



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
Selvidge Middles School
235 New Ballwin Road
Ballwin, 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 26 and August 17, 2023, and subsequent resampling conducted on November 18, 2023; November 22, 2023; and November 27, 2024. The purpose of the initial 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 sampling 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 sampling 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 sampling of the fixtures within the building, SCI was able to sample all drinking water sources identified by the school district.

DRINKING WATER SURVEY

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

On July 26 and August 17, 2023, SCI initially collected 44 drinking water samples (SMS-1 through SMS-44) from various water fixtures located throughout the structure and submitted them for analytical testing. During this sampling event, 5 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. These fixtures were taken out of service until remediation activities could be completed.

During SCI’s resampling event on November 18 and November 22, 2023, 10 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 samples were 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 resampling event, 4 fixtures were below the AL and were returned back to service. The remaining fixture was still above the AL, and further remediation activities were recommended.

During the resampling event on November 27, 2024, the remaining fixture that had previously exceeded the AL was retested. During this resampling event, the fixture was below the AL and was returned to service.

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

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, below. Additionally, the results of SCI’s resampling efforts are included in the right-hand columns below. Results in bold from SCI’s resampling indicate a result greater than the AL. A copy of the analytical test results and chain-of-custody for all samples is enclosed.

Table 1 – Lead in Drinking Water Results

Sample Number	Sample Location	Sample Description	Initial Result (ppb)	Resampling-First Draw (ppb)	Resampling-Second Draw (ppb)	2 nd Resample (ppb)
SMS-17	Kitchen	Right Faucet Triple Basin Sink	6.13	1.9	<1.0	NS
SMS-20	Kitchen	South Sink	7.23	3.1	<1.0	NS
SMS-22	Kitchen	North Sink	9.77	1.6	<1.0	NS
SMS-23	Kitchen	Kettle Faucet	7.54	9.8	6.2	2.52
SMS-39	Room 59	Sink 5 (East/Central)	38.0	<1.0	<1.0	NS

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.

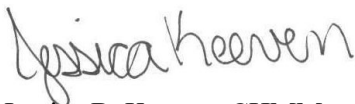
SCI appreciates the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding the information provided.

Respectfully,

SCI ENGINEERING, INC.



Ethan D. Boyer
Staff Scientist



Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/GBK/bmw

Enclosures

Lead Testing Results



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

September 07, 2023

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

RE: 2018-0351.2T-SMS

Dear Glenn Grissom:

Please find enclosed the analytical results for the **42** sample(s) the laboratory received on **7/27/23 3:38 pm** and logged in under work order **GG04971**. 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 GG04971

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: GG04971-01
Name: SMS-1
Matrix: Drinking Water

Sampled: 07/26/23 17:58
Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:43	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-02
Name: SMS-2
Matrix: Drinking Water

Sampled: 07/26/23 18:00
Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:45	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-03
Name: SMS-3
Matrix: Drinking Water

Sampled: 07/26/23 18:01
Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:49	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-04
Name: SMS-4
Matrix: Drinking Water

Sampled: 07/26/23 19:03
Received: 07/27/23 15:07

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

Lead	1.91	ug/L		08/18/23 11:50	1	1.00	08/21/23 17:48	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-05
Name: SMS-5
Matrix: Drinking Water

Sampled: 07/26/23 18:04

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:50	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-06
Name: SMS-6
Matrix: Drinking Water

Sampled: 07/26/23 18:05

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:54	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-07
Name: SMS-7
Matrix: Drinking Water

Sampled: 07/26/23 18:07

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:56	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-08
Name: SMS-8
Matrix: Drinking Water

Sampled: 07/26/23 18:07

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:57	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-09
Name: SMS-9
Matrix: Drinking Water

Sampled: 07/26/23 18:10

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 11:58	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-10
Name: SMS-10
Matrix: Drinking Water

Sampled: 07/26/23 18:11

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:00	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-11
Name: SMS-11
Matrix: Drinking Water

Sampled: 07/26/23 18:13

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:01	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-12
Name: SMS-12
Matrix: Drinking Water

Sampled: 07/26/23 18:13

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:05	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-13
Name: SMS-13
Matrix: Drinking Water

Sampled: 07/26/23 18:16

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:06	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-14
Name: SMS-14
Matrix: Drinking Water

Sampled: 07/26/23 18:17

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:08	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-15
Name: SMS-15
Matrix: Drinking Water

Sampled: 07/26/23 18:18

Received: 07/27/23 15:07

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

Lead	1.70	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:09	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-16
Name: SMS-16
Matrix: Drinking Water

Sampled: 07/26/23 18:20

Received: 07/27/23 15:07

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

Lead	4.92	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:13	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-17
Name: SMS-17
Matrix: Drinking Water

Sampled: 07/26/23 18:21

Received: 07/27/23 15:07

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

Lead	6.13	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:15	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-18
Name: SMS-18
Matrix: Drinking Water

Sampled: 07/26/23 18:22

Received: 07/27/23 15:07

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

Lead	2.68	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:16	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-19
Name: SMS-19
Matrix: Drinking Water

Sampled: 07/26/23 18:22

Received: 07/27/23 15:07

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

Lead	2.88	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:17	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-20
Name: SMS-20
Matrix: Drinking Water

Sampled: 07/26/23 18:23

Received: 07/27/23 15:07

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

Lead	7.23	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:21	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-21
Name: SMS-21
Matrix: Drinking Water

Sampled: 07/26/23 18:24

Received: 07/27/23 15:07

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

Lead	1.03	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:23	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-22
Name: SMS-22
Matrix: Drinking Water

Sampled: 07/26/23 18:25

Received: 07/27/23 15:07

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

Lead	9.77	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:24	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-23
Name: SMS-23
Matrix: Drinking Water

Sampled: 07/26/23 18:26

Received: 07/27/23 15:07

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

Lead	7.54	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:26	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-24
Name: SMS-24
Matrix: Drinking Water

Sampled: 07/26/23 18:32

Received: 07/27/23 15:07

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

Lead	2.18	ug/L		08/22/23 13:40	1	1.00	08/24/23 14:57	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-25
Name: SMS-25
Matrix: Drinking Water

Sampled: 07/26/23 18:36

Received: 07/27/23 15:07

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

Lead	2.35	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:27	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-26
Name: SMS-26
Matrix: Drinking Water

Sampled: 07/26/23 18:38

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:28	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-27
Name: SMS-27
Matrix: Drinking Water

Sampled: 07/26/23 18:39

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:32	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-28
Name: SMS-28
Matrix: Drinking Water

Sampled: 07/26/23 18:41

Received: 07/27/23 15:07

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

Lead	2.27	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:34	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-29
Name: SMS-29
Matrix: Drinking Water

Sampled: 07/26/23 18:42

Received: 07/27/23 15:07

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

Lead	1.03	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:38	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-30
Name: SMS-30
Matrix: Drinking Water

Sampled: 07/26/23 18:44

Received: 07/27/23 15:07

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

Lead	3.54	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:39	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-31
Name: SMS-31
Matrix: Drinking Water

Sampled: 07/26/23 18:46

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:41	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-32
Name: SMS-32
Matrix: Drinking Water

Sampled: 07/26/23 18:49

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:42	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-33
Name: SMS-33
Matrix: Drinking Water

Sampled: 07/26/23 18:50

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:43	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-34
Name: SMS-34
Matrix: Drinking Water

Sampled: 07/26/23 18:52

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:45	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-35
Name: SMS-35
Matrix: Drinking Water

Sampled: 07/26/23 18:53

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:46	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-36
Name: SMS-36
Matrix: Drinking Water

Sampled: 07/26/23 18:54

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:47	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-37
Name: SMS-37
Matrix: Drinking Water

Sampled: 07/26/23 18:55

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:54	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-38
Name: SMS-38
Matrix: Drinking Water

Sampled: 07/26/23 19:18

Received: 07/27/23 15:07

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

Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:56	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-39
Name: SMS-39
Matrix: Drinking Water

Sampled: 07/26/23 18:58

Received: 07/27/23 15:07

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

Lead	38.0	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:57	KMC	EPA 200.8 REV 5.4
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Sample: GG04971-40
Name: SMS-40
Matrix: Drinking Water

Sampled: 07/26/23 18:59

Received: 07/27/23 15:07

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

Lead	1.45	ug/L		09/05/23 08:48	1	1.00	09/06/23 12:58	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG04971-41
Name: SMS-41
Matrix: Drinking Water

Sampled: 07/26/23 19:00
Received: 07/27/23 15:07

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 13:00	KMC	EPA 200.8 REV 5.4

Sample: GG04971-42
Name: SMS-42
Matrix: Drinking Water

Sampled: 07/26/23 19:01
Received: 07/27/23 15:07

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		09/05/23 08:48	1	1.00	09/06/23 13:01	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 B341652 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341652-BLK1)				Prepared: 08/18/23 Analyzed: 08/21/23					
Lead	< 1.11	ug/L							
LCS (B341652-BS1)				Prepared: 08/18/23 Analyzed: 08/21/23					
Lead	2710	ug/L		2778		97	85-115		
Matrix Spike (B341652-MS1)				Prepared: 08/18/23 Analyzed: 08/24/23					
Lead	2780	ug/L		2778	2.29	100	70-130		
Matrix Spike Dup (B341652-MSD1)				Prepared: 08/18/23 Analyzed: 08/24/23					
Lead	2740	ug/L		2778	2.29	99	70-130	1	20
<u>Batch B341916 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341916-BLK1)				Prepared: 08/22/23 Analyzed: 08/24/23					
Lead	< 1.11	ug/L							
LCS (B341916-BS1)				Prepared: 08/22/23 Analyzed: 08/24/23					
Lead	579	ug/L		111.1		521	85-115		
Matrix Spike (B341916-MS1)				Prepared: 08/22/23 Analyzed: 08/24/23					
Lead	587	ug/L		111.1	16.1	514	70-130		
Matrix Spike Dup (B341916-MSD1)				Prepared: 08/22/23 Analyzed: 08/24/23					
Lead	591	ug/L		111.1	16.1	517	70-130	0.6	20
<u>Batch B342891 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B342891-BLK1)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	< 1.00	ug/L							
LCS (B342891-BS1)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	53.1	ug/L		50.00		106	85-115		
Matrix Spike (B342891-MS1)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.7	ug/L		50.00	0.935	103	70-130		
Matrix Spike (B342891-MS2)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	51.9	ug/L		50.00	ND	104	70-130		
Matrix Spike (B342891-MS3)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	53.3	ug/L		50.00	1.70	103	70-130		
Matrix Spike (B342891-MS4)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.8	ug/L		50.00	0.246	105	70-130		
Matrix Spike (B342891-MS5)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.1	ug/L		50.00	0.843	102	70-130		
Matrix Spike (B342891-MS6)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.9	ug/L		50.00	ND	106	70-130		
Matrix Spike (B342891-MS7)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	49.8	ug/L		50.00	ND	100	70-130		
Matrix Spike (B342891-MS8)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.4	ug/L		50.00	ND	105	70-130		
Matrix Spike (B342891-MS9)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	51.7	ug/L		50.00	ND	103	70-130		
Matrix Spike (B342891-MSA)				Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.2	ug/L		50.00	0.617	103	70-130		



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B342891-MSB)	Sample: GG05182-44			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	108	ug/L		50.00	ND	216	70-130		
Matrix Spike (B342891-MSC)	Sample: GG05182-54			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	100	ug/L		50.00	ND	200	70-130		
Matrix Spike (B342891-MSD)	Sample: GG05182-64			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	106	ug/L		50.00	ND	213	70-130		
Matrix Spike Dup (B342891-MSD1)	Sample: GG04970-40			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	51.6	ug/L		50.00	0.935	101	70-130	2	20
Matrix Spike Dup (B342891-MSD2)	Sample: GG04971-05			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	54.8	ug/L		50.00	ND	110	70-130	6	20
Matrix Spike Dup (B342891-MSD3)	Sample: GG04971-15			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	55.6	ug/L		50.00	1.70	108	70-130	4	20
Matrix Spike Dup (B342891-MSD4)	Sample: GG04971-26			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	53.0	ug/L		50.00	0.246	105	70-130	0.3	20
Matrix Spike Dup (B342891-MSD5)	Sample: GG04971-36			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	50.2	ug/L		50.00	0.843	99	70-130	4	20
Matrix Spike Dup (B342891-MSD6)	Sample: GG04994-04			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	51.9	ug/L		50.00	ND	104	70-130	2	20
Matrix Spike Dup (B342891-MSD7)	Sample: GG05182-04			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	51.1	ug/L		50.00	ND	102	70-130	3	20
Matrix Spike Dup (B342891-MSD8)	Sample: GG05182-14			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	49.8	ug/L		50.00	ND	100	70-130	5	20
Matrix Spike Dup (B342891-MSD9)	Sample: GG05182-24			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	52.5	ug/L		50.00	ND	105	70-130	2	20
Matrix Spike Dup (B342891-MSDA)	Sample: GG05182-34			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	54.1	ug/L		50.00	0.617	107	70-130	4	20
Matrix Spike Dup (B342891-MSDB)	Sample: GG05182-44			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	102	ug/L		50.00	ND	203	70-130	6	20
Matrix Spike Dup (B342891-MSDC)	Sample: GG05182-54			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	105	ug/L		50.00	ND	211	70-130	5	20
Matrix Spike Dup (B342891-MSDD)	Sample: GG05182-64			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	106	ug/L		50.00	ND	211	70-130	0.7	20
Matrix Spike Dup (B342891-MSDE)	Sample: GG05184-18			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	101	ug/L		50.00	ND	201	70-130	9	20
Matrix Spike (B342891-MSE)	Sample: GG05184-18			Prepared: 09/05/23 Analyzed: 09/06/23					
Lead	110	ug/L		50.00	ND	220	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

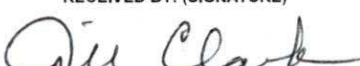


REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

1/4

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 SAMPLER (PLEASE PRINT) Ethan Boyer SAMPLER'S SIGNATURE 		PROJECT LOCATION SMS E-MAIL ggriissom@sciengineering.com MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		3 ANALYSIS REQUESTED DW Pb Turb Check		4 (FOR LAB USE ONLY) LOGIN # <u>6604971</u> LOGGED BY: _____ 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	REMARKS	
SMS- 1		7-26-23	1758	X X	DW	1	6	X X	
SMS- 2		7-26-23	1800	X X	DW	1	6	X X	
SMS- 3		7-26-23	1801	X X	DW	1	6	X X	
SMS- 4		7-26-23	1903	X X	DW	1	6	X X	
SMS- 5		7-26-23	1804	X X	DW	1	6	X X	
SMS- 6		7-26-23	1805	X X	DW	1	6	X X	
SMS- 7		7-26-23	1807	X X	DW	1	6	X X	
SMS- 8		7-26-23	1807	X X	DW	1	6	X X	
SMS- 9		7-26-23	1810	X X	DW	1	6	X X	
SMS- 10		7-26-23	1811	X X	DW	1	6	X X	
SMS- 11		7-26-23	1813	X X	DW	1	6	X X	
CHEMICAL PRESERVATION CODES: 1-HCL 2-H2SO4 3-HNO3 4-NAOH 5-NA2S2O3 6-UNPRESERVED 7-OTHER									
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: _____ PHONE # IF DIFFERENT FROM ABOVE: _____				6 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) _____		DATE RESULTS NEEDED			
7 RELINQUISHED BY: (SIGNATURE) 		DATE 7-27-23 TIME 15:38		RECEIVED BY: (SIGNATURE) 		DATE 7/27/23 TIME 1538		8 COMMENTS: (FOR LAB USE ONLY)	
RELINQUISHED BY: (SIGNATURE)		DATE		RECEIVED BY: (SIGNATURE)		DATE		SAMPLE TEMPERATURE UPON RECEIPT <u>24.6</u> °C	
RELINQUISHED BY: (SIGNATURE)		TIME		RECEIVED BY: (SIGNATURE)		TIME		CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N	
RELINQUISHED BY: (SIGNATURE)		DATE		RECEIVED BY: (SIGNATURE)		DATE		SAMPLE(S) RECEIVED ON ICE Y OR N	
RELINQUISHED BY: (SIGNATURE)		TIME		RECEIVED BY: (SIGNATURE)		TIME		SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N	
DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____									

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

2/4

CHAIN OF CUSTODY RECORD
 STATE WHERE SAMPLE COLLECTED MO

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

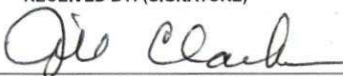
1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION SMS		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>6604971</u> LOGGED BY: _____ CLIENT: <u>SCI Engineering</u> PROJECT: <u>Drinking Water Lead</u> PROJ. MGR.: <u>Chenise Lambert-Sykes</u> CUSTODY SEAL #: _____			
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) Ethan Boyer		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT- LEACHATE OIL- OIL SO- SOL SOL- SOLID		BOTTLE COUNT						PRES CODE CLIENT PROVIDED	
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE		DATE COLLECTED		TIME COLLECTED						SAMPLE TYPE	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED	
SMS-12		7-26-23		18:13		X X		DW		1		6	
SMS-13		7-26-23		18:16		X X		DW		1		6	
SMS-14		7-26-23		18:17		X X		DW		1		6	
SMS-15		7-26-23		18:18		X X		DW		1		6	
SMS-16		7-26-23		18:20		X X		DW		1		6	
SMS-17		7-26-23		18:21		X X		DW		1		6	
SMS-18		7-26-23		18:22		X X		DW		1		6	
SMS-19		7-26-23		18:22		X X		DW		1		6	
SMS-20		7-26-23		18:23		X X		DW		1		6	
SMS-21		7-26-23		18:24		X X		DW		1		6	
SMS-22		7-26-23		18:25		X X		DW		1		6	
CHEMICAL PRESERVATION CODES: 1-HCL 2-H2SO4 3-HNO3 4-NAOH 5-NA2S2O3 6-UNPRESERVED 7-OTHER													
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: _____ PHONE # IF DIFFERENT FROM ABOVE: _____						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 7.27.23 TIME 15:38		RECEIVED BY: (SIGNATURE) 				DATE 7/27/23 TIME 1538		8 COMMENTS: (FOR LAB USE ONLY)			
RELINQUISHED BY: (SIGNATURE)		DATE		RECEIVED BY: (SIGNATURE)				DATE		SAMPLE TEMPERATURE UPON RECEIPT <u>24.6</u> °C			
RELINQUISHED BY: (SIGNATURE)		TIME		RECEIVED BY: (SIGNATURE)				TIME		CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N			
RELINQUISHED BY: (SIGNATURE)		DATE		RECEIVED BY: (SIGNATURE)				DATE		SAMPLE(S) RECEIVED ON ICE Y OR N			
RELINQUISHED BY: (SIGNATURE)		TIME		RECEIVED BY: (SIGNATURE)				TIME		SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N			
DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____													

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

3/4

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 SMS		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # <u>GG04971</u> LOGGED BY: _____ 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 ggriissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check				REMARKS		
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Ethan Boyer		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LGHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID		BOTTLE COUNT							PRES CODE CLIENT PROVIDED	
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE 												
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	
SMS- 23		7-26-23	1826	X	X	DW	1	6	X X					
SMS- 24		7-26-23	1832	X	X	DW	1	6	X X					
SMS- 25		7-26-23	1836	X	X	DW	1	6	X X					
SMS- 26		7-26-23	1838	X	X	DW	1	6	X X					
SMS- 27		7-26-23	1839	X	X	DW	1	6	X X					
SMS- 28		7-26-23	1841	X	X	DW	1	6	X X					
SMS- 29		7-26-23	1842	X	X	DW	1	6	X X					
SMS- 30		7-26-23	1844	X	X	DW	1	6	X X					
SMS- 31		7-26-23	1846	X	X	DW	1	6	X X					
SMS- 32		7-26-23	1849	X	X	DW	1	6	X X					
SMS- 33		7-26-23	1850	X	X	DW	1	6	X X					
CHEMICAL PRESERVATION CODES: 1- HCL 2- H2SO4 3- HNO3 4- NaOH 5- NA2S2O3 6- UNPRESERVED 7- OTHER														
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: _____ PHONE # IF DIFFERENT FROM ABOVE: _____						DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample performance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____						
7 RELINQUISHED BY: (SIGNATURE) 		DATE 7-27-23 TIME 15:38	RECEIVED BY: (SIGNATURE) 				DATE 7/27/23 TIME 1538	8 COMMENTS: (FOR LAB USE ONLY)						
RELINQUISHED BY: (SIGNATURE)		DATE TIME	RECEIVED BY: (SIGNATURE)				DATE TIME	SAMPLE TEMPERATURE UPON RECEIPT <u>24.6</u> °C						
RELINQUISHED BY: (SIGNATURE)		DATE TIME	RECEIVED BY: (SIGNATURE)				DATE TIME	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 _____						



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

October 22, 2023

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

RE: 2018-0351.2T-Selvidge Middle

Dear Glenn Grissom:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **8/18/23 3:20 pm** and logged in under work order **GH04171**. 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', is positioned above the printed name and contact information.

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 GH04171

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



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

Case Narrative

The drinking water lead analysis was performed at Pace-Ormond Beach, FL. Please refer to the subcontract section of the report for details.



ANALYTICAL RESULTS

Sample: GH04171-01
Name: SMS-43
Matrix: Drinking Water - Grab

Sampled: 08/17/23 19:28
Received: 08/18/23 15:20

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

Subcontracted Analysis - Pace Analytical - Ormond Beach

Lead	2.9	ug/L		08/17/23 19:28	1	1		PACE	EPA 200.8 REV 5.4
------	-----	------	--	----------------	---	---	--	------	-------------------

Sample: GH04171-02
Name: SMS-44
Matrix: Drinking Water - Grab

Sampled: 08/17/23 19:29
Received: 08/18/23 15:20

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

Subcontracted Analysis - Pace Analytical - Ormond Beach

Lead	3.2	ug/L		08/17/23 19:29	1	1		PACE	EPA 200.8 REV 5.4
------	-----	------	--	----------------	---	---	--	------	-------------------



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



October 12, 2023

Chenise Lambert-Sykes
Pace Analytical Services, Inc - IL/MO
944 Anglum Road
Hazelwood, MO 63042

RE: Project: GH04171
Pace Project No.: 35832471

Dear Chenise Lambert-Sykes:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Bradley Smith'.

Brad Smith
brad.smith@pacelabs.com
(386) 672-5668
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GH04171

Pace Project No.: 35832471

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #: ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GH04171
Pace Project No.: 35832471

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35832471001	GH04171-01	EPA 200.8	LEC	1	PASI-O
35832471002	GH04171-02	EPA 200.8	LEC	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GH04171

Pace Project No.: 35832471

Sample: GH04171-01		Lab ID: 35832471001	Collected: 08/17/23 19:28	Received: 10/05/23 16:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach						
Lead	2.9	ug/L	1.0	1		10/12/23 18:29	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GH04171
Pace Project No.: 35832471

Sample: GH04171-02		Lab ID: 35832471002	Collected: 08/17/23 19:29	Received: 10/05/23 16:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach						
Lead	3.2	ug/L	1.0	1		10/12/23 18:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GH04171

Pace Project No.: 35832471

QC Batch: 957549

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET No Prep Drinking Water

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35832471001, 35832471002

METHOD BLANK: 5265796

Matrix: Water

Associated Lab Samples: 35832471001, 35832471002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/12/23 18:39	

LABORATORY CONTROL SAMPLE: 5265797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.3	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5265792 5265793

Parameter	Units	35832452102 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	3.8	50	50	55.9	55.7	104	104	70-130	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5265794 5265795

Parameter	Units	35832475001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	ND	50	50	50.5	49.8	101	99	70-130	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GH04171
Pace Project No.: 35832471

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GH04171

Pace Project No.: 35832471

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35832471001	GH04171-01	EPA 200.8	957549		
35832471002	GH04171-02	EPA 200.8	957549		

REPORT OF LABORATORY ANALYSIS

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SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC
GH04171

WO# : 35832471



SENDING LABORATORY

PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

Pace Analytical - Ormond Beach
8 East Tower Circle
Ormond Beach, FL 32174
(386) 676-4842

Sample: GH04171-01
Name: SMS-43

Sampled: 08/17/23 19:28
Matrix: Drinking Water
Preservative: HNO₃, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/13/24 19:28	
01-Turb check	08/31/23 16:00	02/13/24 19:28	

Sample: GH04171-02
Name: SMS-44

Sampled: 08/17/23 19:29
Matrix: Drinking Water
Preservative: HNO₃, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/13/24 19:29	
01-Turb check	08/31/23 16:00	02/13/24 19:29	

Please email results to Chenise Lambert-Sykes at Chenise.Lambert-Sykes@pacelabs.com

Date Shipped: 10/2/23 Total # of Containers: 2 Sample Origin (State): _____ PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH

Date Results Needed: _____

Relinquished By	<u>Yusef Z. Sykes</u>	Date/Time	<u>10/1/23 1200</u>	Received By	<u>[Signature]</u>	Date/Time	<u>10/2/23 0545</u>	Sample Temperature Upon Receipt	<u>22.5 °C</u>
Relinquished By	<u>[Signature]</u>	Date/Time	<u>10/2/23 0545</u>	Received By	<u>Blp Pace</u>	Date/Time	<u>10/5/23 1620</u>	Sample(s) Received on Ice	<u>Y</u> or <u>N</u>
								Proper Bottles Received in Good Condition	<u>Y</u> or <u>N</u>
								Bottles Filled with Adequate Volume	<u>Y</u> or <u>N</u>
								Samples Received Within Hold Time	<u>Y</u> or <u>N</u>
								Date/Time Taken From Sample Bottle	<u>Y</u> or <u>N</u>

Pace

Sample Condition Upon Receipt Form (SCURF)

WO# : 35832471

PM: BTS

Due Date: 10/13/23

CLIENT: PACHAZ

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials:

Thermometer Used:

Date:

Time:

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 24.3 (Visual) tail (Correction Factor) 24.4 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 25.3 (Visual) (Correction Factor) 25.4 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ 23.9 (Visual) (Correction Factor) 23.3 (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ 22.2 (Visual) (Correction Factor) 22.3 (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ 24.4 (Visual) (Correction Factor) 24.5 (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ 25.3 (Visual) (Correction Factor) 25.4 (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Shipping Method: ☐ Standard Overnight ☐ First Overnight ☐ Priority Overnight ☒ Ground ☐ International Priority ☐ Other:

Billing: ☐ Recipient ☒ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # 7903 7806 2713

Custody Seal Present: ☐ Yes ☐ No Seal properly placed and intact: ☐ Yes ☐ No

Ice: ☐ Wet ☐ Blue ☒ Dry ☐ None ☐ Melted

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other:

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date:

Shorted Time:

Bottle Quantity / Type:

Chain of Custody: Present: ☒ Yes ☐ No | Filled Out: ☐ Yes ☐ No ☐ N/A | Relinquished From Pace: ☐ Yes ☐ No ☐ N/A | Sampler Name: ☒ Yes ☐ No ☐ N/A

Relinquished To Pace: ☐ Yes ☐ No ☐ N/A | Sampling Date(s): ☐ Yes ☐ No ☐ N/A | Sampling Time(s): ☐ Yes ☐ No ☐ N/A

Samples Arrived within Hold Time. ☒ Yes ☐ No ☐ N/A

Rush Turnaround Requested on COC. ☐ Yes ☒ No ☐ N/A

Sufficient Volume. ☐ Yes ☐ No ☐ N/A

Correct Containers Used. ☒ Yes ☐ No ☐ N/A

Containers Intact. ☐ Yes ☐ No ☐ N/A

Sample Labels Match COC (Sample ID, Date/Time of Collection). ☒ Yes ☐ No ☐ N/A

All containers needing acid / base preservation have been checked. ☒ Yes ☐ No ☐ N/A

All containers needing preservation are found to be in compliance with EPA recommendation. ☒ Yes ☐ No ☐ N/A

Exceptions: Vials, Microbiology, O&G, PFAS

Headspace in Volatile Vials? (>6mm): ☐ Yes ☐ No ☒ N/A

Trip Blank Present: ☐ Yes ☐ No ☒ N/A

Preservation Information

Preservative: Date:

Lot / Trace: Time:

Amount added (mL): Initials:

Comments / Resolutions (use back for additional comments):

Cooler #14, 23.6, Cooler #15, 25.7 All containers arrived in 500mL Co

- 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.

November 22, 2023

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



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

RE: 2018-0351.2A T200

WorkOrder: 23111537

Dear Brian Lieb:

TEKLAB, INC received 8 samples on 11/20/2023 2:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: SCI Engineering, Inc.

Work Order: 23111537

Client Project: 2018-0351.2A T200

Report Date: 22-Nov-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: 23111537

Client Project: 2018-0351.2A T200

Report Date: 22-Nov-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: 23111537

Client Project: 2018-0351.2A T200

Report Date: 22-Nov-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: 23111537

Client Project: 2018-0351.2A T200

Report Date: 22-Nov-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:** 23111537**Client Project:** 2018-0351.2A T200**Report Date:** 22-Nov-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: 23111537

Client Project: 2018-0351.2A T200

Report Date: 22-Nov-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									
23111537-001A	SMS-17R	NELAP		1.0	1.9	µg/L	1	11/22/2023 7:36	11/18/2023 2:40
23111537-002A	SMS-17(2nd)	NELAP		1.0	< 1.0	µg/L	1	11/22/2023 7:41	11/18/2023 2:41
23111537-003A	SMS-20R	NELAP		1.0	3.1	µg/L	1	11/22/2023 7:53	11/18/2023 2:44
23111537-004A	SMS-20(2nd)	NELAP		1.0	< 1.0	µg/L	1	11/22/2023 7:57	11/18/2023 2:45
23111537-005A	SMS-22R	NELAP		1.0	1.6	µg/L	1	11/22/2023 8:01	11/18/2023 2:47
23111537-006A	SMS-22(2nd)	NELAP		1.0	< 1.0	µg/L	1	11/22/2023 8:05	11/18/2023 2:49
23111537-007A	SMS-23R	NELAP		1.0	9.8	µg/L	1	11/22/2023 2:28	11/18/2023 2:51
23111537-008A	SMS-23(2nd)	NELAP		1.0	6.2	µg/L	1	11/22/2023 2:32	11/18/2023 2:52

Client: SCI Engineering, Inc.

Work Order: 23111537

Client Project: 2018-0351.2A T200

Report Date: 22-Nov-23

Carrier: Payton Yoch

Received By: AMD

Completed by:

On:

20-Nov-23

Amber Dilallo

Reviewed by:

On:

20-Nov-23

Ellie Hopkins

Pages to follow:

Chain of custody

Extra pages included

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C **N/A**

Type of thermal preservation?

None ☒

Ice ☐

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

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

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 11/20/2023 2:22:00 PM

CHAIN OF CUSTODY

pg. 1 of 1

Work order # 2311537

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

Client: SCI Engineering, Inc.
 Address: 130 Point West Boulevard
 City / State / Zip: St. Charles, MO 63301
 Contact: Brian Lieb Phone: (636) 949-8200
 E-Mail: blieb@sciengineering.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE N/A °C LTG#
 Preserved in: ☐ LAB ☐ FIELD **FOR LAB USE ONLY**
 Lab Notes
 Client Comments: 5 PPD

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

Project Name/Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED																			
Results Requested		Billing Instructions		# and Type of Containers		Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW Lead													
☐ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other ☐ 3 Day (50% Surcharge)				UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER														
Lab Use Only	Sample Identification	Date/Time Sampled																							
2311537	SM5-17R	11/18/23 0240	1									X				X									
002	SM5-17(2nd)	11/18/23 0241	1									X				X									
003	SM5-20R	11/18/23 0244	1									X				X									
004	SM5-20(2nd)	11/18/23 0245	1									X				X									
005	SM5-22R	11/18/23 0247	1									X				X									
006	SM5-22(2nd)	11/18/23 0249	1									X				X									
007	SM5-23R	11/18/23 0251																							
008	SM5-23(2nd)	11/18/23 0252																							
Relinquished By			Date/Time			Received By			Date/Time																
[Signature]			11/20/23 10:30am			[Signature]			11/20/23 1230																
[Signature]			11/20/23 1400			[Signature]			11/20/23 1400																

December 07, 2023

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



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

RE: 2018-0351.2A T200

WorkOrder: 23111933

Dear Brian Lieb:

TEKLAB, INC received 2 samples on 11/28/2023 11:35:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: SCI Engineering, Inc.

Work Order: 23111933

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

This reporting package includes the following:

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

Client: SCI Engineering, Inc.**Work Order:** 23111933**Client Project:** 2018-0351.2A T200**Report Date:** 07-Dec-23**Abbr Definition**

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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: 23111933

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Qualifiers

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



Case Narrative

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

Client: SCI Engineering, Inc.

Work Order: 23111933

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Cooler Receipt Temp: NA °C

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Client: SCI Engineering, Inc.**Work Order:** 23111933**Client Project:** 2018-0351.2A T200**Report Date:** 07-Dec-23

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



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111933

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23111933-001A	SMS-39R	NELAP		1.0	< 1.0	µg/L	1	12/04/2023 17:37	11/22/2023 20:24
23111933-002A	SMS-39(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/04/2023 17:41	11/22/2023 20:25



Receiving Check List

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

Client: SCI Engineering, Inc.

Work Order: 23111933

Client Project: 2018-0351.2A T200

Report Date: 07-Dec-23

Carrier: Craig McKinney

Received By: HAW

Completed by:

On:

28-Nov-23

Mary E Kemp

Reviewed by:

On:

28-Nov-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

NA

Type of thermal preservation?

None ☒

Ice ☐

Blue Ice ☐

Dry Ice

☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

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

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - MaryKemp - 11/28/2023 1:26:15 PM

Pg 1 of 1 Workorder # 23111933

Client: SCI Engineering INC
Address: 130 Point West Blvd
City/State/Zip: Saint Charles/MO/63301
Contact: Brian Lieb Phone: 636-949-8200
Email: blieb@sciengineering.com Fax: _____

Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE NA °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments:
Must Meet 5 PPB

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

PROJECT NAME/NUMBER
2018-0351.2A T200

SAMPLE COLLECTOR'S NAME

RESULTS REQUESTED

BILLING INSTRUCTIONS

☒ Standard
 ☐ 1-2 Day (100% Surcharge)
 ☐ Other _____
 ☐ 3 Day (50% Surcharge)

542

and Type of Containers

INDICATE ANALYSIS REQUESTED

[illegible][illegible]

Relinquished By	Date/Time	Received By	Date/Time
 	2270 11/22/23 11/28/23 1135	 Dash Wan	11/28/23 1025 11/28/23 1135

*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

HW 11/20



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-SELVIDGE MS

Dear Brian Lieb:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **12/3/24 4:50 pm** and logged in under work order **HL01106**. 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 HL01106

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



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

ANALYTICAL RESULTS

Sample: HL01106-01

Name: SMS-23R2

Matrix: Drinking Water - Grab

Sampled: 11/27/24 21:03

Received: 12/03/24 16:50

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

Total Metals - PIA

Lead	2.52	ug/L		12/11/24 10:05	1	1.00	12/11/24 12:52	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 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



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

1 CLIENT SCI Engineering 130 Point West Blvd St. Charles, MO 63301 CONTACT PERSON Brian Lieb		2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) SMS-23RZ		3 ANALYSIS REQUESTED DW Pb Turb Check		4 (FOR LAB USE ONLY) LOGIN # H01106 LOGGED BY: [Signature] CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Cherisse Lambert-Sykes CUSTODY SEAL #:	
5 PROJECT NUMBER 2018-0351.2A T200 PHONE NUMBER (314) 581-7570 PROJECT LOCATION Seledge MS E-MAIL blieb@sciengineering.com		6 DATE COLLECTED 11/27/24 TIME COLLECTED 2107		7 - OTHER		8 COMMENTS: (FOR LAB USE ONLY)	
9 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH		10 DATE RESULTS NEEDED		11 RECEIVED BY: (SIGNATURE) [Signature]		12 RECEIVED BY: (SIGNATURE) [Signature]	
13 RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE		14 PHONE # IF DIFFERENT FROM ABOVE:		15 RECEIVED BY: (SIGNATURE) [Signature]		16 RECEIVED BY: (SIGNATURE) [Signature]	
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ENV-FRM-PEOR-0098 v02_Sample Condition Upon Receipt



Client Name: SCI Engineering

Work Order #: _____

Completed by Initials/Date: CRB 12-3-2016

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.