SCI ENGINEERING, INC.
EARTH • SCIENCE • SOLUTIONS
GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

August 29, 2023

Jeff Solter
Washington School District-Buildings and Grounds
2160 Highway A
Washington, Missouri 63090

RE: Lead in Drinking Water Report
Campbellton Elementary School
3693 MO-185
New Haven, Missouri
SCI No. 2010-5012.2T

Dear Jeff Solter:

INTRODUCTION

SCI Engineering, Inc. (SCI) is pleased to submit this report summarizing lead in drinking water testing activities performed on June 14, 2023. The purpose of the sampling activities was to screen for elevated levels of lead in the drinking water at potable water sources throughout the above-referenced structure.

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

LIMITATIONS

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

During the course of performing the 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.

SCI collected 20 drinking water samples (CES-1 through CES-20) from various water fixtures located throughout the structure and submitted them for analytical testing. The 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 lab using standard chain-of-custody procedures. A figure depicting the locations of the sampled water fixtures is enclosed.

The drinking water samples were analyzed for lead in accordance with the "Get the Lead Out of School Drinking Water Act", Section 160.077, which establishes an action level (AL) of 5 parts per billion (ppb). The drinking water sample which exceeded the AL is identified in Table 1, below. 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	Result (ppb)
CES-12	Kitchen	South Sink	9.39

CONCLUSION AND RECOMMENDATIONS

As can be seen in Table 1, above, 1 drinking water sample exceeded the AL of 5 ppb. According to GTLOSDWA, these water fixtures shall be removed and replaced prior to August 1, 2024, or the first day on which students will be present in the building, whichever is later. The replacement fixture shall be lead free, as such term is defined in 40 CFR 143.12.

REPORTING

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.

FUTURE TESTING

After the fixtures identified in Table 1, above, have been remediated, at least 25 percent of the remediated fixtures must be sampled annually until all remediated sources have been tested. Once all fixtures have been tested and are below the action level, the school shall test the fixtures once every five years.

SCI appreciates the opportunity to be of service to you on this project, and we look forward to working with you in the future. Please contact us if you have any questions or comments regarding the information provided.

Respectfully,

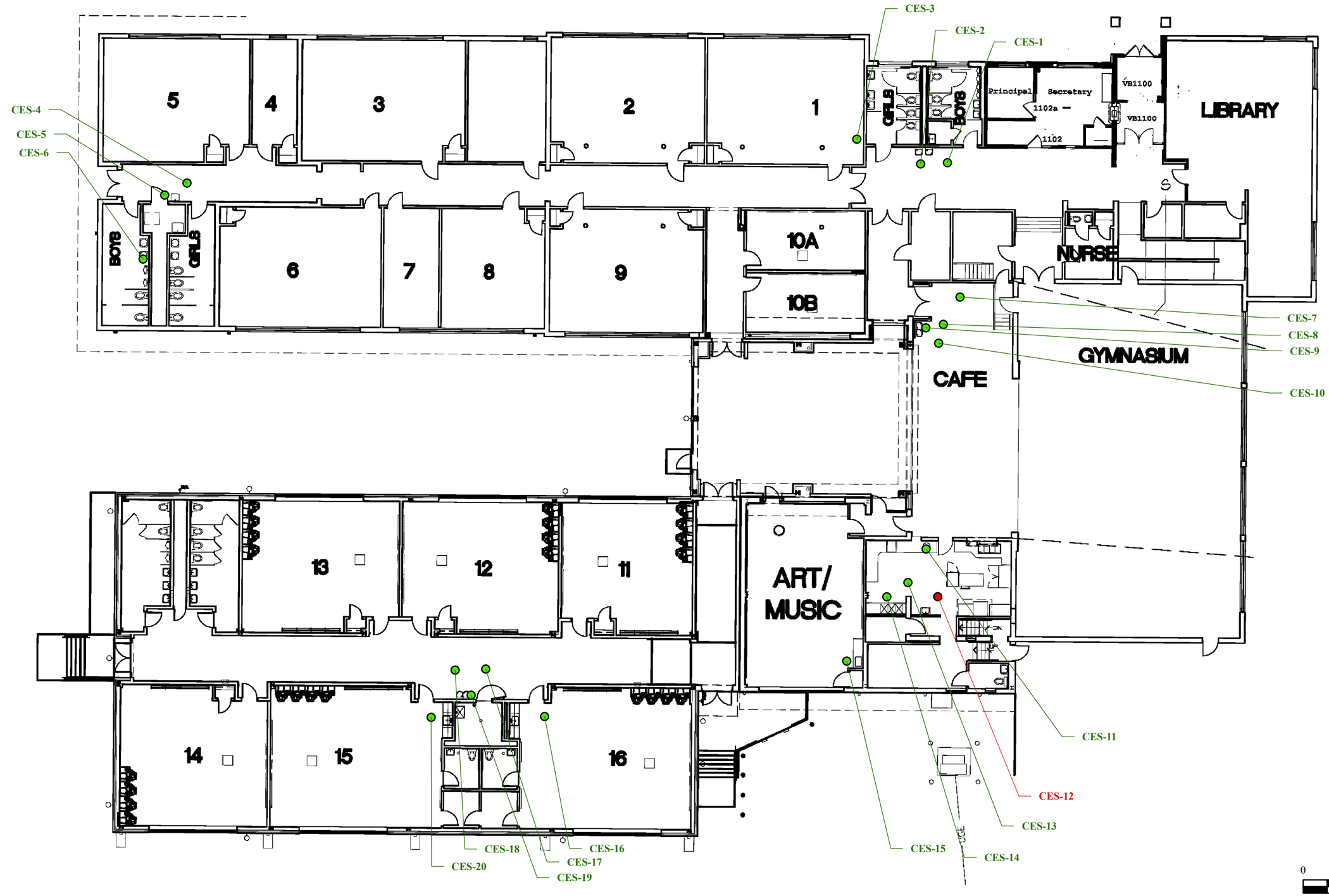
SCI ENGINEERING, INC.

Brian L. Lieb
Project Scientist

Glen A. Grissom
Senior Specialist

BLL/GAG/rah

Enclosure
Lead Testing Results
Lead Drinking Water Sampling Plan



GENERAL NOTES/LEGEND

- RESULTS GREATER THAN THE ACTION LEVEL OF 5 PARTS PER BILLION
- RESULTS LESS THAN THE ACTION LEVEL OF 5 PARTS PER BILLION

PLAN DATED 10/27/2005 BY HOENER ASSOCIATES, INC.
DIMENSIONS AND LOCATIONS ARE APPROXIMATE; ACTUAL MAY VARY. DRAWING SHALL NOT BE USED OUTSIDE THE CONTEXT OF THE REPORT FOR WHICH IT WAS GENERATED.

PROJECT NAME
WASHINGTON SCHOOL DISTRICT
CAMPBELLTON ELEMENTARY
NEW HAVEN, MISSOURI

LEAD DRINKING WATER SAMPLING PLAN

N
W
E
S

JOB NUMBER 2010-5012.2T
DATE 08/2023
DRAWN BY JTM
CHECKED BY BLL
FIGURE 1

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

July 11, 2023

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

RE: 2010-5012.2T-Campbellton

Dear Glenn Grissom:

Please find enclosed the analytical results for the **20** sample(s) the laboratory received on **6/20/23 3:00 pm** and logged in under work order **GF03479**. 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.

Amy Holmes
Project Manager
(314) 595-7336
amy.holmes@pacelabs.com

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SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GF03479

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
YES	Case narrative provided

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ANALYTICAL RESULTS

Sample: GF03479-01
Name: CES-1
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:23
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	3.32	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:18	JMW	EPA 200.8 REV 5.4

Sample: GF03479-02
Name: CES-2
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:26
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.56	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:20	JMW	EPA 200.8 REV 5.4

Sample: GF03479-03
Name: CES-3
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:28
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	3.94	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:22	JMW	EPA 200.8 REV 5.4

Sample: GF03479-04
Name: CES-4
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:32
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:23	JMW	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03479-05
Name: CES-5
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:33
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:28	JMW	EPA 200.8 REV 5.4

Sample: GF03479-06
Name: CES-6
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:35
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	3.11	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:30	JMW	EPA 200.8 REV 5.4

Sample: GF03479-07
Name: CES-7
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:40
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.20	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:32	JMW	EPA 200.8 REV 5.4

Sample: GF03479-08
Name: CES-8
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:41
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:33	JMW	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03479-09
Name: CES-9
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:43
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:35	JMW	EPA 200.8 REV 5.4

Sample: GF03479-10
Name: CES-10
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:44
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:37	JMW	EPA 200.8 REV 5.4

Sample: GF03479-11
Name: CES-11
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:49
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.16	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:38	JMW	EPA 200.8 REV 5.4

Sample: GF03479-12
Name: CES-12
Matrix: Drinking Water - Grab

Sampled: 06/14/23 17:51
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	9.39	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:40	JMW	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03479-13
Name: CES-13
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:52
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.01	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:42	JMW	EPA 200.8 REV 5.4

Sample: GF03479-14
Name: CES-14
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:53
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.14	ug/L		07/10/23 12:34	1	1.00	07/10/23 20:43	JMW	EPA 200.8 REV 5.4

Sample: GF03479-15
Name: CES-15
Matrix: Drinking Water - Grab
Sampled: 06/14/23 17:56
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 12:34	1	1.00	07/11/23 13:14	JMW	EPA 200.8 REV 5.4

Sample: GF03479-16
Name: CES-16
Matrix: Drinking Water - Grab
Sampled: 06/14/23 18:05
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.50	ug/L		07/10/23 09:51	1	1.00	07/10/23 19:55	tjj	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03479-17
Name: CES-17
Matrix: Drinking Water - Grab

Sampled: 06/14/23 18:05
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 09:51	1	1.00	07/10/23 19:56	tjj	EPA 200.8 REV 5.4

Sample: GF03479-18
Name: CES-18
Matrix: Drinking Water - Grab

Sampled: 06/14/23 18:08
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 09:51	1	1.00	07/10/23 19:58	tjj	EPA 200.8 REV 5.4

Sample: GF03479-19
Name: CES-19
Matrix: Drinking Water - Grab

Sampled: 06/14/23 18:10
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 09:51	1	1.00	07/10/23 19:59	tjj	EPA 200.8 REV 5.4

Sample: GF03479-20
Name: CES-20
Matrix: Drinking Water - Grab

Sampled: 06/14/23 18:11
Received: 06/20/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/10/23 09:51	1	1.00	07/10/23 20:01	tjj	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
Batch B338060 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B338060-BLK1)				Prepared & Analyzed: 07/10/23					
Lead	< 1.00	ug/L							
LCS (B338060-BS1)				Prepared & Analyzed: 07/10/23					
Lead	52.1	ug/L		50.00		104	85-115		
Matrix Spike (B338060-MS1)	**Sample: GF03705-63**			Prepared & Analyzed: 07/10/23					
Lead	107	ug/L		50.00	ND	214	70-130		
Matrix Spike (B338060-MS2)	**Sample: GF03705-71**			Prepared & Analyzed: 07/10/23					
Lead	104	ug/L		50.00	ND	208	70-130		
Matrix Spike (B338060-MS3)	**Sample: GF03705-79**			Prepared & Analyzed: 07/10/23					
Lead	104	ug/L		50.00	0.781	207	70-130		
Matrix Spike (B338060-MS4)	**Sample: GF03705-87**			Prepared & Analyzed: 07/10/23					
Lead	110	ug/L		50.00	13.4	194	70-130		
Matrix Spike (B338060-MS5)	**Sample: GF05199-16**			Prepared & Analyzed: 07/10/23					
Lead	54.6	ug/L		50.00		109	70-130		
Matrix Spike (B338060-MS6)	**Sample: GF03711-03**			Prepared: 07/10/23 Analyzed: 07/11/23					
Lead	54.0	ug/L		50.00	3.47	101	70-130		
Matrix Spike (B338060-MS7)	**Sample: GF03806-04**			Prepared: 07/10/23 Analyzed: 07/11/23					
Lead	50.3	ug/L		50.00	ND	101	70-130		
Matrix Spike (B338060-MS8)	**Sample: GF03806-12**			Prepared: 07/10/23 Analyzed: 07/11/23					
Lead	51.1	ug/L		50.00	0.461	101	70-130		
Matrix Spike Dup (B338060-MSD1)	**Sample: GF03705-63**			Prepared & Analyzed: 07/10/23					
Lead	106	ug/L		50.00	ND	213	70-130	0.8	20
Matrix Spike Dup (B338060-MSD2)	**Sample: GF03705-71**			Prepared & Analyzed: 07/10/23					
Lead	104	ug/L		50.00	ND	208	70-130	0.4	20
Matrix Spike Dup (B338060-MSD3)	**Sample: GF03705-79**			Prepared & Analyzed: 07/10/23					
Lead	103	ug/L		50.00	0.781	204	70-130	1	20
Matrix Spike Dup (B338060-MSD4)	**Sample: GF03705-87**			Prepared & Analyzed: 07/10/23					
Lead	118	ug/L		50.00	13.4	209	70-130	6	20
Matrix Spike Dup (B338060-MSD5)	**Sample: GF05199-16**			Prepared & Analyzed: 07/10/23					
Lead	52.9	ug/L		50.00		106	70-130	3	20
Matrix Spike Dup (B338060-MSD6)	**Sample: GF03711-03**			Prepared: 07/10/23 Analyzed: 07/11/23					
Lead	54.5	ug/L		50.00	3.47	102	70-130	0.9	20
Matrix Spike Dup (B338060-MSD7)	**Sample: GF03806-04**			Prepared: 07/10/23 Analyzed: 07/11/23					
Lead	50.6	ug/L		50.00	ND	101	70-130	0.6	20
Matrix Spike Dup (B338060-MSD8)	**Sample: GF03806-12**			Prepared: 07/10/23 Analyzed: 07/11/23					
Lead	51.1	ug/L		50.00	0.461	101	70-130	0.1	20
Batch B338104 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B338104-BLK1)				Prepared & Analyzed: 07/10/23					
Lead	< 1.00	ug/L							
LCS (B338104-BS1)				Prepared & Analyzed: 07/10/23					
Lead	46.8	ug/L		50.00		94	85-115		
Matrix Spike (B338104-MS1)	**Sample: GF04152-06**			Prepared & Analyzed: 07/10/23					
Lead	48.6	ug/L		50.00	0.787	96	70-130		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B338104-MS2)	**Sample: GF04152-14**			Prepared & Analyzed: 07/10/23					
Lead	48.6	ug/L		50.00	1.10	95	70-130		
Matrix Spike (B338104-MS3)	**Sample: GF04160-02**			Prepared & Analyzed: 07/10/23					
Lead	50.5	ug/L		50.00	2.20	97	70-130		
Matrix Spike (B338104-MS4)	**Sample: GF04160-10**			Prepared & Analyzed: 07/10/23					
Lead	47.5	ug/L		50.00	0.198	95	70-130		
Matrix Spike (B338104-MS5)	**Sample: GF04160-18**			Prepared & Analyzed: 07/10/23					
Lead	49.9	ug/L		50.00	1.65	96	70-130		
Matrix Spike (B338104-MS6)	**Sample: GF04486-06**			Prepared & Analyzed: 07/10/23					
Lead	48.0	ug/L		50.00	ND	96	70-130		
Matrix Spike (B338104-MS7)	**Sample: GF04486-14**			Prepared & Analyzed: 07/10/23					
Lead	49.1	ug/L		50.00	ND	98	70-130		
Matrix Spike (B338104-MS8)	**Sample: GF04606-04**			Prepared & Analyzed: 07/10/23					
Lead	50.2	ug/L		50.00	0.257	100	70-130		
Matrix Spike (B338104-MS9)	**Sample: GF05054-02**			Prepared & Analyzed: 07/10/23					
Lead	50.0	ug/L		50.00	0.182	100	70-130		
Matrix Spike (B338104-MSA)	**Sample: GF05054-10**			Prepared & Analyzed: 07/10/23					
Lead	49.9	ug/L		50.00	ND	100	70-130		
Matrix Spike (B338104-MSB)	**Sample: GF05054-18**			Prepared & Analyzed: 07/10/23					
Lead	50.5	ug/L		50.00	ND	101	70-130		
Matrix Spike (B338104-MSC)	**Sample: GF05199-06**			Prepared & Analyzed: 07/10/23					
Lead	50.2	ug/L		50.00	0.154	100	70-130		
Matrix Spike (B338104-MSD)	**Sample: GF03708-08**			Prepared & Analyzed: 07/10/23					
Lead	49.0	ug/L		50.00	0.431	97	70-130		
Matrix Spike Dup (B338104-MSD1)	**Sample: GF04152-06**			Prepared & Analyzed: 07/10/23					
Lead	49.0	ug/L		50.00	0.787	96	70-130	0.8	20
Matrix Spike Dup (B338104-MSD2)	**Sample: GF04152-14**			Prepared & Analyzed: 07/10/23					
Lead	48.9	ug/L		50.00	1.10	96	70-130	0.8	20
Matrix Spike Dup (B338104-MSD3)	**Sample: GF04160-02**			Prepared & Analyzed: 07/10/23					
Lead	50.7	ug/L		50.00	2.20	97	70-130	0.4	20
Matrix Spike Dup (B338104-MSD4)	**Sample: GF04160-10**			Prepared & Analyzed: 07/10/23					
Lead	49.8	ug/L		50.00	0.198	99	70-130	5	20
Matrix Spike Dup (B338104-MSD5)	**Sample: GF04160-18**			Prepared & Analyzed: 07/10/23					
Lead	50.0	ug/L		50.00	1.65	97	70-130	0.1	20
Matrix Spike Dup (B338104-MSD6)	**Sample: GF04486-06**			Prepared & Analyzed: 07/10/23					
Lead	49.0	ug/L		50.00	ND	98	70-130	2	20
Matrix Spike Dup (B338104-MSD7)	**Sample: GF04486-14**			Prepared & Analyzed: 07/10/23					
Lead	49.0	ug/L		50.00	ND	98	70-130	0.4	20
Matrix Spike Dup (B338104-MSD8)	**Sample: GF04606-04**			Prepared & Analyzed: 07/10/23					
Lead	47.5	ug/L		50.00	0.257	94	70-130	6	20
Matrix Spike Dup (B338104-MSD9)	**Sample: GF05054-02**			Prepared & Analyzed: 07/10/23					
Lead	50.7	ug/L		50.00	0.182	101	70-130	1	20
Matrix Spike Dup (B338104-MSDA)	**Sample: GF05054-10**			Prepared & Analyzed: 07/10/23					
Lead	50.0	ug/L		50.00	ND	100	70-130	0.3	20
Matrix Spike Dup (B338104-MSDB)	**Sample: GF05054-18**			Prepared & Analyzed: 07/10/23					
Lead	50.8	ug/L		50.00	ND	102	70-130	0.7	20

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Peoria, IL 61615
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B338104-MSDC)	**Sample: GF05199-06**			Prepared & Analyzed: 07/10/23					
Lead	48.9	ug/L		50.00	0.154	97	70-130	3	20
Matrix Spike Dup (B338104-MSDD)	**Sample: GF03708-08**			Prepared & Analyzed: 07/10/23					
Lead	51.2	ug/L		50.00	0.431	101	70-130	4	20
Matrix Spike Dup (B338104-MSDE)	**Sample: GF03708-16**			Prepared & Analyzed: 07/10/23					
Lead	68.5	ug/L		50.00	18.4	100	70-130	2	20
Matrix Spike Dup (B338104-MSDF)	**Sample: GF03708-24**			Prepared & Analyzed: 07/10/23					
Lead	52.3	ug/L		50.00	1.12	102	70-130	4	20
Matrix Spike Dup (B338104-MSDG)	**Sample: GF03708-32**			Prepared & Analyzed: 07/10/23					
Lead	126	ug/L		50.00	76.1	100	70-130	0.7	20
Matrix Spike Dup (B338104-MSDH)	**Sample: GF03708-40**			Prepared & Analyzed: 07/10/23					
Lead	102	ug/L	Q2, R	50.00	14.7	175	70-130	46	20
Matrix Spike Dup (B338104-MSDI)	**Sample: GF03708-48**			Prepared & Analyzed: 07/10/23					
Lead	73.5	ug/L		50.00	24.9	97	70-130	2	20
Matrix Spike (B338104-MSE)	**Sample: GF03708-16**			Prepared & Analyzed: 07/10/23					
Lead	70.1	ug/L		50.00	18.4	103	70-130		
Matrix Spike (B338104-MSF)	**Sample: GF03708-24**			Prepared & Analyzed: 07/10/23					
Lead	50.2	ug/L		50.00	1.12	98	70-130		
Matrix Spike (B338104-MSG)	**Sample: GF03708-32**			Prepared & Analyzed: 07/10/23					
Lead	125	ug/L		50.00	76.1	98	70-130		
Matrix Spike (B338104-MSH)	**Sample: GF03708-40**			Prepared & Analyzed: 07/10/23					
Lead	64.0	ug/L		50.00	14.7	99	70-130		
Matrix Spike (B338104-MSI)	**Sample: GF03708-48**			Prepared & Analyzed: 07/10/23					
Lead	72.4	ug/L		50.00	24.9	95	70-130		
Matrix Spike (B338104-MSJ)	**Sample: GF03708-56**			Prepared & Analyzed: 07/10/23					
Lead	51.2	ug/L		50.00	1.16	100	70-130		

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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

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

Certified by: Amy Holmes, Project Manager

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

1/2

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED: MO

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

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2010-5012.2T	Campbellton	
ADDRESS	**PHONE NUMBER**	**E-MAIL**	**DATE SHIPPED**
130 Point West Blvd	(314) 581-7570	ggrissom@sciengineering.com	
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-SOIL, SOL-SOLID
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	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	3 ANALYSIS REQUESTED: DW Pb	Turb Check						REMARKS
CES-1	6-14-23	17:23	X	X	DW	1	6	X	X						
CES-2	6-14-23	17:26	X	X	DW	1	6	X	X						
CES-3	6-14-23	17:28	X	X	DW	1	6	X	X						
CES-4	6-14-23	17:32	X	X	DW	1	6	X	X						
CES-5	6-14-23	17:33	X	X	DW	1	6	X	X						
CES-6	6-14-23	17:35	X	X	DW	1	6	X	X						
CES-7	6-14-23	17:40	X	X	DW	1	6	X	X						
CES-8	6-14-23	17:41	X	X	DW	1	6	X	X						
CES-9	6-14-23	17:43	X	X	DW	1	6	X	X						
CES-10	6-14-23	17:44	X	X	DW	1	6	X	X						
CES-11	6-14-23	17:49	X	X	DW	1	6	X	X						

4 (FOR LAB USE ONLY)
LOGIN # GF03479
LOGGED BY: JPO
CLIENT: SCI Engineering
PROJECT: Drinking Water Lead
PROJ. MGR.: Chenise Lambert-Sykes
CUSTODY SEAL #:

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
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	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	6/16/23	9:20		6/16/23	1105
RELINQUISHED BY: (SIGNATURE)	6/16/23	1500	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)	6/16/23	1500

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

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

2/2

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED: MO

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

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2010-5012.2T	Campbellton	
ADDRESS	**PHONE NUMBER**	**E-MAIL**	**DATE SHIPPED**
130 Point West Blvd	(314) 581-7570	ggrissom@sciengineering.com	
CITY STATE ZIP St. Charles, MO 63301	**SAMPLER (PLEASE PRINT)** Ethan Boyer		
CONTACT PERSON Glen Grissom	**SAMPLER'S SIGNATURE**		

MATRIX TYPES:
WW- WASTEWATER
DW- DRINKING WATER
GW- GROUND WATER
WWSL- SLUDGE
NAS- NON AQUEOUS SOLID
LCHT-LEACHATE
OIL-OIL
SO-SOIL
SOL-SOLID

2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	3 ANALYSIS REQUESTED DW Pb	Turb Check	REMARKS
CES-12	6-14-23	17:51	X	X	DW	1	6	X	X	
CES-13	6-14-23	17:52	X	X	DW	1	6	X	X	
CES-14	6-14-23	17:53	X	X	DW	1	6	X	X	
CES-15	6-14-23	17:56	X	X	DW	1	6	X	X	
CES-16	6-14-23	18:05	X	X	DW	1	6	X	X	
CES-17	6-14-23	18:05	X	X	DW	1	6	X	X	
CES-18	6-14-23	18:08	X	X	DW	1	6	X	X	
CES-19	6-14-23	18:10	X	X	DW	1	6	X	X	
CES-20	6-14-23	18:11	X	X	DW	1	6	X	X	#container not recieved
			X	X	DW	1	6	X	X	
			X	X	DW	1	6	X	X	

4 (FOR LAB USE ONLY)
LOGIN # GFO3479
LOGGED BY: JPO
CLIENT: SCI Engineering
PROJECT: Drinking Water Lead
PROJ. MGR.: Chenise Lambert-Sykes
CUSTODY SEAL #:

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
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE
EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

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PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____

7 RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
			6/16/23 1105
RELINQUISHED BY: (SIGNATURE)	DATE 6/16/23 TIME 1500	RECEIVED BY: (SIGNATURE)	DATE / TIME
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE 6/16/23 TIME 1500

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