



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
Pond Elementary School
17200 Manchester Road
Wildwood, Missouri
SCI No. 2018-0351.2A Task 200

Dear Patrick McCart:

INTRODUCTION

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

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

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

LIMITATIONS

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

During the course of performing the initial survey of the structure, SCI was able to sample all 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 13 and 14, 2023 SCI initially collected 23 drinking water samples (PES-1 through PES-23) from various water fixtures located throughout the structure and submitted them for analytical testing. During this sampling event, 3 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. These fixtures were taken out of service until remediation activities could be completed.

During SCI’s resampling event on December 14, 2023, six drinking water samples were collected from fixtures which exceeded 5.0 micrograms lead per liter of water. In addition to first draw samples, SCI also collected second draw samples during the resampling event. The second draw sample was collected after the first draw sample and consisted of flushing the fixture for approximately 30 seconds and then collecting the sample. The purpose of the second draw sample is to aid in pinpointing any potential lead contamination and determine appropriate remediation. During this resampling event, 1 fixture was below the AL and was returned to service. The remaining two fixtures were above the AL and further remediation activities were recommended.

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

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 accredited lab using standard chain-of-custody procedures. Figures depicting the locations of the sampled water fixtures are enclosed.

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)
PES-2	Kitchen	Combi-Oven	30.4	1.7	<1.0	NS
PES-4	Kitchen Triple Basin	Left Sink	13.8	10.8	<1.0	1.58
PES-5	Kitchen Triple Basin	Right Sink	30.5	7.1	<1.0	2.80

CONCLUSION AND RECOMMENDATIONS

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

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

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

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

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

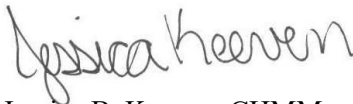
SCI appreciates the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding the information provided.

Respectfully,

SCI ENGINEERING, INC.



Ethan D. Boyer
Staff Scientist



Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/GBK/bmw

Enclosures

Lead Testing Results



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

August 16, 2023

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

RE: 2018-0351.2T-Pond Elementary

Dear Glenn Grissom:

Please find enclosed the **revised** analytical results for the **23** sample(s) the laboratory received on **7/19/23 3:30 pm** and logged in under work order **GG03459**. 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". The signature is fluid and cursive, with a long horizontal stroke at the end.

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 GG03459

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



Case Narrative

This report was revised to include the correct collection date (7/13) for sample PES-20, which lists a collection date of 07/14/23 at 23:57 on the chain of custody. The prior samples listed 07/13 with similar times. The client was made aware and confirmed a collection date of 07/13; therefore, the sample was updated accordingly.



ANALYTICAL RESULTS

Sample: GG03459-01
Name: PES - 01
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:29

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:28	BRS	EPA 200.8 REV 5.4

Sample: GG03459-02
Name: PES - 02
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:31

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	30.4	ug/L		08/08/23 13:02	1	1.00	08/14/23 16:38	KMC	EPA 200.8 REV 5.4

Sample: GG03459-03
Name: PES - 03
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:33

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:29	BRS	EPA 200.8 REV 5.4

Sample: GG03459-04
Name: PES - 04
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:34

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	13.8	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:35	BRS	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: GG03459-05
Name: PES - 05
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:34

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	30.5	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:37	BRS	EPA 200.8 REV 5.4

Sample: GG03459-06
Name: PES - 06
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:35

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:38	BRS	EPA 200.8 REV 5.4

Sample: GG03459-07
Name: PES - 07
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:39

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:43	BRS	EPA 200.8 REV 5.4

Sample: GG03459-08
Name: PES - 08
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:40

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:44	BRS	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: GG03459-09
Name: PES - 09
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:41

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:46	BRS	EPA 200.8 REV 5.4

Sample: GG03459-10
Name: PES - 10
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:43

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:48	BRS	EPA 200.8 REV 5.4

Sample: GG03459-11
Name: PES - 11
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:46

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:49	BRS	EPA 200.8 REV 5.4

Sample: GG03459-12
Name: PES - 12
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:46

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:56	BRS	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: GG03459-13
Name: PES - 13
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:47

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:58	BRS	EPA 200.8 REV 5.4

Sample: GG03459-14
Name: PES - 14
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:50

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 14:59	BRS	EPA 200.8 REV 5.4

Sample: GG03459-15
Name: PES - 15
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:51

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 15:01	BRS	EPA 200.8 REV 5.4

Sample: GG03459-16
Name: PES - 16
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:53

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 15:02	BRS	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: GG03459-17
Name: PES - 17
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:53

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 15:07	BRS	EPA 200.8 REV 5.4

Sample: GG03459-18
Name: PES - 18
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:55

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 15:08	BRS	EPA 200.8 REV 5.4

Sample: GG03459-19
Name: PES - 19
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:55

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 15:10	BRS	EPA 200.8 REV 5.4

Sample: GG03459-20
Name: PES - 20
Matrix: Drinking Water - Grab

Sampled: 07/13/23 23:57

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/09/23 13:18	1	1.00	08/09/23 15:17	BRS	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: GG03459-21
Name: PES - 21
Matrix: Drinking Water - Grab

Sampled: 07/14/23 00:01

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		08/09/23 13:18	1	1.00	08/09/23 15:19	BRS	EPA 200.8 REV 5.4
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Sample: GG03459-22
Name: PES - 22
Matrix: Drinking Water - Grab

Sampled: 07/14/23 00:02

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 16:40	KMC	EPA 200.8 REV 5.4
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Sample: GG03459-23
Name: PES - 23
Matrix: Drinking Water - Grab

Sampled: 07/14/23 00:04

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		08/09/23 13:18	1	1.00	08/09/23 15:21	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 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 B340782 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B340782-BLK1)				Prepared & Analyzed: 08/09/23					
Lead	< 1.00	ug/L							
LCS (B340782-BS1)				Prepared & Analyzed: 08/09/23					
Lead	47.3	ug/L		50.00		95	85-115		
Matrix Spike (B340782-MS1)				Sample: GG03452-03 Prepared: 08/09/23					
Lead	51.4	ug/L		50.00	0.595	102	70-130		
Matrix Spike (B340782-MS2)				Sample: GG03621-05 Prepared: 08/09/23					
Lead	56.9	ug/L		50.00	1.33	111	70-130		
Matrix Spike (B340782-MS3)				Sample: GG03459-06 Prepared: 08/09/23					
Lead	51.0	ug/L		50.00	0.334	101	70-130		
Matrix Spike (B340782-MS4)				Sample: GG03459-16 Prepared: 08/09/23					
Lead	51.7	ug/L		50.00	0.161	103	70-130		
Matrix Spike (B340782-MS5)				Sample: GG03465-03 Prepared: 08/09/23					
Lead	54.5	ug/L		50.00	3.02	103	70-130		
Matrix Spike (B340782-MS6)				Sample: GG03465-13 Prepared: 08/09/23					
Lead	50.7	ug/L		50.00	0.190	101	70-130		
Matrix Spike (B340782-MS7)				Sample: GG03471-02 Prepared: 08/09/23					
Lead	55.0	ug/L		50.00	0.407	109	70-130		
Matrix Spike (B340782-MS8)				Sample: GG03471-12 Prepared: 08/09/23					
Lead	104	ug/L		100.0	5.93	98	70-130		
Matrix Spike (B340782-MS9)				Sample: GG03476-03 Prepared: 08/09/23					
Lead	49.7	ug/L		50.00	0.539	98	70-130		
Matrix Spike (B340782-MSA)				Sample: GG03476-13 Prepared: 08/09/23					
Lead	52.0	ug/L		50.00	ND	104	70-130		
Matrix Spike (B340782-MSB)				Sample: GG03476-23 Prepared: 08/09/23					
Lead	51.7	ug/L		50.00	1.13	101	70-130		
Matrix Spike (B340782-MSC)				Sample: GG03476-33 Prepared: 08/09/23					
Lead	50.3	ug/L		50.00	ND	101	70-130		
Matrix Spike (B340782-MSD)				Sample: GG03490-06 Prepared: 08/09/23					
Lead	64.2	ug/L		50.00	14.3	100	70-130		



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B340782-MSD1)	Sample: GG03452-03			Prepared & Analyzed: 08/09/23					
Lead	53.5	ug/L		50.00	0.595	106	70-130	4	20
Matrix Spike Dup (B340782-MSD2)	Sample: GG03621-05			Prepared & Analyzed: 08/09/23					
Lead	54.8	ug/L		50.00	1.33	107	70-130	4	20
Matrix Spike Dup (B340782-MSD3)	Sample: GG03459-06			Prepared & Analyzed: 08/09/23					
Lead	50.0	ug/L		50.00	0.334	99	70-130	2	20
Matrix Spike Dup (B340782-MSD4)	Sample: GG03459-16			Prepared & Analyzed: 08/09/23					
Lead	54.6	ug/L		50.00	0.161	109	70-130	6	20
Matrix Spike Dup (B340782-MSD5)	Sample: GG03465-03			Prepared & Analyzed: 08/09/23					
Lead	52.8	ug/L		50.00	3.02	99	70-130	3	20
Matrix Spike Dup (B340782-MSD6)	Sample: GG03465-13			Prepared & Analyzed: 08/09/23					
Lead	49.8	ug/L		50.00	0.190	99	70-130	2	20
Matrix Spike Dup (B340782-MSD7)	Sample: GG03471-02			Prepared & Analyzed: 08/09/23					
Lead	54.1	ug/L		50.00	0.407	107	70-130	2	20
Matrix Spike Dup (B340782-MSD8)	Sample: GG03471-12			Prepared & Analyzed: 08/09/23					
Lead	103	ug/L		100.0	5.93	97	70-130	0.4	20
Matrix Spike Dup (B340782-MSD9)	Sample: GG03476-03			Prepared & Analyzed: 08/09/23					
Lead	56.1	ug/L		50.00	0.539	111	70-130	12	20
Matrix Spike Dup (B340782-MSDA)	Sample: GG03476-13			Prepared & Analyzed: 08/09/23					
Lead	52.4	ug/L		50.00	ND	105	70-130	0.8	20
Matrix Spike Dup (B340782-MSDB)	Sample: GG03476-23			Prepared & Analyzed: 08/09/23					
Lead	48.0	ug/L		50.00	1.13	94	70-130	7	20
Matrix Spike Dup (B340782-MSDC)	Sample: GG03476-33			Prepared & Analyzed: 08/09/23					
Lead	47.5	ug/L		50.00	ND	95	70-130	6	20
Matrix Spike Dup (B340782-MSDD)	Sample: GG03490-06			Prepared & Analyzed: 08/09/23					
Lead	69.6	ug/L		50.00	14.3	111	70-130	8	20
Matrix Spike Dup (B340782-MSDE)	Sample: GG03490-16			Prepared & Analyzed: 08/09/23					
Lead	51.4	ug/L		50.00	ND	103	70-130	4	20
Matrix Spike Dup (B340782-MSDF)	Sample: GG03490-26			Prepared & Analyzed: 08/09/23					
Lead	50.1	ug/L		50.00	0.362	100	70-130	7	20
Matrix Spike (B340782-MSE)	Sample: GG03490-16			Prepared & Analyzed: 08/09/23					
Lead	49.5	ug/L		50.00	ND	99	70-130		
Matrix Spike (B340782-MSF)	Sample: GG03490-26			Prepared & Analyzed: 08/09/23					
Lead	46.8	ug/L		50.00	0.362	93	70-130		



NOTES

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

* Not a TNI accredited analyte

Certifications

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

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

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

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

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

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

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

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

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

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

USEPA DMR-QA Program

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

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

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

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

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

Certified by: Chenise Lambert-Sykes, Project Manager





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

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

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Pond Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>GG0345023</u> LOGGED BY: <u>STAB</u> CLIENT: <u>SCI Engineering</u> PROJECT: <u>Drinking Water Lead</u> PROJ. MGR.: <u>Chenise Lambert-Sykes</u> CUSTODY SEAL #: _____					
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggrissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check		REMARKS					
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID									
CONTACT PERSON Glen Grissom		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED			
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)															
PES-01		7/13/2023		2329		X		DW		1		6			
PES-02		7/13/2023		2331		X		DW		1		6			
PES-03		7/13/2023		2333		X		DW		1		6			
PES-04		7/13/2023		2334		X		DW		1		6			
PES-05		7/13/2023		2334		X		DW		1		6			
PES-06		7/13/2023		2335		X		DW		1		6			
PES-07		7/13/2023		2339		X		DW		1		6			
PES-08		7/13/2023		2340		X		DW		1		6			
PES-09		7/13/2023		2341		X		DW		1		6			
PES-10		7/13/2023		2343		X		DW		1		6			
PES-11		7/13/2023		2346		X		DW		1		6			
CHEMICAL PRESERVATION CODES:		1- HCL		2- H2SO4		3- HNO3		4- NAOH		5- NA2S2O3		6- UNPRESERVED		7- OTHER	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____											
7 RELINQUISHED BY: (SIGNATURE) <i>Kieran Kleinhenz</i>		DATE 7/17/23 TIME 8:30 AM		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23 TIME 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) <i>[Signature]</i>		DATE 7-19-23 TIME 1530		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-10-23 TIME 15:30									
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		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

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



CHAIN OF CUSTODY RECORD
STATE WHERE SAMPLE COLLECTED MO

1 CLIENT SCI Engineering		PROJECT LOCATION 2018-0351.2T Pond Elementary		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY)							
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggrissom@sciengineering.com		DATE SHIPPED		LOGIN # GG03450-23							
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		DW Pb Turb Check		LOGGED BY: 87AB							
CONTACT PERSON Glen Grissom		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>						CLIENT: SCI Engineering							
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED		REMARKS	
PES-12		7/13/2023		2346		X		DW		1		6		X X	
PES-13		7/13/2023		2347		X		DW		1		6		X X	
PES-14		7/13/2023		2350		X		DW		1		6		X X	
PES-15		7/13/2023		2351		X		DW		1		6		X X	
PES-16		7/13/2023		2353		X		DW		1		6		X X	
PES-17		7/13/2023		2353		X		DW		1		6		X X	
PES-18		7/13/2023		2355		X		DW		1		6		X X	
PES-19		7/13/2023		2355		X		DW		1		6		X X	
PES-20		7/14/2023		2357		X		DW		1		6		X X	
PES-21		7/14/2023		0001		X		DW		1		6		X X	
PES-22		7/14/2023		0002		X		DW		1		6		X X	
CHEMICAL PRESERVATION CODES:		1 - HCL		2 - H2SO4		3 - HNO3		4 - NAOH		5 - NA2S2O3		6 - UNPRESERVED		7 - OTHER	
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		TIME 1530				TIME 15:30									
								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							
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December 21, 2023

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



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

RE: Pond Elem 2018-0351.2A

WorkOrder: 23121229

Dear Brian Lieb:

TEKLAB, INC received 6 samples on 12/14/2023 3:45:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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

Client: SCI Engineering, Inc.

Work Order: 23121229

Client Project: Pond Elem 2018-0351.2A

Report Date: 21-Dec-23

This reporting package includes the following:

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

Client: SCI Engineering, Inc.**Work Order:** 23121229**Client Project:** Pond Elem 2018-0351.2A**Report Date:** 21-Dec-23**Abbr Definition**

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)

Client: SCI Engineering, Inc.

Work Order: 23121229

Client Project: Pond Elem 2018-0351.2A

Report Date: 21-Dec-23

Qualifiers

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



Case Narrative

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

Client: SCI Engineering, Inc.

Work Order: 23121229

Client Project: Pond Elem 2018-0351.2A

Report Date: 21-Dec-23

Cooler Receipt Temp: N/A °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515

Phone (630) 324-6855

Fax

Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email jhriley@teklabinc.com

Client: SCI Engineering, Inc.**Work Order:** 23121229**Client Project:** Pond Elem 2018-0351.2A**Report Date:** 21-Dec-23

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



Laboratory Results

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

Client: SCI Engineering, Inc.

Work Order: 23121229

Client Project: Pond Elem 2018-0351.2A

Report Date: 21-Dec-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23121229-001A	PES-2R	NELAP		1.0	1.7	µg/L	1	12/20/2023 16:49	12/14/2023 0:53
23121229-002A	PES-2(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/20/2023 15:32	12/14/2023 0:54
23121229-003A	PES-4R	NELAP		1.0	10.8	µg/L	1	12/20/2023 15:37	12/14/2023 0:55
23121229-004A	PES-4(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/20/2023 15:41	12/14/2023 0:56
23121229-005A	PES-5R	NELAP		1.0	7.1	µg/L	1	12/20/2023 15:46	12/14/2023 0:57
23121229-006A	PES-5(2nd)	NELAP		1.0	< 1.0	µg/L	1	12/20/2023 16:17	12/14/2023 0:58

Client: SCI Engineering, Inc.

Work Order: 23121229

Client Project: Pond Elem 2018-0351.2A

Report Date: 21-Dec-23

Carrier: Craig McKinney

Received By: LM

Completed by:

On:

14-Dec-23

Amber Dilallo

Reviewed by:

On:

14-Dec-23

Ellie Hopkins

Pages to follow:

Chain of custody

Extra pages included

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C **N/A**

Type of thermal preservation?

None ☒

Ice ☐

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

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

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

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

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

Yes ☐

No ☐

NA ☒

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 12/14/2023 4:36:15 PM

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 23121229

(2)

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

Client: <u>SCI Engineering</u> Address: <u>130 Point W Blvd</u> City/State/Zip: <u>63301</u> Contact: <u>Brian Lieb</u> Phone: _____ Email: <u>blieb@sciengineering.com</u> Fax: _____				Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE <u>N/A</u> °C Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: _____			
Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☒ No Are these samples known to be hazardous? ☐ Yes ☒ No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: ☐ Yes ☐ No				Client Comments: RUSH SPPB reporting limit			
PROJECT NAME/NUMBER <u>Pond Elem 2018-0351.2A</u>		SAMPLE COLLECTOR'S NAME <u>Kieran Kleinhenz</u>		# and Type of Containers		INDICATE ANALYSIS REQUESTED	
RESULTS REQUESTED ☐ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other Total Lead Turbidity Check		COURIER	
Lab Use Only	Sample ID	Date/Time Sampled	Matrix				
23121229-001	PES-2R	12/14/23 00:53	Aqueous	1			X X
002	PES-2 (2nd)	12/14/23 00:54	Aqueous	1			X X
003	PES-4R	12/14/23 00:55	Aqueous	1			X X
004	PES-4 (2nd)	12/14/23 00:56	Aqueous	1			X X
005	PES-5R	12/14/23 00:57	Aqueous	1			X X
006	PES-5 (2nd)	12/14/23 00:58	Aqueous	1			X X
			Aqueous				
			Aqueous				
			Aqueous				
			Aqueous				
			Aqueous				
			Aqueous				

Relinquished By		Date/Time		Received By		Date/Time	
		12/14/23 14:00 12/14/23 1540				12/14/23 1540 12/14/23 1545	

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

December 12, 2024

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

RE: 2018-0351.2A-T200-POND ES

Dear Brian Lieb:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **12/3/24 4:50 pm** and logged in under work order **HL01086**. 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 HL01086

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



ANALYTICAL RESULTS

Sample: HL01086-01
Name: PES-4R2
Matrix: Drinking Water - Grab

Sampled: 11/27/24 19:35
Received: 12/03/24 16:50

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

Total Metals - PIA

Lead	1.58	ug/L		12/11/24 10:05	1	1.00	12/11/24 12:30	BRS	EPA 200.8 REV 5.4
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Sample: HL01086-02
Name: PES-5R2
Matrix: Drinking Water - Grab

Sampled: 11/27/24 19:36
Received: 12/03/24 16:50

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

Total Metals - PIA

Lead	2.80	ug/L		12/11/24 10:05	1	1.00	12/11/24 12:32	BRS	EPA 200.8 REV 5.4
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QC SAMPLE RESULTS

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



QC SAMPLE RESULTS

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



NOTES

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

* Not a TNI accredited analyte

Certifications

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

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

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

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

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

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

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

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

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

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

USEPA DMR-QA Program

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

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

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

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

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

Certified by: Chenise Lambert-Sykes, Project Manager



REGULATORY PROGRAM (CIRCLE):	NPDES
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 St. Charles, MO 63301 CONTACT PERSON Brian Lieb		PROJECT LOCATION Pond ES E-MAIL blieb@sciengineering.com		PURCHASE ORDER # DATE SHIPPED		3 ANALYSIS REQUESTED LOGIN # <u>HL01286</u> LOGGED BY: <u>WAB</u> CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR: Cherise Lambert-Sykes CUSTODY SEAL #:		4 (FOR LAB USE ONLY) REMARKS
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) PES-4R2 PES-5R2		PROJECT NUMBER 2018-0351.2A T200 PHONE NUMBER (314) 581-7570 SAMPLER (PLEASE PRINT) Kieran Kleinhenz SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>		DATE COLLECTED 11/27/24 TIME COLLECTED 1935 1936		MATRIX TYPE WW: WASTEWATER DW: DRINKING WATER GW: GROUND WATER MS: NON AQUEOUS SOLID LA: LEACHATE SL: SOIL SOL: SOLID		
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED DATE TIME		6 - NA32303 6 - UNPRESERVED 7 - OTHER		6 I understand that by initiating this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)		
7 RELINQUISHED BY: (SIGNATURE) <i>Brian Lieb</i>		RECEIVED BY: (SIGNATURE) <i>Caroline Bennett</i>		DATE TIME 12/2/24 1650		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		

ENV-FRM-PEOR-0098 v02_Sample Condition Upon Receipt



Client Name: SCI Engineering

Work Order #: _____

Completed by Initials/Date: CRB 12-3-24 1650

Sample Intake Notes:

Custody Seal Present on Package(s) If yes, was seal intact	Yes ☒ No ☐	
Samples received within temperature compliance	Yes ☐ No ☒ N/A	
Was Project Manager contacted if samples were received out of temperature compliance	Yes ☐ No ☐	
Chain of Custody Present	☒ Yes ☐ No	
Current PACE CoC Submitted	☒ Yes ☐ No	
Rush Turn Around Time Requested	Yes ☐ No ☒	
CoC is Legible	☒ Yes ☐ No	
Sampler Name Present	☒ Yes ☐ No	
Sampler Signature Present	☒ Yes ☐ No	
USDA Regulated Soil	Yes ☐ No ☒ N/A	
Country of Origin	Yes ☐ No ☐	
State of Origin		
Unique Sample ID's Present on CoC (If not, Note Container ID's & Contact Project Manager)	☒ Yes ☐ No	
Container(s) Received Intact (If not, Note & Contact Project Manager)	☒ Yes ☐ No	
Containers Received Labeled	☒ Yes ☐ No	
Container Labels are Legible	☒ Yes ☐ No	
Sample Collection Date Present on CoC	☒ Yes ☐ No	
Sample Collection Time Present on CoC	☒ Yes ☐ No	
CoC Relinquished by Client	☒ Yes ☐ No	
CoC and Sample Container Labels Match <u>CRB</u>	☒ Yes ☐ No	<u>VE-9R2 → 9R3</u>
Appropriate Bottles	☒ Yes ☐ No	
Sufficient Sample Volume	☒ Yes ☐ No	
Zero Headspace (<6 mm or no bubbles) present in VOA vials (If headspace is present, note sample ID and # of vials)	Yes ☐ No ☒ N/A	
Trip Blank(s) Received	Yes ☐ No ☒ N/A	
If present, are they Listed on CoC	Yes ☐ No ☐	
All (Non-Field) Analysis Received Within Hold Times	Yes ☐ No ☐	
Short Hold Time Analysis Requested (48 Hours or Less)	Yes ☐ No ☐	
Case Narrative Needed	Yes ☐ No ☐	

Client Notification/Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

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