 COMMENTS: (FOR LAB USE ONLY)					
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/20/23	TIME 1:52S	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT °C					
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-20-23	TIME 15:25	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 _____					

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PROJECT LOCATION: Client's location of project
PURCHASE ORDER NUMBER: Client's invoicing information
PHONE NUMBER: Client's contact phone number
E-MAIL: Client's e-mail for correspondence and final report
DATE SHIPPED: Month, date and year samples were shipped or delivered to the lab
SAMPLER: Printed name of sample collector
SAMPLER'S SIGNATURE: Signature of sample collector
REGULATORY PROGRAM: Circle regulatory program if applicable.
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PRESERVATION CODE: Indicate bottle preservative using the codes on the front of the COC for non-PACE bottles, provided by the client.

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REMARKS: List special instructions about the sample here. This space can also be used for listing additional analyses, or to request an extra copy of the report to be sent to an alternate person/address.

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RUSH RESULTS VIA: Choose method by which you would like to receive the RUSH results by circling either "PHONE" or E-MAIL". List the appropriate number/e-mail if different from that listed in section 1.

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- Proper, full and completed chain-of-custody documentation
- Readable unique sample container identification written in indelible ink
- Appropriate sample container
- Sufficient sample volume to perform requested tests
- Received within required holding time
- Received within temperature preservation requirements
- Sample containers received in good condition (not leaking or broken)
- Any custody seal intact
- Properly preserved, and
- No headspace in volatile water samples

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

7 **RELINQUISHED BY/RECEIVED BY:** This form must be signed each time the sample(s) changes hands. Chain-of-Custody seals are available upon request if needed.

8 To be completed by laboratory personnel.

Sample Acceptance Policy – Receiving facility's specific policy available from your project manager.

SERVING YOU IN THE FOLLOWING LOCATIONS

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309-692-9688

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Hazelwood, MO 63042
314-432-0550

1805 W Sunset St.
Springfield, MO 65807
417-964-8924

4314-A Crystal Lake Rd
McHenry, IL 60050
815-344-4044

Thank you for using Pace Analytical Services, LLC
Please call 800-752-6651 if you have any questions about completing this form.

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
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 Geggie Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>GG03848</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 ggrissom@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 LCHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID		DATE SHIPPED					
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>		BOTTLE COUNT		PRES CODE CLIENT PROVIDED					
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	DW Pb Turb Check		REMARKS	
GES-23		7/18/2023	2112	X	DW	1	6	X	X		
GES-24		7/18/2023	2113	X	DW	1	6	X	X		
				X	DW	1	6	X	X		
GES-26		7/18/2023	2118	X	DW	1	6	X	X		
GES-27		7/18/2023	2119	X	DW	1	6	X	X		
GES-28		7/18/2023	2120	X	DW	1	6	X	X		
GES-29		7/18/2023	2122	X	DW	1	6	X	X		
GES-30		7/18/2023	2122	X	DW	1	6	X	X		
GES-31		7/18/2023	2123	X	DW	1	6	X	X		
GES-32		7/18/2023	2125	X	DW	1	6	X	X		
GES-33		7/18/2023	2126	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)		DATE RESULTS NEEDED		6					
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE		EMAIL IF DIFFERENT FROM ABOVE:		PHONE # IF DIFFERENT FROM ABOVE:		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.					
7		RELINQUISHED BY: (SIGNATURE) <i>Kieran Kleinhenz</i>		DATE 7/19/23		TIME 3:30 PM		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/20/23	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/20/23		TIME 1523		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-20-23		TIME 15:25	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE		TIME		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE		TIME	
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		Page 21 of 24									

- 1 **CLIENT:** Client's company name
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PROJECT LOCATION: Client's location of project
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E-MAIL: Client's e-mail for correspondence and final report
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CHAIN OF CUSTODY RECORD
STATE WHERE SAMPLE COLLECTED MO

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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 LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		LOGGED BY: SAB					
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>				CLIENT: SCI Engineering					
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED			PROJECT: Drinking Water Lead	
GES-34		7/18/2023	2128	X	DW	1	6	X	X	PROJ. MGR.: Chenise Lambert-Sykes	
GES-35		7/18/2023	2157	X	DW	1	6	X	X	CUSTODY SEAL #:	
GES-36		7/18/2023	2139	X	DW	1	6	X	X		
GES-37		7/18/2023	2140	X	DW	1	6	X	X		
GES-38		7/18/2023	2142	X	DW	1	6	X	X		
GES-39		7/18/2023	2146	X	DW	1	6	X	X		
GES-40		7/18/2023	2147	X	DW	1	6	X	X		
				X	DW	1	6	X	X		
				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			
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RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE				PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)							
EMAIL IF DIFFERENT FROM ABOVE:		PHONE # IF DIFFERENT FROM ABOVE:									
7 RELINQUISHED BY: (SIGNATURE) <i>Kieran Kleinhenz</i>		DATE 7/19/23	TIME 3:30PM	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-20-23	TIME 6:30	8 COMMENTS: (FOR LAB USE ONLY)			
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7/20/23	TIME 1:55	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT °C			
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-20-23	TIME 15:25	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	TIME			DATE AND TIME TAKEN FROM SAMPLE B					

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Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

April 30, 2026

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

RE: 2018-0351.2A T200 Geggie Elementary

Dear Glenn Grissom:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **4/24/26 7:08 am** and logged in under work order **JD04807**. 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



ANALYTICAL RESULTS

Sample: JD04807-01
Name: GES-13R2
Matrix: Drinking Water - Grab

Sampled: 04/16/26 18:28
Received: 04/24/26 07:08

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

Total Metals - PIA

Lead	< 1.00	ug/L		04/29/26 08:05	1	1.00	04/29/26 12:00	BRS	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: JD04807-02
Name: GES-14R2
Matrix: Drinking Water - Grab

Sampled: 04/16/26 18:26
Received: 04/24/26 07:08

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

Total Metals - PIA

Lead	< 1.00	ug/L		04/29/26 08:05	1	1.00	04/29/26 12:01	BRS	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 B631890 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Matrix Spike (B631890-MS1)	Sample: JD04135-02			Prepared & Analyzed: 04/29/26					
Lead	57.1	ug/L		50.00	4.83	105	70-130		
Matrix Spike (B631890-MS2)	Sample: JD04053-02			Prepared & Analyzed: 04/29/26					
Lead	63.2	ug/L		50.00	9.43	108	70-130		
Matrix Spike (B631890-MS3)	Sample: JD04186-06			Prepared & Analyzed: 04/29/26					
Lead	52.9	ug/L		50.00	0.518	105	70-130		
Matrix Spike (B631890-MS4)	Sample: JD04186-16			Prepared & Analyzed: 04/29/26					
Lead	51.2	ug/L		50.00	0.439	102	70-130		
Matrix Spike (B631890-MS5)	Sample: JD04186-26			Prepared & Analyzed: 04/29/26					
Lead	50.7	ug/L		50.00	0.501	100	70-130		
Matrix Spike (B631890-MS6)	Sample: JD04424-03			Prepared & Analyzed: 04/29/26					
Lead	51.1	ug/L		50.00	0.511	101	70-130		
Matrix Spike (B631890-MS7)	Sample: JD04462-03			Prepared & Analyzed: 04/29/26					
Lead	49.2	ug/L		50.00	0.153	98	70-130		
Matrix Spike (B631890-MS8)	Sample: JD04462-13			Prepared & Analyzed: 04/29/26					
Lead	57.2	ug/L		50.00	6.29	102	70-130		
Matrix Spike (B631890-MS9)	Sample: JD04808-01			Prepared & Analyzed: 04/29/26					
Lead	50.3	ug/L		50.00	0.285	100	70-130		
Matrix Spike (B631890-MSA)	Sample: JD04815-03			Prepared & Analyzed: 04/29/26					
Lead	52.8	ug/L		50.00	0.802	104	70-130		
Matrix Spike (B631890-MSB)	Sample: JD04422-02			Prepared & Analyzed: 04/29/26					
Lead	51.3	ug/L		50.00	0.0420	102	70-130		
Matrix Spike (B631890-MSC)	Sample: JD04459-02			Prepared & Analyzed: 04/29/26					
Lead	49.7	ug/L		50.00	2.86	94	70-130		
Matrix Spike (B631890-MSD)	Sample: JD04441-02			Prepared & Analyzed: 04/29/26					
Lead	53.0	ug/L		50.00	1.06	104	70-130		
Matrix Spike Dup (B631890-MSD1)	Sample: JD04135-02			Prepared & Analyzed: 04/29/26					
Lead	56.5	ug/L		50.00	4.83	103	70-130	1	20
Matrix Spike Dup (B631890-MSD2)	Sample: JD04053-02			Prepared & Analyzed: 04/29/26					
Lead	61.3	ug/L		50.00	9.43	104	70-130	3	20
Matrix Spike Dup (B631890-MSD3)	Sample: JD04186-06			Prepared & Analyzed: 04/29/26					
Lead	53.5	ug/L		50.00	0.518	106	70-130	1	20
Matrix Spike Dup (B631890-MSD4)	Sample: JD04186-16			Prepared & Analyzed: 04/29/26					
Lead	51.5	ug/L		50.00	0.439	102	70-130	0.5	20
Matrix Spike Dup (B631890-MSD5)	Sample: JD04186-26			Prepared & Analyzed: 04/29/26					
Lead	51.7	ug/L		50.00	0.501	102	70-130	2	20
Matrix Spike Dup (B631890-MSD6)	Sample: JD04424-03			Prepared & Analyzed: 04/29/26					
Lead	51.2	ug/L		50.00	0.511	101	70-130	0.2	20
Matrix Spike Dup (B631890-MSD7)	Sample: JD04462-03			Prepared & Analyzed: 04/29/26					
Lead	50.2	ug/L		50.00	0.153	100	70-130	2	20
Matrix Spike Dup (B631890-MSD8)	Sample: JD04462-13			Prepared & Analyzed: 04/29/26					
Lead	56.7	ug/L		50.00	6.29	101	70-130	0.7	20
Matrix Spike Dup (B631890-MSD9)	Sample: JD04808-01			Prepared & Analyzed: 04/29/26					
Lead	52.5	ug/L		50.00	0.285	104	70-130	4	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B631890-MSDA)	Sample: JD04815-03			Prepared & Analyzed: 04/29/26					
Lead	53.7	ug/L		50.00	0.802	106	70-130	2	20
Matrix Spike Dup (B631890-MSDB)	Sample: JD04422-02			Prepared & Analyzed: 04/29/26					
Lead	50.6	ug/L		50.00	0.0420	101	70-130	1	20
Matrix Spike Dup (B631890-MSDC)	Sample: JD04459-02			Prepared & Analyzed: 04/29/26					
Lead	53.7	ug/L		50.00	2.86	102	70-130	8	20
Matrix Spike Dup (B631890-MSDD)	Sample: JD04441-02			Prepared & Analyzed: 04/29/26					
Lead	53.2	ug/L		50.00	1.06	104	70-130	0.5	20
Matrix Spike Dup (B631890-MSDE)	Sample: JD04473-04			Prepared & Analyzed: 04/29/26					
Lead	54.2	ug/L		50.00	3.24	102	70-130	0.6	20
Matrix Spike Dup (B631890-MSDF)	Sample: JD04478-08			Prepared & Analyzed: 04/29/26					
Lead	52.6	ug/L		50.00	1.79	102	70-130	0.7	20
Matrix Spike (B631890-MSE)	Sample: JD04473-04			Prepared & Analyzed: 04/29/26					
Lead	53.9	ug/L		50.00	3.24	101	70-130		
Matrix Spike (B631890-MSF)	Sample: JD04478-08			Prepared & Analyzed: 04/29/26					
Lead	52.2	ug/L		50.00	1.79	101	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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: SCI Work Order #: JAD04807 Completed by / Date: GRB 4-24-24

Custody seal on cooler/box present and seal intact:	☐ Yes ☐ No ☒ N/A
Chain of Custody (CoC) Present:	☒ Yes ☐ No
CoC is Legible:	☒ Yes ☐ No
Sampler Name Present on CoC:	☒ Yes ☐ No
Sampler Signature Present on CoC:	☒ Yes ☐ No
Sample Collection Date Present on CoC:	☒ Yes ☐ No
Sample Collection Time Present on CoC:	☒ Yes ☐ No
CoC Relinquished by Client:	☒ Yes ☐ No
Unique Sample ID's Present on CoC:	☒ Yes ☐ No
CoC and Sample Container Labels Match:	☒ Yes ☐ No
Sample chilling process started prior to receipt: If yes, what type of ice:	☐ Yes ☐ No ☒ N/A ☐ Wet ☐ Blue
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☐ Yes ☐ No ☒ N/A
Container(s) Received Intact:	☒ Yes ☐ No
Containers Received Labeled and Labels are Legible:	☒ Yes ☐ No
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No
Sufficient Sample Volume Received:	☒ Yes ☐ No
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐ Yes ☐ No ☒ N/A
Trip Blank(s) Received: If present, are they Listed on CoC:	☐ Yes ☐ No ☒ N/A ☐ Yes ☐ No
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No
Short Hold Time Analysis (48 Hours or Less):	☐ 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.

WORK ORDER #:

J104807

INITIALS:

CB

Drinking Water Bottle Receipt Form

SOC (Synthetic Organic Chemicals)

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
Chlorine Check	Chlorine Check	P, U, 150 ml	1								
M504	EDB & DBCP	C,V, 40 ml, Na2S2O3	3								
M504 Trip Blank	Trip Blank	C,V, 40 ml, Na2S2O3	2								
M505 (subcontract)	Toxaphene	C,V, 40 ml, Na2S2O3	3								
M515.3/548	Chlorinated Acids/Endothal	A, G, 500 ml, Na2S2O3	2								
M525.2	Semi-Volatiles	A, G, 1000 ml, Na2SO3 + HCl	3								
M531	Carbamates	A, V, 60 ml, Na2S2O3 + MCAA	1								
M549.2	Diquat	A, P, 1000 ml, Na2S2O3 + H2SO4	1								
M550	Benzo(a)Pyrene	A, G, 1000 ml, Na2S2O3 + HCl	3								
*M547	Glyphosate	A, V, 60 ml, Na2S2O3	1								
*M547 Trip Blank	Trip Blank	A, V, 60 ml, Na2S2O3	1								

**"SOC_W_GLPHOS" & "SOC_IDPH_GROUP A" ONLY

VOC (Volatile Organic Chemicals)

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
M524.2	Regulated Volatile	C,V, 40 ml, HCl	3								
M524.2 Trip Blank	Trip Blank	C,V, 40 ml, HCl	3								
Chlorine Check	Chlorine Check	P, U, 150 ml	1								

IOC (Inorganic Chemicals)

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
*300.0 SO4 & Fluoride Probe	Sulfate by IC/Fluoride Probe	P, 500 ml, Total	1								
**Metals - As, Ba, Be, Cd, Cr, Fe, Hg, Mn, Na, Ni, Sb, Se, Ti, Zn & Turb Check	Metals	P, 250 ml, HNO3, Total	1								
CN-T Kelada DW	Cyanide Total	P, 250 ml, NaOH	1								

*Excluded from "IOC IDPH SHORT LIST"

**Excluded Fe, Mn, Na, Ni & Zn from "IOC IDPH SHORT LIST" Fe, Mn, Na, Ni & Zn

THM/HAA

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
THM M524	Trihalomethane	C,V, 40 ml, Na2S2O3	4								
HAA M552	Haloacetic Acid	A, V, 60 ML NH4CL	4								
Chlorine Check	Chlorine Check	P, U, 150 ml	1								

TOC

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
TOC	Total Organic Carbon	A, V, 40 ml, H2SO4	3								

Chlorite/Bromate

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
Bromate (Subcontract)	Bromate	P, 100 ml, EDA	1								
Chlorite (Subcontract)	Chlorite	P, 100 ml, EDA	1								

Lead/Copper

Method	Description	Bottle Type	Qty
Lead/Copper	Lead Copper	P, 1000ml LC	
School Lead	Lead	P, 250ml LC	4

PFAS

Method	Description	Bottle Type	Qty	-1	-2	-3	-4	-5	-6	-7	-8
M533	PFAS	533, P, 250mL, C2H7NO2									
M533 FRB	PFAS - FRB	533, P, 250mL, C2H7NO2									
M537.1	PFAS	537.1, P, 250 mL, TRZ									
M537.1 FRB	PFAS - FRB	537.1, P, 250 mL, TRZ									

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: Geggie Elem 2018-0351.2A

WorkOrder: 23121230

Dear Brian Lieb:

TEKLAB, INC received 14 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



Report Contents

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

Client: SCI Engineering, Inc.

Work Order: 23121230

Client Project: Geggie 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: 23121230

Client Project: Geggie 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: 23121230

Client Project: Geggie 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: 23121230

Client Project: Geggie 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:** 23121230**Client Project:** Geggie 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



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23121230

Client Project: Geggie 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									
23121230-001A	GES-18R	NELAP		1.0	15.9	µg/L	1	12/20/2023 16:22	12/14/2023 2:24
23121230-002A	GES-18(2nd)	NELAP		1.0	2.4	µg/L	1	12/20/2023 16:26	12/14/2023 2:24
23121230-003A	GES-21R	NELAP		1.0	7.1	µg/L	1	12/20/2023 16:31	12/14/2023 2:26
23121230-004A	GES-21(2nd)	NELAP		1.0	1.4	µg/L	1	12/20/2023 16:35	12/14/2023 2:27
23121230-005A	GES-24R	NELAP		1.0	< 1.0	µg/L	1	12/20/2023 16:40	12/14/2023 2:29
23121230-006A	GES-24(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/20/2023 16:45	12/14/2023 2:29
23121230-007A	GES-26R	NELAP		1.0	11.8	µg/L	1	12/20/2023 17:48	12/14/2023 2:31
23121230-008A	GES-26(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/20/2023 17:16	12/14/2023 2:32
23121230-009A	GES-27R	NELAP		1.0	16.5	µg/L	1	12/20/2023 17:21	12/14/2023 2:33
23121230-010A	GES-27(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 17:19	12/14/2023 2:34
23121230-011A	GES-28R	NELAP		1.0	20.1	µg/L	1	12/19/2023 17:23	12/14/2023 2:35
23121230-012A	GES-28(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 17:27	12/14/2023 2:36
23121230-013A	GES-31R	NELAP		1.0	4.8	µg/L	1	12/19/2023 17:31	12/14/2023 2:39
23121230-014A	GES-31(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/19/2023 17:34	12/14/2023 2:40



Receiving Check List

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

Client: SCI Engineering, Inc.

Work Order: 23121230

Client Project: Geggie 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

1

Extra pages included

0

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 4:40:57 PM

*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

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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-GEGGIE ES

Dear Brian Lieb:

Please find enclosed the analytical results for the **10** sample(s) the laboratory received on **12/3/24 4:50 pm** and logged in under work order **HL01116**. 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 HL01116

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



ANALYTICAL RESULTS

Sample: HL01116-01
Name: GES-21R5
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:34
Received: 12/03/24 16:50

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

Lead	4.12	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:08	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-02
Name: GES-26R3
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:31
Received: 12/03/24 16:50

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

Lead	4.22	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:09	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-03
Name: GES-27R5
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:32
Received: 12/03/24 16:50

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

Lead	2.74	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:11	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-04
Name: GES-28R5
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:33
Received: 12/03/24 16:50

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

Lead	1.42	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:12	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HL01116-05
Name: GES-41R
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:46

Received: 12/03/24 16:50

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

Lead	< 1.00	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:16	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-06
Name: GES-42R
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:44

Received: 12/03/24 16:50

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

Lead	< 1.00	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:18	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-07
Name: GES-43R
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:42

Received: 12/03/24 16:50

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

Lead	< 1.00	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:19	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-08
Name: GES-44R
Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:41

Received: 12/03/24 16:50

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

Lead	2.34	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:23	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HL01116-09

Name: GES-45R

Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:39

Received: 12/03/24 16:50

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

Lead	5.54	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:25	BRS	EPA 200.8 REV 5.4
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Sample: HL01116-10

Name: GES-46R

Matrix: Drinking Water - Grab

Sampled: 11/27/24 17:38

Received: 12/03/24 16:50

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

Lead	1.12	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:26	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)

1 CLIENT SCI Engineering ADDRESS 130 Point West Blvd St. Charles, MO 63301 CONTACT PERSON Brian Lieb		PROJECT NUMBER 2018-0351.2A T200 PHONE NUMBER (314) 581-7570 PROJECT LOCATION Geggie ES E-MAIL blieb@sciengineering.com		PURCHASE ORDER # DATE SHIPPED MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER NAS-NON AQUEOUS SOLID LHT-LEACHATE SO-ACID SO-SOLID		ANALYSIS REQUESTED TURBIDITY DW Pb Turb Check		(FOR LAB USE ONLY) LOGIN # 110116 LOGGED BY: WS CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #:	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE	COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	REMARKS
GES-21R5		11/27/24	1734	X		DW	1	6	
GES-26R3			1731	X					
GES-27R5			1732	X					
GES-28R5			1733	X					
GES-41R			1746	X					
GES-42R			1744	X					
GES-43R			1742	X					
GES-44R			1741	X					
GES-45R			1739	X					
GES-46R			1738	X					
CHEMICAL PRESERVATION CODES:		1 - HCL	2 - H2SO4	3 - HNO3	4 - NAOH	5 - NA2S2O3	6 - UNPRESERVED	7 - OTHER	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (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 RECEIVED BY: (SIGNATURE) 12/3/24 TIME 12:50		DATE RECEIVED BY: (SIGNATURE) 12/3/24 TIME 12:50		DATE RECEIVED BY: (SIGNATURE) 12/3/24 TIME 16:50		COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED DATE AND TIME TAKEN FROM SAMPLE BOTTLE	

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-9R2 → 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.



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

July 24, 2025

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

RE: 2018-0351-2A Task 200 - GES

Dear Glenn Grissom:

Please find enclosed the analytical results for the **3** sample(s) the laboratory received on **7/10/25 4:30 pm** and logged in under work order **IG02343**. 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



ANALYTICAL RESULTS

Sample: IG02343-01
Name: GES - 13R
Matrix: Drinking Water - Grab

Sampled: 07/07/25 21:30
Received: 07/10/25 16:30

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

Lead	132	ug/L		07/22/25 06:52	1	1.00	07/22/25 10:51	BRS	EPA 200.8 REV 5.4
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Sample: IG02343-02
Name: GES - 14R
Matrix: Drinking Water - Grab

Sampled: 07/07/25 21:35
Received: 07/10/25 16:30

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

Lead	6.18	ug/L		07/22/25 06:52	1	1.00	07/22/25 10:53	BRS	EPA 200.8 REV 5.4
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Sample: IG02343-03
Name: GES - 45R
Matrix: Drinking Water - Grab

Sampled: 07/07/25 21:25
Received: 07/10/25 16:30

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

Lead	2.49	ug/L		07/22/25 06:52	1	1.00	07/22/25 10:57	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 B538313 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B538313-BLK1)				Prepared & Analyzed: 07/22/25					
Lead	< 1.00	ug/L							
LCS (B538313-BS1)				Prepared & Analyzed: 07/22/25					
Lead	52.8	ug/L		50.00		106	85-115		
Matrix Spike (B538313-MS1)				Prepared & Analyzed: 07/22/25					
Lead	59.9	ug/L		50.00	2.37	115	70-130		
Matrix Spike (B538313-MS2)				Prepared & Analyzed: 07/22/25					
Lead	55.6	ug/L		50.00	0.618	110	70-130		
Matrix Spike (B538313-MS3)				Prepared & Analyzed: 07/22/25					
Lead	52.4	ug/L		50.00	0.0260	105	70-130		
Matrix Spike (B538313-MS4)				Prepared & Analyzed: 07/22/25					
Lead	52.8	ug/L		50.00	1.51	103	70-130		
Matrix Spike (B538313-MS5)				Prepared & Analyzed: 07/22/25					
Lead	51.4	ug/L		50.00	0.146	103	70-130		
Matrix Spike (B538313-MS6)				Prepared & Analyzed: 07/22/25					
Lead	50.4	ug/L		50.00	0.613	100	70-130		
Matrix Spike (B538313-MS7)				Prepared & Analyzed: 07/22/25					
Lead	53.9	ug/L		50.00	3.03	102	70-130		
Matrix Spike (B538313-MS8)				Prepared & Analyzed: 07/22/25					
Lead	59.9	ug/L		50.00	8.98	102	70-130		
Matrix Spike (B538313-MS9)				Prepared & Analyzed: 07/22/25					
Lead	58.7	ug/L		50.00	6.18	105	70-130		
Matrix Spike (B538313-MSA)				Prepared & Analyzed: 07/22/25					
Lead	49.9	ug/L		50.00	ND	100	70-130		
Matrix Spike (B538313-MSB)				Prepared & Analyzed: 07/22/25					
Lead	53.5	ug/L		50.00	ND	107	70-130		
Matrix Spike (B538313-MSC)				Prepared & Analyzed: 07/22/25					
Lead	55.2	ug/L		50.00	0.455	109	70-130		
Matrix Spike (B538313-MSD)				Prepared & Analyzed: 07/22/25					
Lead	51.1	ug/L		50.00	0.538	101	70-130		
Matrix Spike Dup (B538313-MSD1)				Prepared & Analyzed: 07/22/25					
Lead	56.9	ug/L		50.00	2.37	109	70-130	5	20
Matrix Spike Dup (B538313-MSD2)				Prepared & Analyzed: 07/22/25					
Lead	54.0	ug/L		50.00	0.618	107	70-130	3	20
Matrix Spike Dup (B538313-MSD3)				Prepared & Analyzed: 07/22/25					
Lead	53.3	ug/L		50.00	0.0260	107	70-130	2	20
Matrix Spike Dup (B538313-MSD4)				Prepared & Analyzed: 07/22/25					
Lead	52.3	ug/L		50.00	1.51	102	70-130	1	20
Matrix Spike Dup (B538313-MSD5)				Prepared & Analyzed: 07/22/25					
Lead	52.1	ug/L		50.00	0.146	104	70-130	1	20
Matrix Spike Dup (B538313-MSD6)				Prepared & Analyzed: 07/22/25					
Lead	48.2	ug/L		50.00	0.613	95	70-130	5	20
Matrix Spike Dup (B538313-MSD7)				Prepared & Analyzed: 07/22/25					
Lead	53.1	ug/L		50.00	3.03	100	70-130	2	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B538313-MSD8)	Sample: IG02336-01			Prepared & Analyzed: 07/22/25					
Lead	60.7	ug/L		50.00	8.98	103	70-130	1	20
Matrix Spike Dup (B538313-MSD9)	Sample: IG02343-02			Prepared & Analyzed: 07/22/25					
Lead	58.0	ug/L		50.00	6.18	104	70-130	1	20
Matrix Spike Dup (B538313-MSDA)	Sample: IG03532-06			Prepared & Analyzed: 07/22/25					
Lead	50.8	ug/L		50.00	ND	102	70-130	2	20
Matrix Spike Dup (B538313-MSDB)	Sample: IG02229-01			Prepared & Analyzed: 07/22/25					
Lead	54.5	ug/L		50.00	ND	109	70-130	2	20
Matrix Spike Dup (B538313-MSDC)	Sample: IG02443-02			Prepared & Analyzed: 07/22/25					
Lead	55.6	ug/L		50.00	0.455	110	70-130	0.8	20
Matrix Spike Dup (B538313-MSDD)	Sample: IG03235-01			Prepared & Analyzed: 07/22/25					
Lead	52.2	ug/L		50.00	0.538	103	70-130	2	20
Matrix Spike Dup (B538313-MSDE)	Sample: IG03242-01			Prepared & Analyzed: 07/22/25					
Lead	59.8	ug/L		50.00	7.06	106	70-130	0.02	20
Matrix Spike Dup (B538313-MSDF)	Sample: IG03527-06			Prepared & Analyzed: 07/22/25					
Lead	51.5	ug/L		50.00	0.778	102	70-130	1	20
Matrix Spike Dup (B538313-MSDG)	Sample: IG03535-01			Prepared & Analyzed: 07/22/25					
Lead	50.5	ug/L		50.00	0.163	101	70-130	0.3	20
Matrix Spike Dup (B538313-MSDH)	Sample: IG03513-09			Prepared & Analyzed: 07/22/25					
Lead	51.6	ug/L		50.00	0.561	102	70-130	2	20
Matrix Spike Dup (B538313-MSDI)	Sample: IG03513-19			Prepared & Analyzed: 07/22/25					
Lead	51.8	ug/L		50.00	0.0390	103	70-130	2	20
Matrix Spike Dup (B538313-MSDJ)	Sample: IG03523-01			Prepared & Analyzed: 07/22/25					
Lead	51.5	ug/L		50.00	0.0840	103	70-130	2	20
Matrix Spike Dup (B538313-MSDK)	Sample: IG03517-06			Prepared & Analyzed: 07/22/25					
Lead	51.6	ug/L		50.00	0.0910	103	70-130	1	20
Matrix Spike Dup (B538313-MSDL)	Sample: IG03530-06			Prepared & Analyzed: 07/22/25					
Lead	51.9	ug/L		50.00	0.862	102	70-130	0.3	20
Matrix Spike Dup (B538313-MSDM)	Sample: IG02935-01			Prepared & Analyzed: 07/22/25					
Lead	257	ug/L		50.00	204	106	70-130	1	20
Matrix Spike (B538313-MSE)	Sample: IG03242-01			Prepared & Analyzed: 07/22/25					
Lead	59.8	ug/L		50.00	7.06	106	70-130		
Matrix Spike (B538313-MSF)	Sample: IG03527-06			Prepared & Analyzed: 07/22/25					
Lead	50.8	ug/L		50.00	0.778	100	70-130		
Matrix Spike (B538313-MSG)	Sample: IG03535-01			Prepared & Analyzed: 07/22/25					
Lead	50.3	ug/L		50.00	0.163	100	70-130		
Matrix Spike (B538313-MSH)	Sample: IG03513-09			Prepared & Analyzed: 07/22/25					
Lead	52.5	ug/L		50.00	0.561	104	70-130		
Matrix Spike (B538313-MSI)	Sample: IG03513-19			Prepared & Analyzed: 07/22/25					
Lead	50.7	ug/L		50.00	0.0390	101	70-130		
Matrix Spike (B538313-MSJ)	Sample: IG03523-01			Prepared & Analyzed: 07/22/25					
Lead	50.2	ug/L		50.00	0.0840	100	70-130		
Matrix Spike (B538313-MSK)	Sample: IG03517-06			Prepared & Analyzed: 07/22/25					
Lead	50.9	ug/L		50.00	0.0910	102	70-130		
Matrix Spike (B538313-MSL)	Sample: IG03530-06			Prepared & Analyzed: 07/22/25					
Lead	52.1	ug/L		50.00	0.862	103	70-130		



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B538313-MSM)		Sample: IG02935-01		Prepared & Analyzed: 07/22/25					
Lead	254	ug/L		50.00	204	98	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: Station For Chenise Lambert-Sykes, Project Manager



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

May 21, 2024

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

RE: 2016-8-0351.2A T003-GES

Dear Brian Lieb:

Please find enclosed the analytical results for the **4** sample(s) the laboratory received on **5/14/24 4:30 pm** and logged in under work order **HE02801**. 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 HE02801

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
NO	Zero headspace, <6 mm present in VOA vials
NO	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



ANALYTICAL RESULTS

Sample: HE02801-01
Name: GES - 18R2
Matrix: Drinking Water - Grab

Sampled: 05/10/24 18:22
Received: 05/14/24 16:30

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

Lead	49.4	ug/L		05/20/24 11:09	1	1.00	05/20/24 16:25	BRS	EPA 200.8 REV 5.4
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Sample: HE02801-02
Name: GES - 21R3
Matrix: Drinking Water - Grab

Sampled: 05/10/24 18:21
Received: 05/14/24 16:30

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

Lead	10.8	ug/L		05/20/24 11:09	1	1.00	05/20/24 16:26	BRS	EPA 200.8 REV 5.4
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Sample: HE02801-03
Name: GES - 27R3
Matrix: Drinking Water - Grab

Sampled: 05/10/24 18:20
Received: 05/14/24 16:30

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

Lead	5.16	ug/L		05/20/24 11:09	1	1.00	05/20/24 16:27	BRS	EPA 200.8 REV 5.4
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Sample: HE02801-04
Name: GES - 28R3
Matrix: Drinking Water - Grab

Sampled: 05/10/24 18:19
Received: 05/14/24 16:30

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

Lead	5.95	ug/L		05/20/24 11:09	1	1.00	05/20/24 16:29	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 B433488 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B433488-BLK1)				Prepared & Analyzed: 05/20/24					
Lead	< 1.00	ug/L							
LCS (B433488-BS1)				Prepared & Analyzed: 05/20/24					
Lead	52.1	ug/L		50.00		104	85-115		
Matrix Spike (B433488-MS1)				Sample: HE02549-26 Prepared & Analyzed: 05/20/24					
Lead	56.1	ug/L		50.00	1.79	109	70-130		
Matrix Spike (B433488-MS2)				Sample: HE02549-42 Prepared & Analyzed: 05/20/24					
Lead	81.8	ug/L		50.00	26.2	111	70-130		
Matrix Spike (B433488-MS3)				Sample: HE03271-09 Prepared & Analyzed: 05/20/24					
Lead	53.2	ug/L		50.00	ND	106	70-130		
Matrix Spike (B433488-MS4)				Sample: HE03271-19 Prepared & Analyzed: 05/20/24					
Lead	55.2	ug/L		50.00	0.874	109	70-130		
Matrix Spike (B433488-MS5)				Sample: HE03271-29 Prepared & Analyzed: 05/20/24					
Lead	66.2	ug/L		50.00	12.1	108	70-130		
Matrix Spike (B433488-MS6)				Sample: HE03138-10 Prepared & Analyzed: 05/20/24					
Lead	52.9	ug/L		50.00	0.163	106	70-130		
Matrix Spike (B433488-MS7)				Sample: HE03138-20 Prepared & Analyzed: 05/20/24					
Lead	54.1	ug/L		50.00	0.483	107	70-130		
Matrix Spike (B433488-MS8)				Sample: HE02959-02 Prepared & Analyzed: 05/20/24					
Lead	55.0	ug/L		50.00	0.517	109	70-130		
Matrix Spike (B433488-MS9)				Sample: HE02959-12 Prepared & Analyzed: 05/20/24					
Lead	53.8	ug/L		50.00	0.320	107	70-130		
Matrix Spike (B433488-MSA)				Sample: HE02659-04 Prepared & Analyzed: 05/20/24					
Lead	52.8	ug/L		50.00	ND	106	70-130		
Matrix Spike (B433488-MSB)				Sample: HE02659-14 Prepared & Analyzed: 05/20/24					
Lead	53.2	ug/L		50.00	ND	106	70-130		
Matrix Spike (B433488-MSC)				Sample: HE02786-02 Prepared & Analyzed: 05/20/24					
Lead	59.0	ug/L		50.00	4.81	108	70-130		
Matrix Spike (B433488-MSD)				Sample: HE02786-12 Prepared & Analyzed: 05/20/24					
Lead	61.1	ug/L		50.00	6.18	110	70-130		
Matrix Spike Dup (B433488-MSD1)				Sample: HE02549-26 Prepared & Analyzed: 05/20/24					
Lead	55.4	ug/L		50.00	1.79	107	70-130	1	20
Matrix Spike Dup (B433488-MSD2)				Sample: HE02549-42 Prepared & Analyzed: 05/20/24					
Lead	80.8	ug/L		50.00	26.2	109	70-130	1	20
Matrix Spike Dup (B433488-MSD3)				Sample: HE03271-09 Prepared & Analyzed: 05/20/24					
Lead	55.2	ug/L		50.00	ND	110	70-130	4	20
Matrix Spike Dup (B433488-MSD4)				Sample: HE03271-19 Prepared & Analyzed: 05/20/24					
Lead	56.9	ug/L		50.00	0.874	112	70-130	3	20
Matrix Spike Dup (B433488-MSD5)				Sample: HE03271-29 Prepared & Analyzed: 05/20/24					
Lead	67.3	ug/L		50.00	12.1	110	70-130	2	20
Matrix Spike Dup (B433488-MSD6)				Sample: HE03138-10 Prepared & Analyzed: 05/20/24					
Lead	53.0	ug/L		50.00	0.163	106	70-130	0.2	20
Matrix Spike Dup (B433488-MSD7)				Sample: HE03138-20 Prepared & Analyzed: 05/20/24					
Lead	53.9	ug/L		50.00	0.483	107	70-130	0.5	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B433488-MSD8)	Sample: HE02959-02		Prepared & Analyzed: 05/20/24						
Lead	54.6	ug/L		50.00	0.517	108	70-130	0.7	20
Matrix Spike Dup (B433488-MSD9)	Sample: HE02959-12		Prepared & Analyzed: 05/20/24						
Lead	54.8	ug/L		50.00	0.320	109	70-130	2	20
Matrix Spike Dup (B433488-MSDA)	Sample: HE02659-04		Prepared & Analyzed: 05/20/24						
Lead	53.0	ug/L		50.00	ND	106	70-130	0.5	20
Matrix Spike Dup (B433488-MSDB)	Sample: HE02659-14		Prepared & Analyzed: 05/20/24						
Lead	52.3	ug/L		50.00	ND	105	70-130	2	20
Matrix Spike Dup (B433488-MSDC)	Sample: HE02786-02		Prepared & Analyzed: 05/20/24						
Lead	59.2	ug/L		50.00	4.81	109	70-130	0.4	20
Matrix Spike Dup (B433488-MSDD)	Sample: HE02786-12		Prepared & Analyzed: 05/20/24						
Lead	61.1	ug/L		50.00	6.18	110	70-130	0.07	20
Matrix Spike Dup (B433488-MSDE)	Sample: HE02801-04		Prepared & Analyzed: 05/20/24						
Lead	60.8	ug/L		50.00	5.95	110	70-130	0.1	20
Matrix Spike Dup (B433488-MSDF)	Sample: HE03259-08		Prepared & Analyzed: 05/20/24						
Lead	56.4	ug/L		50.00	1.62	110	70-130	4	20
Matrix Spike (B433488-MSE)	Sample: HE02801-04		Prepared & Analyzed: 05/20/24						
Lead	60.7	ug/L		50.00	5.95	110	70-130		
Matrix Spike (B433488-MSF)	Sample: HE03259-08		Prepared & Analyzed: 05/20/24						
Lead	58.9	ug/L		50.00	1.62	114	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

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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
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

HE02801

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

1 CLIENT SCI Engineering ADDRESS 130 Point West Blvd CITY STATE ZIP St. Charles, MO 63301 CONTACT PERSON Brian Lieb		PROJECT NUMBER 2018-0351.2A T003 PHONE NUMBER (314) 581-7570 SAMPLER (PLEASE PRINT) Ethan Boyer SAMPLER'S SIGNATURE 		PROJECT LOCATION E-MAIL blieb@sciengineering.com MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LOHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		3 ANALYSIS REQUESTED DW Pb ☒ Turb Check ☒		4 (FOR LAB USE ONLY) LOGIN # _____ LOGGED BY: _____ CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #: _____ REMARKS p1250 x4	
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	DW Pb ☒ Turb Check ☒	REMARKS
GES - 18R2		5/10/24	1822	X	DW	1	6	X X	p1250 x4
GES - 21R3		5/10/24	1821	X	DW	1	6	X X	
GES - 27R3		5/10/24	1820	X	DW	1	6	X X	
GES - 28R3		5/10/24	1819	X	DW	1	6	X X	
IR G.h # <u>P1</u> Correction Factor (Deg C) <u>72</u> Observed Temp (Deg C) <u>21.7</u> Corrected Temp (Deg C) <u>20.5</u> Delivery Method: FedEx UPS <u>Walk-in</u> USPS Other									
CHEMICAL PRESERVATION CODES: 1-HCL 2-H2SO4 3-HNO3 4-NAOH 5-NA2S2O3 6-UNPRESERVED 7-OTHER									
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL <u>RUSH</u> RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED 5 day 500 (2500 4000 900)		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) 		DATE 5/10/24 TIME 10:21		RECEIVED BY: (SIGNATURE) 		DATE 5-13-24 TIME 10:30		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT <u>18.0</u> °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) 		DATE 5-13-24 TIME 10:30		RECEIVED BY: (SIGNATURE) 		DATE 5/14/24 TIME 1630			
RELINQUISHED BY: (SIGNATURE) 		DATE 5-14-24 TIME 1630		RECEIVED BY: (SIGNATURE) 		DATE 5/14/24 TIME 1630			

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RECEIVED FOR THE GOVERNMENT OF CANADA

April 03, 2024

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



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

RE: 2018-0351.2A T200

WorkOrder: 24040078

Dear Brian Lieb:

TEKLAB, INC received 4 samples on 4/1/2024 2:08:00 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,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

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

Client: SCI Engineering, Inc.

Work Order: 24040078

Client Project: 2018-0351.2A T200

Report Date: 03-Apr-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended

Client: SCI Engineering, Inc.**Work Order:** 24040078**Client Project:** 2018-0351.2A T200**Report Date:** 03-Apr-24**Abbr Definition**

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)

Client: SCI Engineering, Inc.

Work Order: 24040078

Client Project: 2018-0351.2A T200

Report Date: 03-Apr-24

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: 24040078

Client Project: 2018-0351.2A T200

Report Date: 03-Apr-24

Cooler Receipt Temp: 24.1 °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:** 24040078**Client Project:** 2018-0351.2A T200**Report Date:** 03-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 24040078

Client Project: 2018-0351.2A T200

Report Date: 03-Apr-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24040078-001A	GES-21	NELAP		1.0	15.1	µg/L	1	04/03/2024 7:25	03/29/2024 16:00
24040078-002A	GES-26	NELAP		1.0	14.0	µg/L	1	04/03/2024 7:29	03/29/2024 16:05
24040078-003A	GES-27	NELAP		1.0	5.5	µg/L	1	04/03/2024 7:33	03/29/2024 16:11
24040078-004A	GES-28	NELAP		1.0	11.4	µg/L	1	04/03/2024 8:19	03/29/2024 16:12



Receiving Check List

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

Client: SCI Engineering, Inc.

Work Order: 24040078

Client Project: 2018-0351.2A T200

Report Date: 03-Apr-24

Carrier: John Duarte

Received By: LEH

Completed by:

On:

01-Apr-24

Paul Schultz

Reviewed by:

On:

01-Apr-24

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 24.1

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.

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 24040078

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

Client: <u>SCI Engineering, Inc.</u> Address: <u>130 Point West Blvd.</u> City/State/Zip: <u>St. Charles, MO</u> Contact: <u>Brian Lieb</u> Phone: <u>314-956-8240</u> Email: <u>blieb@sciengineering.com</u> Fax: _____				Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE <u>27.1 °C</u> 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: Courier			
PROJECT NAME/NUMBER 2018-0351.2A T200		SAMPLE COLLECTOR'S NAME Doug Ell <i>Doug Ell</i>		# and Type of Containers UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other		INDICATE ANALYSIS REQUESTED Drinking Water Pb Turbidity	
RESULTS REQUESTED ☒ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		RUSH			
Lab Use Only	Sample ID	Date/Time Sampled	Matrix				
24040078-001	GES-21	3/29/24 1600	Aqueous				
-002	GES-26	1605	Aqueous				
-003	GES-27	1611	Aqueous				
-004	GES-28	1612	Aqueous				
			Aqueous				
			Aqueous				
			Aqueous				
			Aqueous				
Relinquished By		Date/Time		Received By		Date/Time	
<i>Doug Ell</i>		3/31/24 1800		<i>Daniel Wendt</i>		4-1-24 / 1322	
<i>Daniel Wendt</i>		4-1-24 1408		<i>[Signature]</i>		4/1/24 1408	

*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

4/1/24



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

July 02, 2024

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

RE: 2018-0351.2A - Geggie Elem

Dear Glenn Grissom:

Please find enclosed the analytical results for the **3** sample(s) the laboratory received on **6/25/24 4:00 pm** and logged in under work order **HF04535**. 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 HF04535

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
NO	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: HF04535-01
Name: GES-21R4
Matrix: Drinking Water - Grab

Sampled: 06/19/24 22:59
Received: 06/25/24 16:00

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

Total Metals - PIA

Lead	12.5	ug/L		07/01/24 08:59	1	1.00	07/01/24 13:51	BRS	EPA 200.8 REV 5.4
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Sample: HF04535-02
Name: GES-27R4
Matrix: Drinking Water - Grab

Sampled: 06/19/24 22:59
Received: 06/25/24 16:00

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

Total Metals - PIA

Lead	5.66	ug/L		07/01/24 08:59	1	1.00	07/01/24 13:52	BRS	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: HF04535-03
Name: GES-28R4
Matrix: Drinking Water - Grab

Sampled: 06/19/24 22:59
Received: 06/25/24 16:00

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

Total Metals - PIA

Lead	7.82	ug/L		07/01/24 08:59	1	1.00	07/01/24 13:57	BRS	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 B436968 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B436968-BLK1)				Prepared & Analyzed: 07/01/24					
Lead	< 1.00	ug/L							
LCS (B436968-BS1)				Prepared & Analyzed: 07/01/24					
Lead	52.9	ug/L		50.00		106	85-115		
Matrix Spike (B436968-MS1)				Prepared & Analyzed: 07/01/24					
Lead	57.1	ug/L		50.00	2.08	110	70-130		
Matrix Spike (B436968-MS2)				Prepared & Analyzed: 07/01/24					
Lead	54.4	ug/L		50.00	0.865	107	70-130		
Matrix Spike (B436968-MS3)				Prepared & Analyzed: 07/01/24					
Lead	54.0	ug/L		50.00	0.0540	108	70-130		
Matrix Spike (B436968-MS4)				Prepared & Analyzed: 07/01/24					
Lead	54.9	ug/L		50.00	0.0540	110	70-130		
Matrix Spike (B436968-MS5)				Prepared & Analyzed: 07/01/24					
Lead	60.6	ug/L		50.00	4.42	112	70-130		
Matrix Spike (B436968-MS6)				Prepared & Analyzed: 07/01/24					
Lead	56.7	ug/L		50.00	0.911	112	70-130		
Matrix Spike (B436968-MS7)				Prepared & Analyzed: 07/01/24					
Lead	57.0	ug/L		50.00	0.255	114	70-130		
Matrix Spike (B436968-MS9)				Prepared & Analyzed: 07/01/24					
Lead	85.6	ug/L		50.00	30.3	111	70-130		
Matrix Spike (B436968-MSA)				Prepared & Analyzed: 07/01/24					
Lead	109	ug/L		50.00	53.8	109	70-130		
Matrix Spike (B436968-MSB)				Prepared & Analyzed: 07/01/24					
Lead	56.6	ug/L		50.00	0.769	112	70-130		
Matrix Spike (B436968-MSC)				Prepared & Analyzed: 07/01/24					
Lead	88.6	ug/L		50.00	32.8	112	70-130		
Matrix Spike (B436968-MSD)				Prepared & Analyzed: 07/01/24					
Lead	53.4	ug/L		50.00	0.367	106	70-130		
Matrix Spike Dup (B436968-MSD1)				Prepared & Analyzed: 07/01/24					
Lead	56.7	ug/L		50.00	2.08	109	70-130	0.7	20
Matrix Spike Dup (B436968-MSD2)				Prepared & Analyzed: 07/01/24					
Lead	54.6	ug/L		50.00	0.865	107	70-130	0.4	20
Matrix Spike Dup (B436968-MSD3)				Prepared & Analyzed: 07/01/24					
Lead	54.6	ug/L		50.00	0.0540	109	70-130	1	20
Matrix Spike Dup (B436968-MSD4)				Prepared & Analyzed: 07/01/24					
Lead	54.3	ug/L		50.00	0.0540	108	70-130	1	20
Matrix Spike Dup (B436968-MSD5)				Prepared & Analyzed: 07/01/24					
Lead	60.5	ug/L		50.00	4.42	112	70-130	0.3	20
Matrix Spike Dup (B436968-MSD6)				Prepared & Analyzed: 07/01/24					
Lead	57.8	ug/L		50.00	0.911	114	70-130	2	20
Matrix Spike Dup (B436968-MSD7)				Prepared & Analyzed: 07/01/24					
Lead	56.4	ug/L		50.00	0.255	112	70-130	1	20
Matrix Spike Dup (B436968-MSD9)				Prepared & Analyzed: 07/01/24					
Lead	86.8	ug/L		50.00	30.3	113	70-130	1	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B436968-MSDA)	Sample: HF04545-02			Prepared & Analyzed: 07/01/24					
Lead	107	ug/L		50.00	53.8	107	70-130	1	20
Matrix Spike Dup (B436968-MSDB)	Sample: HF04547-06			Prepared & Analyzed: 07/01/24					
Lead	56.8	ug/L		50.00	0.769	112	70-130	0.4	20
Matrix Spike Dup (B436968-MSDC)	Sample: HF04548-08			Prepared & Analyzed: 07/01/24					
Lead	90.1	ug/L		50.00	32.8	115	70-130	2	20
Matrix Spike Dup (B436968-MSDD)	Sample: HF04538-02			Prepared & Analyzed: 07/01/24					
Lead	54.7	ug/L		50.00	0.367	109	70-130	2	20
Matrix Spike Dup (B436968-MSDE)	Sample: HF04528-02			Prepared & Analyzed: 07/01/24					
Lead	54.9	ug/L		50.00	2.67	104	70-130	3	20
Matrix Spike Dup (B436968-MSDF)	Sample: HF04540-01			Prepared & Analyzed: 07/01/24					
Lead	62.8	ug/L		50.00	7.00	112	70-130	0.3	20
Matrix Spike (B436968-MSE)	Sample: HF04528-02			Prepared & Analyzed: 07/01/24					
Lead	56.5	ug/L		50.00	2.67	108	70-130		
Matrix Spike (B436968-MSF)	Sample: HF04540-01			Prepared & Analyzed: 07/01/24					
Lead	63.0	ug/L		50.00	7.00	112	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



STATE WHERE SAMPLE COLLECTED^{MO}

1 **CLIENT:** Client's company name
ADDRESS: Client's mailing address
CITY, STATE, ZIP: Client's city, state and zip code for mailing
CONTACT PERSON: Person to receive results
PROJECT NUMBER: Client's reference to the project or work involved with these samples.
PROJECT LOCATION: Client's location of project
PURCHASE ORDER NUMBER: Client's invoicing information
PHONE NUMBER: Client's contact phone number
E-MAIL: Client's e-mail for correspondence and final report
DATE SHIPPED: Month, date and year samples were shipped or delivered to the lab
SAMPLER: Printed name of sample collector
SAMPLER'S SIGNATURE: Signature of sample collector
REGULATORY PROGRAM: Circle regulatory program if applicable.
STATE WHERE SAMPLES COLLECTED: Enter the state if different from client address

2 **SAMPLE DESCRIPTION:** The unique sample description you want to appear on the analytical report
DATE COLLECTED: Date sample was collected. For composite samples, this is typically the date when the last aliquot was added.
TIME COLLECTED: Time sample was collected. For composite samples, this is typically the time when the last aliquot was added.
SAMPLE TYPE: Place a check mark in the box marked "GRAB" if the sample was collected at one time from one specific location. Place a check mark in the box marked "COMP" if the sample is a composite of samples collected at one or more times or locations and combined to make one sample.
MATRIX TYPE: From field above. If "OTHER" please identify
BOTLE COUNT: Total number of containers submitted for the samples
PRESERVATION CODE: Indicate bottle preservative using the codes on the front of the COC for non-PACE bottles, provided by the client.

3 **ANALYSIS REQUESTED:** Write the analysis name (or an abbreviation), the name of a group of tests, or the method number you would like us to perform. Examples are BOD, TCLP Metals, PCBs, Method 624, etc. Place a check mark in the small boxes that correspond to the sample(s) on which you want these tests performed.

REMARKS: List special instructions about the sample here. This space can also be used for listing additional analyses, or to request an extra copy of the report to be sent to an alternate person/address.

4 To be completed by laboratory personnel.

5 **TURNAROUND TIME REQUESTED:** Circle "NORMAL" if you want routine 10 working day TAT. If faster results are needed circle "RUSH", indicated the due date requested, and, if possible, call the lab in advance to schedule this work. Surcharges may apply for non-routine turnaround times.

RUSH RESULTS VIA: Choose method by which you would like to receive the RUSH results by circling either "PHONE" or E-MAIL". List the appropriate number/e-mail if different from that listed in section 1.

6 Place your initials on the line to give the lab permission to proceed with analysis without calling you regarding a sample nonconformance. If the sample does not meet the Sample Acceptance Policy requirements then the appropriate case narrative and/or data qualifiers will be added to the corresponding analysis and may not be acceptable to use for regulatory purposes. Contact your project manager for further information or to obtain a copy of the Sample Acceptance Policy.

Summarized Sample Acceptance Policy Requirements:

- Proper, full and completed chain-of-custody documentation
- Readable unique sample container identification written in indelible ink
- Appropriate sample container
- Sufficient sample volume to perform requested tests
- Received within required holding time
- Received within temperature preservation requirements
- Sample containers received in good condition (not leaking or broken)
- Any custody seal intact
- Properly preserved, and
- No headspace in volatile water samples

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

7 **RELINQUISHED BY/RECEIVED BY:** This form must be signed each time the sample(s) changes hands. Chain-of-Custody seals are available upon request if needed.

8 To be completed by laboratory personnel.

Sample Acceptance Policy – Receiving facility's specific policy available from your project manager.

SERVING YOU IN THE FOLLOWING LOCATIONS

2231 W Altorfer Dr
Peoria, IL 61615
309-692-9688

944 Anglum Road
Hazelwood, MO 63042
314-432-0550

1805 W Sunset St.
Springfield, MO 65807
417-964-8924

4314-A Crystal Lake Rd
McHenry, IL 60050
815-344-4044

Thank you for using Pace Analytical Services, LLC
Please call 800-752-6651 if you have any questions about completing this form.

January 23, 2024

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 Geggie

WorkOrder: 24011002

Dear Brian Lieb:

TEKLAB, INC received 2 samples on 1/12/2024 4:30:00 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



Report Contents

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

Client: SCI Engineering, Inc.

Work Order: 24011002

Client Project: 2018-0351.2A T200 Geggie

Report Date: 23-Jan-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended

Client: SCI Engineering, Inc.

Work Order: 24011002

Client Project: 2018-0351.2A T200 Geggie

Report Date: 23-Jan-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)

Client: SCI Engineering, Inc.

Work Order: 24011002

Client Project: 2018-0351.2A T200 Geggie

Report Date: 23-Jan-24

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: 24011002

Client Project: 2018-0351.2A T200 Geggie

Report Date: 23-Jan-24

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:** 24011002**Client Project:** 2018-0351.2A T200 Geggie**Report Date:** 23-Jan-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	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: 24011002

Client Project: 2018-0351.2A T200 Geggie

Report Date: 23-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									
24011002-001A	GES-18SVH	NELAP		1.0	150	µg/L	5	01/19/2024 12:23	01/12/2024 11:06
24011002-002A	GES-18SVC	NELAP		1.0	146	µg/L	5	01/19/2024 12:27	01/12/2024 11:07



Receiving Check List

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

Client: SCI Engineering, Inc.

Work Order: 24011002

Client Project: 2018-0351.2A T200 Geggie

Report Date: 23-Jan-24

Carrier: Employee

Received By: NGR

Completed by:

On:

12-Jan-24

Amber Dilallo

Reviewed by:

On:

15-Jan-24

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 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 - 1/12/2024 4:46:41 PM

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 24011002

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

Client: <u>SEI Engineering, Inc.</u> Address: _____ City/State/Zip: _____ Contact: <u>Brian Lieb</u> Phone: <u>314-856-8240</u> Email: <u>blieb@seengineering.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: <u>5 ppb</u>													
PROJECT NAME/NUMBER <u>Geggie</u> <u>2018-0351.2A T200</u>		SAMPLE COLLECTOR'S NAME <u>Brian Lieb</u>		# and Type of Containers <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>UNP</td><td>HNO3</td><td>NaOH</td><td>H2SO4</td><td>HCL</td><td>MeOH</td><td>NaHSO4</td><td>TSP</td><td>Other</td><td>DW</td><td>Pb</td><td>Turb</td> </tr> </table>		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	DW	Pb	Turb
UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	DW	Pb	Turb						
RESULTS REQUESTED ☐ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		INDICATE ANALYSIS REQUESTED													
Lab Use Only	Sample ID	Date/Time Sampled	Matrix														
24011002	GES-18SVH	1/12/24 1106	Aqueous DW														
002	GES-18SVC	↓ 1107	Aqueous ↓														
			Aqueous														
			Aqueous														
			Aqueous														
			Aqueous														
			Aqueous														
			Aqueous														
			Aqueous														
			Aqueous														
			Aqueous														
			Soil														

Relinquished By <u>[Signature]</u>		Date/Time <u>1/12/24 4:00pm</u>		Received By <u>Nick Reed</u>		Date/Time <u>1/12/24 1630</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

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)	Third Resampling (ppb)	Fourth Resampling (ppb)	Fifth Resampling (ppb)	Sixth Resampling (ppb)
GES-13	Room 27	Water Fountain	80.4	132	NS	< 1.0	NS			
GES-14	Room 25	Water Fountain	58.6	6.18	NS	< 1.0	NS			
GES-18	Kitchen	East Handwash Sink	6.18	15.9	2.4	49.4	NS (removed)			
GES-18SVH	Kitchen	East Handwash Sink	150	NS (N/A)						
GES-18SVC	Kitchen	East Handwash Sink	146	NS (N/A)						
GES-21	Kitchen Double Basin	Left Sink	11.2	7.1	1.4	15.1	10.8	12.5	4.12	NS
GES-24	Kitchen	West Handwash Sink	7.32	<1.0	<1.0	NS				
GES-26	Kitchen Triple Basin	Left Sink	6.24	11.8	< 1.0	14.0	4.22	NS		
GES-27	Kitchen Triple Basin	Middle Sink	12.2	16.5	<1.0	5.5	5.16	5.66	2.74	NS
GES-28	Kitchen Triple Basin	Right Sink	99.4	20.1	<1.0	11.4	5.95	7.82	1.42	NS
GES-31	Kitchen Steam Basin	Faucet	8.39	4.8	< 1.0	NS				
GES-35	Teacher's Lounge	Fridge Water Dispenser	6.82	NS (removed)						
GES-45	Room 6	Sink	5.54	2.49	NS					