



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
Chesterfield Elementary School
17700 Wild Horse Creek Road
Chesterfield, 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 11, 2023, and subsequent resampling conducted on November 17, 2023, and May 10 and June 19, 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 of these fixtures. Potable water sources that were not sampled will need a sign placed near each fixture informing students and faculty that it is not to be used as a drinking water source.

During the course of performing the initial 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 11, 2023, SCI initially collected 36 drinking water samples (CES-1 through CES-36) from various water fixtures located throughout the structure and submitted them for analytical testing. During this sampling event, 7 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. One fixture was removed, the other six were taken out of service until remediation activities could be completed.

During SCI’s resampling event on November 17, 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, 3 fixtures were below the AL and were returned to service, the remaining 2 fixtures were above the AL, and further remediation activities were recommended.

During SCI’s resampling event on May 10, 2024, 1 drinking water sample was collected from a fixture which previously exceeded the AL. During this resampling event, the fixture was below the AL and was returned to service.

During SCI’s resampling event on June 10, 2024, 2 drinking water samples were collected from fixtures which previously exceeded the AL. During this resampling event, both fixtures were below the AL and were returned to service.

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

The drinking water samples were analyzed for lead in accordance with the GTLOSDWA Section 160.077, which establishes an action level (AL) of 5 parts per billion (ppb). The drinking water samples which initially exceeded the AL are identified in Table 1, 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)
CES-4	Kitchen	Food Prep Sink	8.4	4.7	<1.0	NS
CES-5	Kitchen	North Handwash Sink	6.04	3.2	<1.0	NS

NS-Not Sampled

Table 1 – Lead in Drinking Water Results (continued)

Sample Number	Sample Location	Sample Description	Initial Result (ppb)	Resampling-First Draw (ppb)	Resampling-Second Draw (ppb)	2 nd Resample (ppb)
CES-6	Kitchen Three Sink Basin	Left Sink	57.1	18.1	<1.0	2.18
CES-8	Kitchen Three Sink Basin	Right Sink	6.44	2.2	<1.0	NS
CES-9	Kitchen	South Handwash Station	10.3	5.1	<1.0	1.54
CES-17	Hallway Outside Room 5	Bottle Filler	26.7	NS		<1.0
CES-24	Room 8	Drinking Fountain	8.94	NS		

NS-Not Sampled

CONCLUSION AND RECOMMENDATIONS

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

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

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

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

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

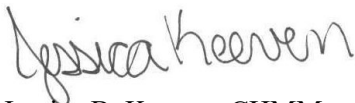
SCI appreciates the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding the information provided.

Respectfully,

SCI ENGINEERING, INC.

Handwritten signature of Ethan D. Boyer in black ink.

Ethan D. Boyer
Staff Scientist

Handwritten signature of Jessica B. Keeven in black ink.

Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/GBK/bmw

Enclosures
Lead Testing Results



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

August 18, 2023

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

RE: 2018-0351.2T-Chesterfield Elem

Dear Glenn Grissom:

Please find enclosed the analytical results for the **36** sample(s) the laboratory received on **7/19/23 3:30 pm** and logged in under work order **GG03493**. 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 GG03493

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: GG03493-01
Name: CES - 01
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:11
Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/08/23 13:02	1	1.00	08/14/23 16:54	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-02
Name: CES - 02
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:14
Received: 07/19/23 15:30

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

Lead	1.16	ug/L		08/12/23 08:37	1	1.00	08/12/23 12:46	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-03
Name: CES - 03
Matrix: Drinking Water - Grab

Sampled: 07/14/23 18:15
Received: 07/19/23 15:30

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

Lead	4.49	ug/L		08/15/23 10:38	1	1.00	08/17/23 17:38	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-04
Name: CES - 04
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:19
Received: 07/19/23 15:30

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

Lead	8.40	ug/L		08/12/23 08:37	1	1.00	08/12/23 12:49	wjm	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-05
Name: CES - 05
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:22

Received: 07/19/23 15:30

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

Lead	6.04	ug/L		08/12/23 08:37	1	1.00	08/12/23 12:51	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-06
Name: CES - 06
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:23

Received: 07/19/23 15:30

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

Lead	57.1	ug/L		08/12/23 08:37	1	1.00	08/12/23 12:56	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-07
Name: CES - 07
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:25

Received: 07/19/23 15:30

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

Lead	4.89	ug/L		08/12/23 08:37	1	1.00	08/12/23 12:57	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-08
Name: CES - 08
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:26

Received: 07/19/23 15:30

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

Lead	6.44	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:02	wjm	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-09
Name: CES - 09
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:29

Received: 07/19/23 15:30

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

Lead	10.3	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:04	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-10
Name: CES - 10
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:35

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:05	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-11
Name: CES - 11
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:37

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:07	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-12
Name: CES - 12
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:38

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:08	wjm	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-13
Name: CES - 13
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:40

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:10	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-14
Name: CES - 14
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:42

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:12	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-15
Name: CES - 15
Matrix: Drinking Water - Grab

Sampled: 07/14/23 18:30

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/12/23 13:13	wjm	EPA 200.8 REV 5.4
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Sample: GG03493-16
Name: CES - 16
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:46

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:26	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-17
Name: CES - 17
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:49

Received: 07/19/23 15:30

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

Lead	26.7	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:28	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-18
Name: CES - 18
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:51

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:30	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-19
Name: CES - 19
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:52

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:31	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-20
Name: CES - 20
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:54

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:33	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-21
Name: CES - 21
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:56

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:34	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-22
Name: CES - 22
Matrix: Drinking Water - Grab

Sampled: 07/11/23 18:58

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:36	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-23
Name: CES - 23
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:00

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:37	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-24
Name: CES - 24
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:03

Received: 07/19/23 15:30

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

Lead	8.94	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:46	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-25
Name: CES - 25
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:15

Received: 07/19/23 15:30

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

Lead	3.70	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:48	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-26
Name: CES - 26
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:17

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:52	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-27
Name: CES - 27
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:12

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:54	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-28
Name: CES - 28
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:24

Received: 07/19/23 15:30

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

Lead	1.46	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:55	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-29
Name: CES - 29
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:25

Received: 07/19/23 15:30

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

Lead	1.79	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:57	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-30
Name: CES - 30
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:29

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 11:59	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-31
Name: CES - 31
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:30

Received: 07/19/23 15:30

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

Lead	1.54	ug/L		08/12/23 08:37	1	1.00	08/14/23 12:00	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-32
Name: CES - 32
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:31

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 12:05	KMC	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: GG03493-33
Name: CES - 33
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:32

Received: 07/19/23 15:30

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

Lead	2.16	ug/L		08/12/23 08:37	1	1.00	08/14/23 12:06	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-34
Name: CES - 34
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:34

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/12/23 08:37	1	1.00	08/14/23 12:08	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-35
Name: CES - 35
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:35

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L	Q3, R	08/12/23 08:37	1	1.00	08/14/23 12:09	KMC	EPA 200.8 REV 5.4
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Sample: GG03493-36
Name: CES - 36
Matrix: Drinking Water - Grab

Sampled: 07/11/23 19:39

Received: 07/19/23 15:30

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

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 16:58	KMC	EPA 200.8 REV 5.4
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B340655 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B340655-BLK1)				Prepared: 08/08/23 Analyzed: 08/14/23					
Lead	< 1.11	ug/L							
LCS (B340655-BS1)				Prepared: 08/08/23 Analyzed: 08/14/23					
Lead	560	ug/L		555.6		101	85-115		
Matrix Spike (B340655-MS1)				Sample: GG03325-03 Prepared: 08/08/23 Analyzed: 08/14/23					
Lead	1070	ug/L		555.6	5.50	192	70-130		
Matrix Spike (B340655-MS2)				Sample: GG03493-01 Prepared: 08/08/23 Analyzed: 08/14/23					
Lead	571	ug/L		555.6	0.742	103	70-130		
Matrix Spike Dup (B340655-MSD1)				Sample: GG03325-03 Prepared: 08/08/23 Analyzed: 08/14/23					
Lead	562	ug/L		555.6	5.50	100	70-130	62	20
Matrix Spike Dup (B340655-MSD2)				Sample: GG03493-01 Prepared: 08/08/23 Analyzed: 08/14/23					
Lead	565	ug/L		555.6	0.742	102	70-130	1	20
<u>Batch B341103 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341103-BLK1)				Prepared & Analyzed: 08/12/23					
Lead	< 1.00	ug/L							
LCS (B341103-BS1)				Prepared & Analyzed: 08/12/23					
Lead	49.0	ug/L		50.00		98	85-115		
Matrix Spike (B341103-MS1)				Sample: GG01579-09 Prepared: 08/12/23 Analyzed: 08/12/23					
Lead	54.2	ug/L		50.00	1.24	106	70-130		
Matrix Spike (B341103-MS2)				Sample: GG02350-03 Prepared: 08/12/23 Analyzed: 08/12/23					
Lead	54.3	ug/L		50.00	0.330	108	70-130		
Matrix Spike (B341103-MS3)				Sample: GG03910-70 Prepared: 08/12/23 Analyzed: 08/12/23					
Lead	58.5	ug/L		50.00	7.45	102	70-130		
Matrix Spike (B341103-MS4)				Sample: GG03490-30 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	48.2	ug/L		50.00	ND	96	70-130		
Matrix Spike (B341103-MS5)				Sample: GG03493-05 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	54.7	ug/L		50.00	6.04	97	70-130		
Matrix Spike (B341103-MS6)				Sample: GG03493-15 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	53.2	ug/L		50.00	0.197	106	70-130		
Matrix Spike (B341103-MS7)				Sample: GG03493-25 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	52.1	ug/L		50.00	3.70	97	70-130		
Matrix Spike (B341103-MS8)				Sample: GG03493-35 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	96.2	ug/L	Q1	50.00	ND	192	70-130		
Matrix Spike Dup (B341103-MSD1)				Sample: GG01579-09 Prepared: 08/12/23 Analyzed: 08/12/23					
Lead	53.6	ug/L		50.00	1.24	105	70-130	1	20
Matrix Spike Dup (B341103-MSD2)				Sample: GG02350-03 Prepared: 08/12/23 Analyzed: 08/12/23					
Lead	53.0	ug/L		50.00	0.330	105	70-130	2	20
Matrix Spike Dup (B341103-MSD3)				Sample: GG03910-70 Prepared: 08/12/23 Analyzed: 08/12/23					
Lead	59.7	ug/L		50.00	7.45	105	70-130	2	20
Matrix Spike Dup (B341103-MSD4)				Sample: GG03490-30 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	52.4	ug/L		50.00	ND	105	70-130	8	20
Matrix Spike Dup (B341103-MSD5)				Sample: GG03493-05 Prepared: 08/12/23 Analyzed: 08/14/23					
Lead	55.2	ug/L		50.00	6.04	98	70-130	0.9	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341103-MSD6)				Sample: GG03493-15		Prepared: 08/12/23 Analyzed: 08/14/23			
Lead	51.3	ug/L		50.00	0.197	102	70-130	4	20
Matrix Spike Dup (B341103-MSD7)				Sample: GG03493-25		Prepared: 08/12/23 Analyzed: 08/14/23			
Lead	49.0	ug/L		50.00	3.70	91	70-130	6	20
Matrix Spike Dup (B341103-MSD8)				Sample: GG03493-35		Prepared: 08/12/23 Analyzed: 08/14/23			
Lead	35.4	ug/L	Q2	50.00	ND	71	70-130	92	20
<u>Batch B341157 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341157-BLK1)				Prepared & Analyzed: 08/14/23					
Lead	< 1.00	ug/L							
LCS (B341157-BS1)				Prepared & Analyzed: 08/14/23					
Lead	52.8	ug/L		50.00		106	85-115		
Matrix Spike (B341157-MS1)				Sample: GG03614-22		Prepared & Analyzed: 08/14/23			
Lead	59.5	ug/L		50.00	4.96	109	70-130		
Matrix Spike (B341157-MS2)				Sample: GG03696-03		Prepared & Analyzed: 08/14/23			
Lead	57.9	ug/L		50.00	ND	116	70-130		
Matrix Spike (B341157-MS3)				Sample: GG03696-13		Prepared & Analyzed: 08/14/23			
Lead	49.5	ug/L		50.00	0.198	99	70-130		
Matrix Spike (B341157-MS4)				Sample: GG03696-23		Prepared & Analyzed: 08/14/23			
Lead	50.6	ug/L		50.00	1.04	99	70-130		
Matrix Spike (B341157-MS5)				Sample: GG03696-33		Prepared & Analyzed: 08/14/23			
Lead	53.2	ug/L		50.00	0.798	105	70-130		
Matrix Spike (B341157-MS6)				Sample: GG03542-09		Prepared & Analyzed: 08/14/23			
Lead	148	ug/L		50.00	24.4	248	70-130		
Matrix Spike (B341157-MS7)				Sample: GG03542-19		Prepared & Analyzed: 08/14/23			
Lead	127	ug/L		50.00	0.233	255	70-130		
Matrix Spike (B341157-MS8)				Sample: GG03542-29		Prepared & Analyzed: 08/14/23			
Lead	126	ug/L		50.00	1.86	248	70-130		
Matrix Spike (B341157-MS9)				Sample: GG03614-02		Prepared & Analyzed: 08/14/23			
Lead	120	ug/L		50.00	1.01	237	70-130		
Matrix Spike (B341157-MSA)				Sample: GG03614-12		Prepared & Analyzed: 08/14/23			
Lead	131	ug/L		50.00	3.00	255	70-130		
Matrix Spike (B341157-MSB)				Sample: GG03696-43		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	49.7	ug/L		50.00	0.556	98	70-130		
Matrix Spike (B341157-MSC)				Sample: GG03710-08		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	48.8	ug/L		50.00	ND	98	70-130		
Matrix Spike (B341157-MSD)				Sample: GG03710-18		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	49.5	ug/L		50.00	0.216	99	70-130		
Matrix Spike Dup (B341157-MSD1)				Sample: GG03614-22		Prepared & Analyzed: 08/14/23			
Lead	63.0	ug/L		50.00	4.96	116	70-130	6	20
Matrix Spike Dup (B341157-MSD2)				Sample: GG03696-03		Prepared & Analyzed: 08/14/23			
Lead	53.6	ug/L		50.00	ND	107	70-130	8	20
Matrix Spike Dup (B341157-MSD3)				Sample: GG03696-13		Prepared & Analyzed: 08/14/23			
Lead	50.3	ug/L		50.00	0.198	100	70-130	1	20
Matrix Spike Dup (B341157-MSD4)				Sample: GG03696-23		Prepared & Analyzed: 08/14/23			
Lead	50.1	ug/L		50.00	1.04	98	70-130	1	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341157-MSD5)	Sample: GG03696-33			Prepared & Analyzed: 08/14/23					
Lead	50.3	ug/L		50.00	0.798	99	70-130	6	20
Matrix Spike Dup (B341157-MSD6)	Sample: GG03542-09			Prepared & Analyzed: 08/14/23					
Lead	153	ug/L		50.00	24.4	256	70-130	3	20
Matrix Spike Dup (B341157-MSD7)	Sample: GG03542-19			Prepared & Analyzed: 08/14/23					
Lead	118	ug/L		50.00	0.233	236	70-130	7	20
Matrix Spike Dup (B341157-MSD8)	Sample: GG03542-29			Prepared & Analyzed: 08/14/23					
Lead	122	ug/L		50.00	1.86	241	70-130	3	20
Matrix Spike Dup (B341157-MSD9)	Sample: GG03614-02			Prepared & Analyzed: 08/14/23					
Lead	117	ug/L		50.00	1.01	232	70-130	2	20
Matrix Spike Dup (B341157-MSDA)	Sample: GG03614-12			Prepared & Analyzed: 08/14/23					
Lead	120	ug/L		50.00	3.00	234	70-130	9	20
Matrix Spike Dup (B341157-MSDB)	Sample: GG03696-43			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	50.6	ug/L		50.00	0.556	100	70-130	2	20
Matrix Spike Dup (B341157-MSDC)	Sample: GG03710-08			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	48.2	ug/L		50.00	ND	96	70-130	1	20
Matrix Spike Dup (B341157-MSDD)	Sample: GG03710-18			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	52.5	ug/L		50.00	0.216	105	70-130	6	20
Matrix Spike Dup (B341157-MSDE)	Sample: GG03745-03			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	56.0	ug/L		50.00	5.07	102	70-130	3	20
Matrix Spike Dup (B341157-MSDF)	Sample: GG03722-02			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	53.2	ug/L		50.00	ND	106	70-130	8	20
Matrix Spike (B341157-MSE)	Sample: GG03745-03			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	57.6	ug/L		50.00	5.07	105	70-130		
Matrix Spike (B341157-MSF)	Sample: GG03722-02			Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	49.1	ug/L		50.00	ND	98	70-130		
<u>Batch B341274 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341274-BLK1)				Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	< 1.11	ug/L							
LCS (B341274-BS1)				Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	2790	ug/L		2778		100	85-115		
Matrix Spike (B341274-MS1)	Sample: GG04874-30			Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	2810	ug/L		2778	6.83	101	70-130		
Matrix Spike Dup (B341274-MSD1)	Sample: GG04874-30			Prepared: 08/15/23 Analyzed: 08/17/23					
Lead	2820	ug/L		2778	6.83	101	70-130	0.3	20



NOTES

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

* Not a TNI accredited analyte

Certifications

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

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

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

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

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

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

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

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

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

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

USEPA DMR-QA Program

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

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

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

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

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

Qualifiers

- Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q2 Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q3 Matrix Spike/Matrix Spike Duplicate both failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- R Matrix Spike/Matrix Spike Duplicate Failed %Relative Percent Difference criterion.

Certified by: Chenise Lambert-Sykes, Project Manager

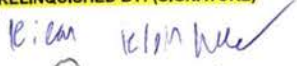
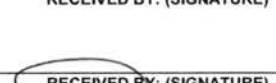
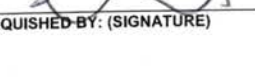
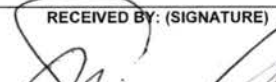


REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT SCI Engineering ADDRESS 130 Point West Blvd CITY STATE ZIP St. Charles, MO 63301 CONTACT PERSON Glen Grissom		PROJECT NUMBER 2018-0351.2T PHONE NUMBER (314) 581-7570 SAMPLER (PLEASE PRINT) Kieran Kleinhenz SAMPLER'S SIGNATURE 		PROJECT LOCATION Chesterfield Elem 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>GG03403</u> LOGGED BY: <u>SAB</u> CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #: _____							
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED		REMARKS	
CES-01		7/11/2023		1811		X		DW		1		6		X X	
CES-02		7/11/2023		1814		X		DW		1		6		X X	
CES-03		7/14/2023		1815		X		DW		1		6		X X	
CES-04		7/11/2023		1819		X		DW		1		6		X X	
CES-05		7/11/2023		1822		X		DW		1		6		X X	
CES-06		7/11/2023		1823		X		DW		1		6		X X	
CES-07		7/11/2023		1825		X		DW		1		6		X X	
CES-08		7/11/2023		1826		X		DW		1		6		X X	
CES-09		7/11/2023		1829		X		DW		1		6		X X	
CES-10		7/11/2023		1835		X		DW		1		6		X X	
CES-11		7/11/2023		1837		X		DW		1		6		X X	
CHEMICAL PRESERVATION CODES:		1 - HCL		2 - H2SO4		3 - HNO3		4 - NAOH		5 - NA2S2O3		6 - UNPRESERVED		7 - OTHER	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____											
7 RELINQUISHED BY: (SIGNATURE) 		DATE 7/17/23 TIME 8:30AM		RECEIVED BY: (SIGNATURE) 		DATE 7-19-23 TIME 1145		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____							
RELINQUISHED BY: (SIGNATURE) 		DATE 7-19-23 TIME 1:30		RECEIVED BY: (SIGNATURE) 		DATE 7-19-23 TIME 15:30									
RELINQUISHED BY: (SIGNATURE) 		DATE TIME 		RECEIVED BY: (SIGNATURE) 		DATE TIME 									

- 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

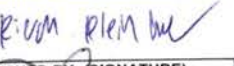
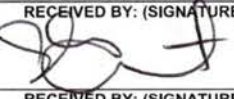
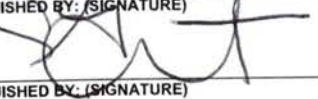
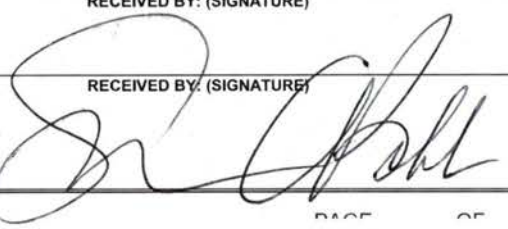
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REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Chesterfield Elem		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN: <u>GG03493</u> LOGGED BY: <u>SAB</u> CLIENT: <u>SCI Engineering</u> PROJECT: <u>Drinking Water Lead</u> PROJ. MGR.: <u>Chenise Lambert-Sykes</u> CUSTODY SEAL #: _____					
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggriissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check		REMARKS					
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		BOTTLE COUNT						PRES CODE CLIENT PROVIDED			
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE 		MATRIX TYPE		BOTTLE COUNT						PRES CODE			
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			
CES-12		7/11/2023		1838		X		DW		1		6			
CES-13		7/11/2023		1840		X		DW		1		6			
CES-14		7/11/2023		1842		X		DW		1		6			
CES-15		7/14/2023		1830		X		DW		1		6			
CES-16		7/11/2023		1846		X		DW		1		6			
CES-17		7/11/2023		1849		X		DW		1		6			
CES-18		7/11/2023		1851		X		DW		1		6			
CES-19		7/11/2023		1852		X		DW		1		6			
CES-20		7/11/2023		1854		X		DW		1		6			
CES-21		7/11/2023		1856		X		DW		1		6			
CES-22		7/11/2023		1858		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)		DATE RESULTS NEEDED		6		I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.		PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)		8		COMMENTS: (FOR LAB USE ONLY)	
RELINQUISHED BY: (SIGNATURE) 		DATE 7/17/23		TIME 8:30AM		RECEIVED BY: (SIGNATURE) 		DATE 7-19-23		TIME 1145		SAMPLE TEMPERATURE UPON RECEIPT		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	
RELINQUISHED BY: (SIGNATURE) 		DATE 7/19/23		TIME 1530		RECEIVED BY: (SIGNATURE) 		DATE 7-19-23		TIME 15:30		DATE AND TIME TAKEN FROM SAMPLE		Page 18 of 23	

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

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DATE COLLECTED: Date sample was collected. For composite samples, this is typically the date when the last aliquot was added.
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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.

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ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggriessom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check		LOGIN: <u>GG03483</u>	
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		LOGGED BY: <u>SAB</u>					
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE 				CLIENT: <u>SCI Engineering</u>					
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CES-23		7/11/2023	1900	X	DW	1	6	X	X	PROJ. MGR.: <u>Chenise Lambert-Sykes</u>	
CES-24		7/11/2023	1903	X	DW	1	6	X	X	CUSTODY SEAL #:	
CES-25		7/11/2023	1915	X	DW	1	6	X	X	REMARKS	
CES-26		7/11/2023	1917	X	DW	1	6	X	X		
CES-27		7/11/2023	1912	X	DW	1	6	X	X		
CES-28		7/11/2023	1924	X	DW	1	6	X	X		
CES-29		7/11/2023	1925	X	DW	1	6	X	X		
CES-30		7/11/2023	1929	X	DW	1	6	X	X		
CES-31		7/11/2023	1930	X	DW	1	6	X	X		
CES-32		7/11/2023	1931	X	DW	1	6	X	X		
CES-33		7/11/2023	1932	X	DW	1	6	X	X		
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EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:											
7 RELINQUISHED BY: (SIGNATURE) 		DATE 7/12/23	TIME 4:45	RECEIVED BY: (SIGNATURE) 		DATE 7-19-23	TIME 1145	8 COMMENTS: (FOR LAB USE ONLY)			
RELINQUISHED BY: (SIGNATURE) 		DATE 7-19-23	TIME 1530	RECEIVED BY: (SIGNATURE) 		DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT °C			
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Page 22 of 23

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Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

May 21, 2024

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

RE: 2018-0351.2A T003-CES

Dear Brian Lieb:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **5/14/24 6:30 am** and logged in under work order **HE02787**. 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 HE02787

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



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

ANALYTICAL RESULTS

Sample: HE02787-01

Name: CES - 17R

Matrix: Drinking Water - Grab

Sampled: 05/10/24 16:10

Received: 05/14/24 06:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Lead	< 1.00	ug/L		05/20/24 11:09	1	1.00	05/20/24 16:21	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 B433488 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B433488-BLK1)				Prepared & Analyzed: 05/20/24					
Lead	< 1.00	ug/L							
LCS (B433488-BS1)				Prepared & Analyzed: 05/20/24					
Lead	52.1	ug/L		50.00		104	85-115		
Matrix Spike (B433488-MS1)				Sample: HE02549-26 Prepared & Analyzed: 05/20/24					
Lead	56.1	ug/L		50.00	1.79	109	70-130		
Matrix Spike (B433488-MS2)				Sample: HE02549-42 Prepared & Analyzed: 05/20/24					
Lead	81.8	ug/L		50.00	26.2	111	70-130		
Matrix Spike (B433488-MS3)				Sample: HE03271-09 Prepared & Analyzed: 05/20/24					
Lead	53.2	ug/L		50.00	ND	106	70-130		
Matrix Spike (B433488-MS4)				Sample: HE03271-19 Prepared & Analyzed: 05/20/24					
Lead	55.2	ug/L		50.00	0.874	109	70-130		
Matrix Spike (B433488-MS5)				Sample: HE03271-29 Prepared & Analyzed: 05/20/24					
Lead	66.2	ug/L		50.00	12.1	108	70-130		
Matrix Spike (B433488-MS6)				Sample: HE03138-10 Prepared & Analyzed: 05/20/24					
Lead	52.9	ug/L		50.00	0.163	106	70-130		
Matrix Spike (B433488-MS7)				Sample: HE03138-20 Prepared & Analyzed: 05/20/24					
Lead	54.1	ug/L		50.00	0.483	107	70-130		
Matrix Spike (B433488-MS8)				Sample: HE02959-02 Prepared & Analyzed: 05/20/24					
Lead	55.0	ug/L		50.00	0.517	109	70-130		
Matrix Spike (B433488-MS9)				Sample: HE02959-12 Prepared & Analyzed: 05/20/24					
Lead	53.8	ug/L		50.00	0.320	107	70-130		
Matrix Spike (B433488-MSA)				Sample: HE02659-04 Prepared & Analyzed: 05/20/24					
Lead	52.8	ug/L		50.00	ND	106	70-130		
Matrix Spike (B433488-MSB)				Sample: HE02659-14 Prepared & Analyzed: 05/20/24					
Lead	53.2	ug/L		50.00	ND	106	70-130		
Matrix Spike (B433488-MSC)				Sample: HE02786-02 Prepared & Analyzed: 05/20/24					
Lead	59.0	ug/L		50.00	4.81	108	70-130		
Matrix Spike (B433488-MSD)				Sample: HE02786-12 Prepared & Analyzed: 05/20/24					
Lead	61.1	ug/L		50.00	6.18	110	70-130		
Matrix Spike Dup (B433488-MSD1)				Sample: HE02549-26 Prepared & Analyzed: 05/20/24					
Lead	55.4	ug/L		50.00	1.79	107	70-130	1	20
Matrix Spike Dup (B433488-MSD2)				Sample: HE02549-42 Prepared & Analyzed: 05/20/24					
Lead	80.8	ug/L		50.00	26.2	109	70-130	1	20
Matrix Spike Dup (B433488-MSD3)				Sample: HE03271-09 Prepared & Analyzed: 05/20/24					
Lead	55.2	ug/L		50.00	ND	110	70-130	4	20
Matrix Spike Dup (B433488-MSD4)				Sample: HE03271-19 Prepared & Analyzed: 05/20/24					
Lead	56.9	ug/L		50.00	0.874	112	70-130	3	20
Matrix Spike Dup (B433488-MSD5)				Sample: HE03271-29 Prepared & Analyzed: 05/20/24					
Lead	67.3	ug/L		50.00	12.1	110	70-130	2	20
Matrix Spike Dup (B433488-MSD6)				Sample: HE03138-10 Prepared & Analyzed: 05/20/24					
Lead	53.0	ug/L		50.00	0.163	106	70-130	0.2	20
Matrix Spike Dup (B433488-MSD7)				Sample: HE03138-20 Prepared & Analyzed: 05/20/24					
Lead	53.9	ug/L		50.00	0.483	107	70-130	0.5	20



QC SAMPLE RESULTS

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



NOTES

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

* Not a TNI accredited analyte

Certifications

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

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

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

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

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

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

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

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

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

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

USEPA DMR-QA Program

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

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

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

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

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

Certified by: Chenise Lambert-Sykes, Project Manager



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

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

HE02787

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

1 CLIENT SCI Engineering ADDRESS 130 Point West Blvd CITY St. Charles, MO 63301 STATE ZIP CONTACT PERSON Brian Lieb		PROJECT NUMBER 2018-0351.2A T003 PROJECT LOCATION CES PHONE NUMBER (314) 581-7570 E-MAIL blieb@sciengineering.com		PURCHASE ORDER # DATE SHIPPED MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WW-SLUDGE LW-LEACHATE SO-SOLID SO-SOIL		ANALYSIS REQUESTED LOGIN # LOGGED BY: CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #:		(FOR LAB USE ONLY) 4 REMARKS 8,250	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) CES-17-R 17 Correction Factor (Deg C) 205 205 205 Delivery Method: FedEx UPS Walk-in USPS Other		DATE COLLECTED 5/10/24 TIME COLLECTED 1610 SAMPLE TYPE GRAB COMP MATRIX TYPE DW Pb BOTTLE COUNT 1 PRES CODE 6		DATE 5/10/24 TIME 1630 RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE)		DATE 5/10/24 TIME 1630 RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE)		COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT 18.0 °C CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE REPORT IS NEEDED DATE AND TIME TAKEN FROM SAMPLE BOTTLE	

November 20, 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 Chesterfield Elem

WorkOrder: 23111386

Dear Brian Lieb:

TEKLAB, INC received 10 samples on 11/17/2023 10:37:00 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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-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	17
Chain of Custody	Appended

Client: SCI Engineering, Inc.**Work Order:** 23111386**Client Project:** 2018-0351.2A T200 Chesterfield Elem**Report Date:** 20-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: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-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: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-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:** 23111386**Client Project:** 2018-0351.2A T200 Chesterfield Elem**Report Date:** 20-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: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-001

Client Sample ID: CES-4R

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		4.7	µg/L	1	11/20/2023 10:04	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-002

Client Sample ID: CES-4(2nd)

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		< 1.0	µg/L	1	11/20/2023 10:08	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-003

Client Sample ID: CES-5R

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		3.2	µg/L	1	11/20/2023 10:12	214908

Client: SCI Engineering, Inc.**Work Order:** 23111386**Client Project:** 2018-0351.2A T200 Chesterfield Elem**Report Date:** 20-Nov-23**Lab ID:** 23111386-004**Client Sample ID:** CES-5(2nd)**Matrix:** DRINKING WATER**Collection Date:** 11/17/2023 2:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		< 1.0	µg/L	1	11/20/2023 10:16	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-005

Client Sample ID: CES-6R

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		18.1	µg/L	1	11/20/2023 10:45	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-006

Client Sample ID: CES-6(2nd)

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		< 1.0	µg/L	1	11/20/2023 10:49	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-007

Client Sample ID: CES-8R

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		2.2	µg/L	1	11/20/2023 11:13	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-008

Client Sample ID: CES-8(2nd)

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		< 1.0	µg/L	1	11/20/2023 10:53	214908



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Lab ID: 23111386-009

Client Sample ID: CES-9R

Matrix: DRINKING WATER

Collection Date: 11/17/2023 2:42

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		5.1	µg/L	1	11/20/2023 10:57	214908

Client: SCI Engineering, Inc.**Work Order:** 23111386**Client Project:** 2018-0351.2A T200 Chesterfield Elem**Report Date:** 20-Nov-23**Lab ID:** 23111386-010**Client Sample ID:** CES-9(2nd)**Matrix:** DRINKING WATER**Collection Date:** 11/17/2023 2:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Lead	NELAP	1.0		< 1.0	µg/L	1	11/20/2023 11:01	214908



Receiving Check List

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

Client: SCI Engineering, Inc.

Work Order: 23111386

Client Project: 2018-0351.2A T200 Chesterfield Elem

Report Date: 20-Nov-23

Carrier: Employee

Received By: HAW

Completed by:

On:

17-Nov-23

Amber Dilallo

Reviewed by:

On:

17-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 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 - 11/17/2023 11:15:26 AM

Pg 1 of 1 Workorder # 23113800

Client: <u>SCI Engineering Inc</u>				Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE <u>N/A</u> °C																	
Address: <u>130 Point West Blvd</u>				Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u>																	
City/State/Zip: <u>Saint Charles/MO/63301</u>				LAB NOTES:																	
Contact: <u>Brian Lieb</u> Phone: <u>636-949-8200</u>				ONE DAY TAT Client Comments: Must Meet 5 PPB < chester field Elem																	
Email: <u>blieb@sciengineering.com</u> Fax: _____																					
Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☒ No																					
Are these samples known to be hazardous? ☐ Yes ☒ No																					
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☒ Yes ☐ No																					
PROJECT NAME/NUMBER <u>2018-0351.2A T200</u>				SAMPLE COLLECTOR'S NAME <u>[Signature]</u>				INDICATE ANALYSIS REQUESTED													
RESULTS REQUESTED				BILLING INSTRUCTIONS				# and Type of Containers													
☐ Standard ☒ 1-2 Day (100% Surcharge)				<u>SC+</u>																	
☐ Other ☐ 3 Day (50% Surcharge)																					
Lab Use Only				Sample ID		Date/Time Sampled		Matrix													
<u>231113FC-001</u>				CES-4R		11/17/23 0231		Drinking Water													
<u>002</u>				CES-4(2nd)		11/17/23 0232		Drinking Water													
<u>003</u>				CES-5R		11/17/23 0233		Drinking Water													
<u>004</u>				CES-5(2nd)		11/17/23 0233		Drinking Water													
<u>005</u>				CES-6R		11/17/23 0235		Drinking Water													
<u>006</u>				CES-6(2nd)		11/17/23 0236		Drinking Water													
<u>007</u>				CES-8R		11/17/23 0238		Drinking Water													
<u>008</u>				CES-8(2nd)		11/17/23 0240		Drinking Water													
<u>009</u>				CES-9R		11/17/23 0242		Drinking Water													
<u>010</u>				CES-9(2nd)		11/17/23 0243		Drinking Water													
								Aqueous													
Relinquished By				Date/Time				Received By				Date/Time									
<u>[Signature]</u>				<u>11/17/23 6:08</u>				<u>[Signature]</u>				<u>11/17/23 1037</u>									

HW W/17



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

July 02, 2024

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

RE: 2018-0351.2A - Chesterfield Elem

Dear Glenn Grissom:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **6/25/24 4:00 pm** and logged in under work order **HF04530**. 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 HF04530

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



ANALYTICAL RESULTS

Sample: HF04530-01
Name: CES-6R2
Matrix: Drinking Water - Grab

Sampled: 06/19/24 20:42
Received: 06/25/24 16:00

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

Lead	2.18	ug/L		07/01/24 08:59	1	1.00	07/01/24 13:59	BRS	EPA 200.8 REV 5.4
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Sample: HF04530-02
Name: CES-9R2
Matrix: Drinking Water - Grab

Sampled: 06/19/24 20:42
Received: 06/25/24 16:00

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

Lead	1.54	ug/L		07/01/24 08:59	1	1.00	07/01/24 14:01	BRS	EPA 200.8 REV 5.4
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QC SAMPLE RESULTS

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



QC SAMPLE RESULTS

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



NOTES

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

* Not a TNI accredited analyte

Certifications

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

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

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

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

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

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

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

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

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

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

USEPA DMR-QA Program

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

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

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

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

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

Certified by: Chenise Lambert-Sykes, Project Manager





CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

QUALTRAX 3219 REV 5

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.