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
Grover, Missouri 63040

RE: Lead in Drinking Water Report - Resample
Kellison Elementary School
1626 Hawkins Road
Fenton, 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 17 and August 16, 2023, and subsequent resampling conducted on November 18, December 14, 2023, November 27, 2024, July 7, 2025, and March 20, 2026. The purpose of the sampling activities was to screen for elevated levels of lead in the drinking water at potable water sources throughout the above-referenced structure.

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

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

LIMITATIONS

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

During the course of performing the initial survey of the structure, the ice maker in the staff lounge was non-operational. If this fixture is made operational, it should be sampled or labeled non-potable. SCI was able to sample all other locations identified by the school district.

DRINKING WATER SURVEY

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

On July 17, and August 16, 2023, SCI initially collected 24 drinking water samples (KES-1 through KES-24) from various water fixtures located throughout the structure and submitted them for analytical testing. During this sampling event, 4 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. These fixtures were taken out of service until remediation activities could be completed.

During SCI's resampling event on November 18, 2023 and December 14, 2023, five 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 drinking water fixture was under the AL and was returned to service. The remaining fixtures were over the AL, and further remediation activities were recommended.

During SCI's resampling event on November 27, 2024, 2 drinking water samples were collected from fixtures which previously exceeded the AL. During this resampling event, one fixture was under the AL and was returned back to service. The other fixture was still above the AL, and further remediation activities were recommended.

During SCI's resampling event on July 7, 2025, 2 drinking water samples were collected from fixtures which previously exceeded the AL. During this resampling event, one fixture was under the AL and was returned back to service. The other fixture was still above the AL, and further remediation activities were recommended.

During SCI's resampling event on March 20, 2026, 1 drinking water sample was collected from the final fixture which had previously exceeded the AL. During this resampling event, the fixture was below the AL and was returned to service.

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

The drinking water samples were analyzed for lead in accordance with the GTLOSDWA Section 160.077, which establishes an action level (AL) of 5 parts per billion (ppb). The drinking water samples which initially exceeded the AL are identified in Table 1, attached. Additionally, the results of SCI's resampling efforts are included in the right-hand columns below. Results in bold from SCI's resampling indicate a result greater than the AL. A copy of the analytical test results and chain-of-custody for all samples is enclosed.

CONCLUSION AND RECOMMENDATIONS

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

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

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

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

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

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

Respectfully,

SCI ENGINEERING, INC.

Ethan D. Boyer
Staff Scientist

Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/JBK/bmw

Enclosures
Lead Testing Results
Table 1 -

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

August 22, 2023

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

RE: 2018-0351.2T-KES

Dear Glenn Grissom:

Please find enclosed the analytical results for the **18** sample(s) the laboratory received on **7/21/23 2:30 pm** and logged in under work order **GG03943**. 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.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

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

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GG03943

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

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Peoria, IL 61615
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ANALYTICAL RESULTS

Sample: GG03943-01
Name: KES - 1
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:11
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:49	KMC	EPA 200.8 REV 5.4

Sample: GG03943-02
Name: KES - 2
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:12
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:51	KMC	EPA 200.8 REV 5.4

Sample: GG03943-03
Name: KES - 3
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:13
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.20	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:52	KMC	EPA 200.8 REV 5.4

Sample: GG03943-04
Name: KES - 4
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:15
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:54	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GG03943-05
Name: KES - 5
Matrix: Drinking Water - Grab

Sampled: 07/17/23 18:16
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:55	KMC	EPA 200.8 REV 5.4

Sample: GG03943-06
Name: KES - 6
Matrix: Drinking Water - Grab

Sampled: 07/17/23 18:22
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:57	KMC	EPA 200.8 REV 5.4

Sample: GG03943-07
Name: KES - 7
Matrix: Drinking Water - Grab

Sampled: 07/17/23 18:28
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.04	ug/L		08/21/23 10:31	1	1.00	08/21/23 13:58	KMC	EPA 200.8 REV 5.4

Sample: GG03943-08
Name: KES - 8
Matrix: Drinking Water - Grab

Sampled: 07/17/23 18:30
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:00	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GG03943-09
Name: KES - 9
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:31
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:16	KMC	EPA 200.8 REV 5.4

Sample: GG03943-10
Name: KES - 10
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:43
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:21	KMC	EPA 200.8 REV 5.4

Sample: GG03943-11
Name: KES - 11
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:47
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	3.26	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:22	KMC	EPA 200.8 REV 5.4

Sample: GG03943-12
Name: KES - 12
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:49
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.71	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:24	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GG03943-13
Name: KES - 13
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:51
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	20.0	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:25	KMC	EPA 200.8 REV 5.4

Sample: GG03943-14
Name: KES - 14
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:52
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	12.4	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:27	KMC	EPA 200.8 REV 5.4

Sample: GG03943-15
Name: KES - 15
Matrix: Drinking Water - Grab
Sampled: 07/17/23 18:53
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.89	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:29	KMC	EPA 200.8 REV 5.4

Sample: GG03943-16
Name: KES - 16
Matrix: Drinking Water - Grab
Sampled: 07/17/23 19:05
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.52	ug/L		08/01/23 10:31	1	1.00	08/14/23 12:52	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GG03943-17
Name: KES - 17
Matrix: Drinking Water - Grab

Sampled: 07/17/23 19:06
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:30	KMC	EPA 200.8 REV 5.4

Sample: GG03943-18
Name: KES - 18
Matrix: Drinking Water - Grab

Sampled: 07/17/23 19:07
Received: 07/21/23 14:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:35	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
Batch B340057 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B340057-BLK1)				Prepared: 08/01/23 Analyzed: 08/14/23					
Lead	< 1.11	ug/L							
LCS (B340057-BS1)				Prepared: 08/01/23 Analyzed: 08/14/23					
Lead	577	ug/L		555.6		104	85-115		
Matrix Spike (B340057-MS1)	**Sample: GG02911-03**			Prepared: 08/01/23 Analyzed: 08/14/23					
Lead	569	ug/L		555.6	0.707	102	70-130		
Matrix Spike Dup (B340057-MSD1)	**Sample: GG02911-03**			Prepared: 08/01/23 Analyzed: 08/14/23					
Lead	570	ug/L		555.6	0.707	103	70-130	0.2	20
Batch B341769 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B341769-BLK1)				Prepared & Analyzed: 08/21/23					
Lead	< 1.00	ug/L							
LCS (B341769-BS1)				Prepared & Analyzed: 08/21/23					
Lead	53.7	ug/L		50.00		107	85-115		
Matrix Spike (B341769-MS1)	**Sample: GG03939-01**			Prepared & Analyzed: 08/21/23					
Lead	101	ug/L		50.00	2.28	196	70-130		
Matrix Spike (B341769-MS2)	**Sample: GG03939-11**			Prepared & Analyzed: 08/21/23					
Lead	77.1	ug/L		50.00	22.5	109	70-130		
Matrix Spike (B341769-MS3)	**Sample: GG03941-10**			Prepared & Analyzed: 08/21/23					
Lead	53.5	ug/L		50.00	0.169	107	70-130		
Matrix Spike (B341769-MS4)	**Sample: GG03941-20**			Prepared & Analyzed: 08/21/23					
Lead	49.8	ug/L		50.00	0.213	99	70-130		
Matrix Spike (B341769-MS5)	**Sample: GG03943-09**			Prepared & Analyzed: 08/21/23					
Lead	44.5	ug/L		50.00	0.448	88	70-130		
Matrix Spike (B341769-MS6)	**Sample: GG02258-07**			Prepared & Analyzed: 08/21/23					
Lead	51.9	ug/L		50.00	3.96	96	70-130		
Matrix Spike (B341769-MS7)	**Sample: GG03725-05**			Prepared & Analyzed: 08/21/23					
Lead	50.3	ug/L		50.00	0.794	99	70-130		
Matrix Spike (B341769-MS8)	**Sample: GG03938-01**			Prepared & Analyzed: 08/21/23					
Lead	47.8	ug/L		50.00	0.572	95	70-130		
Matrix Spike (B341769-MS9)	**Sample: GG04124-07**			Prepared & Analyzed: 08/21/23					
Lead	50.6	ug/L		50.00	1.66	98	70-130		
Matrix Spike (B341769-MSA)	**Sample: GG04157-01**			Prepared & Analyzed: 08/21/23					
Lead	50.9	ug/L		50.00	2.46	97	70-130		
Matrix Spike (B341769-MSB)	**Sample: GG04268-02**			Prepared & Analyzed: 08/21/23					
Lead	< 1.00	ug/L	Q1	50.00	ND		70-130		
Matrix Spike (B341769-MSC)	**Sample: GG04316-01**			Prepared & Analyzed: 08/21/23					
Lead	51.6	ug/L		50.00	1.64	100	70-130		
Matrix Spike Dup (B341769-MSD1)	**Sample: GG03939-01**			Prepared & Analyzed: 08/21/23					
Lead	103	ug/L		50.00	2.28	201	70-130	2	20
Matrix Spike Dup (B341769-MSD2)	**Sample: GG03939-11**			Prepared & Analyzed: 08/21/23					
Lead	73.6	ug/L		50.00	22.5	102	70-130	5	20
Matrix Spike Dup (B341769-MSD3)	**Sample: GG03941-10**			Prepared & Analyzed: 08/21/23					
Lead	60.0	ug/L		50.00	0.169	120	70-130	11	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341769-MSD4)	**Sample: GG03941-20**			Prepared & Analyzed: 08/21/23					
Lead	48.8	ug/L		50.00	0.213	97	70-130	2	20
Matrix Spike Dup (B341769-MSD5)	**Sample: GG03943-09**			Prepared & Analyzed: 08/21/23					
Lead	44.6	ug/L		50.00	0.448	88	70-130	0.3	20
Matrix Spike Dup (B341769-MSD6)	**Sample: GG02258-07**			Prepared & Analyzed: 08/21/23					
Lead	53.4	ug/L		50.00	3.96	99	70-130	3	20
Matrix Spike Dup (B341769-MSD7)	**Sample: GG03725-05**			Prepared & Analyzed: 08/21/23					
Lead	51.7	ug/L		50.00	0.794	102	70-130	3	20
Matrix Spike Dup (B341769-MSD8)	**Sample: GG03938-01**			Prepared & Analyzed: 08/21/23					
Lead	53.3	ug/L		50.00	0.572	106	70-130	11	20
Matrix Spike Dup (B341769-MSD9)	**Sample: GG04124-07**			Prepared & Analyzed: 08/21/23					
Lead	53.6	ug/L		50.00	1.66	104	70-130	6	20
Matrix Spike Dup (B341769-MSDA)	**Sample: GG04157-01**			Prepared & Analyzed: 08/21/23					
Lead	50.4	ug/L		50.00	2.46	96	70-130	0.9	20
Matrix Spike Dup (B341769-MSDB)	**Sample: GG04268-02**			Prepared & Analyzed: 08/21/23					
Lead	< 1.00	ug/L	Q2	50.00	ND		70-130		20
Matrix Spike Dup (B341769-MSDC)	**Sample: GG04316-01**			Prepared & Analyzed: 08/21/23					
Lead	53.3	ug/L		50.00	1.64	103	70-130	3	20

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

NOTES

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

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q2 Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.



Certified by: Chenise Lambert-Sykes, Project Manager

Pace Analytical Services
WWW.PACELABS.COM

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	2018-0351.2T	KES	
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
KES- 1	7-17-23	1811	X	X	DW	1	6	X	X					
KES- 2	7-17-23	1812	X	X	DW	1	6	X	X					
KES- 3	7-17-23	1813	X	X	DW	1	6	X	X					
KES- 4	7-17-23	1815	X	X	DW	1	6	X	X					
KES- 5	7-17-23	1816	X	X	DW	1	6	X	X					
KES- 6	7-17-23	1822	X	X	DW	1	6	X	X					
KES- 7	7-17-23	1828	X	X	DW	1	6	X	X					
KES- 8	7-17-23	1830	X	X	DW	1	6	X	X					
KES- 9	7-17-23	1831	X	X	DW	1	6	X	X					
KES- 10	7-17-23	1843	X	X	DW	1	6	X	X					
KES- 11	7-17-23	1847	X	X	DW	1	6	X	X					

CHEMICAL PRESERVATION CODES:	1 – HCL	2 – H2SO4	3 – HNO3	4 – NAOH	5 – NA2S2O3	6 – UNPRESERVED	7 – OTHER

4 (FOR LAB USE ONLY)
LOGIN #: GG03943
LOGGED BY: SMP
CLIENT: SCI Engineering
PROJECT: Drinking Water Lead
PROJ. MGR.: Chenise Lambert-Sykes
CUSTODY SEAL #:

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE): NORMAL RUSH
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		DATE	TIME
RELINQUISHED BY: (SIGNATURE)		7.20-23	15:43
RECEIVED BY: (SIGNATURE)		7/21/23	1000
RELINQUISHED BY: (SIGNATURE)		7/21/23	1430
RECEIVED BY: (SIGNATURE)			
RELINQUISHED BY: (SIGNATURE)			
RECEIVED BY: (SIGNATURE)		7-21-23	14:30

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

Pace Analytical Services
WWW.PACELABS.COM

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	2018-0351.2T	KES	
ADDRESS	**PHONE NUMBER**	**E-MAIL**	**DATE SHIPPED**
130 Point West Blvd	(314) 581-7570	ggrissom@sciengineering.com	
CITY STATE ZIP	**SAMPLER (PLEASE PRINT)**	**MATRIX TYPES:**	
St. Charles, MO 63301	Ethan Boyer	WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID	
CONTACT PERSON	**SAMPLER'S SIGNATURE**		
Glen Grissom			

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # GG03943
LOGGED BY: SAD
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	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE (CLIENT PROVIDED)	DW Pb	Turb Check						REMARKS
KES- 12	7-17-23	1849	X	X	DW	1	6	X	X						
KES- 13	7-17-23	1851	X	X	DW	1	6	X	X						
KES- 14	7-17-23	1852	X	X	DW	1	6	X	X						
KES- 15	7-17-23	1853	X	X	DW	1	6	X	X						
KES- 16	7-17-23	1905	X	X	DW	1	6	X	X						
KES- 17	7-17-23	1906	X	X	DW	1	6	X	X						
KES- 18	7-17-23	1907	X	X	DW	1	6	X	X						

CHEMICAL PRESERVATION CODES: 1 – HCL | 2 – H2SO4 | 3 – HNO3 | 4 – NAOH | 5 – NA2S2O3 | 6 – UNPRESERVED | 7 – OTHER

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH
(RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE)
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	DATE	TIME		DATE	TIME
RELINQUISHED BY: (SIGNATURE)	7.20.23	15:43	RECEIVED BY: (SIGNATURE)	7/21/23	1020
RELINQUISHED BY: (SIGNATURE)	7/21/23	1430	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)	7-21-23	14:30

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

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

October 22, 2023

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

RE: 2018-0351.2T-Kellison Elementary

Dear Glenn Grissom:

Please find enclosed the analytical results for the **6** sample(s) the laboratory received on **8/18/23 3:20 pm** and logged in under work order **GH04164**. 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.



Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

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

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GH04164

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

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Peoria, IL 61615
(800)752-6651

Case Narrative

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

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Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: GH04164-01 **Sampled:** 08/16/23 20:26
Name: KES-19 **Received:** 08/18/23 15:20
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - Pace Analytical - Ormond Beach									
Lead	4.1	ug/L		08/16/23 20:26	1	1		PACE	EPA 200.8 REV 5.4

Sample: GH04164-02 **Sampled:** 08/16/23 20:31
Name: KES-20 **Received:** 08/18/23 15:20
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - Pace Analytical - Ormond Beach									
Lead	< 1	ug/L		08/16/23 20:31	1	1		PACE	EPA 200.8 REV 5.4

Sample: GH04164-03 **Sampled:** 08/16/23 20:33
Name: KES-21 **Received:** 08/18/23 15:20
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - Pace Analytical - Ormond Beach									
Lead	< 1	ug/L		08/16/23 20:33	1	1		PACE	EPA 200.8 REV 5.4

Sample: GH04164-04 **Sampled:** 08/16/23 20:34
Name: KES-22 **Received:** 08/18/23 15:20
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - Pace Analytical - Ormond Beach									
Lead	< 1	ug/L		08/16/23 20:34	1	1		PACE	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GH04164-05
Name: KES-23
Matrix: Drinking Water - Grab

Sampled: 08/16/23 20:37
Received: 08/18/23 15:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - Pace Analytical - Ormond Beach									
Lead	< 1	ug/L		08/16/23 20:37	1	1		PACE	EPA 200.8 REV 5.4

Sample: GH04164-06
Name: KES-24
Matrix: Drinking Water - Grab

Sampled: 08/16/23 20:28
Received: 08/18/23 15:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Subcontracted Analysis - Pace Analytical - Ormond Beach									
Lead	28.4	ug/L		08/16/23 20:28	1	1		PACE	EPA 200.8 REV 5.4

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

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

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

October 12, 2023

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

RE: Project: GH04164
Pace Project No.: 35832459

Dear Chenise Lambert-Sykes:

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

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

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Bradley Smith

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

Enclosures

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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: GH04164
Pace Project No.: 35832459

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: GH04164
Pace Project No.: 35832459

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35832459001	**GH04164-01**	EPA 200.8	LEC	1	PASI-O
35832459002	**GH04164-02**	EPA 200.8	LEC	1	PASI-O
35832459003	**GH04164-03**	EPA 200.8	LEC	1	PASI-O
35832459004	**GH04164-04**	EPA 200.8	LEC	1	PASI-O
35832459005	**GH04164-05**	EPA 200.8	LEC	1	PASI-O
35832459006	**GH04164-06**	EPA 200.8	LEC	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: GH04164
Pace Project No.: 35832459

Sample: GH04164-01 **Lab ID: 35832459001** Collected: 08/16/23 20:26 Received: 10/05/23 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	**4.1**	ug/L	1.0	1		10/12/23 16:03	7439-92-1	

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ANALYTICAL RESULTS

Project: GH04164
Pace Project No.: 35832459

Sample: GH04164-02 **Lab ID: 35832459002** Collected: 08/16/23 20:31 Received: 10/05/23 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		10/12/23 16:04	7439-92-1	

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ANALYTICAL RESULTS

Project: GH04164
Pace Project No.: 35832459

Sample: GH04164-03 **Lab ID: 35832459003** Collected: 08/16/23 20:33 Received: 10/05/23 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		10/12/23 16:06	7439-92-1	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: GH04164
Pace Project No.: 35832459

Sample: GH04164-04 **Lab ID: 35832459004** Collected: 08/16/23 20:34 Received: 10/05/23 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		10/12/23 16:07	7439-92-1	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: GH04164
Pace Project No.: 35832459

Sample: GH04164-05 **Lab ID: 35832459005** Collected: 08/16/23 20:37 Received: 10/05/23 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		10/12/23 16:11	7439-92-1	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: GH04164
Pace Project No.: 35832459

Sample: GH04164-06 **Lab ID: 35832459006** Collected: 08/16/23 20:28 Received: 10/05/23 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	**28.4**	ug/L	1.0	1		10/12/23 16:13	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: GH04164
Pace Project No.: 35832459

QC Batch: 957384
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35832459001, 35832459002, 35832459003, 35832459004, 35832459005, 35832459006

METHOD BLANK: 5265270 Matrix: Water
Associated Lab Samples: 35832459001, 35832459002, 35832459003, 35832459004, 35832459005, 35832459006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/12/23 16:17	

LABORATORY CONTROL SAMPLE: 5265271

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5265266 5265267

Parameter	Units	35832442079 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	ND	50	50	50.9	49.2	102	98	70-130	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5265268 5265269

Parameter	Units	35832459006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	28.4	50	50	79.0	77.9	101	99	70-130	2	

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

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: GH04164
Pace Project No.: 35832459

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GH04164
Pace Project No.: 35832459

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35832459001	**GH04164-01**	EPA 200.8	957384		
35832459002	**GH04164-02**	EPA 200.8	957384		
35832459003	**GH04164-03**	EPA 200.8	957384		
35832459004	**GH04164-04**	EPA 200.8	957384		
35832459005	**GH04164-05**	EPA 200.8	957384		
35832459006	**GH04164-06**	EPA 200.8	957384		

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SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

GH04164

WO# : 35832459

35832459

SENDING LABORATORY

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

RECEIVING LABORATORY

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

Sample: GH04164-01
Name: KES-19

Sampled: 08/16/23 20:26
Matrix: Drinking Water
Preservative: HNO3, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/12/24 20:26	
01-Turb check	08/31/23 16:00	02/12/24 20:26	

Sample: GH04164-02
Name: KES-20

Sampled: 08/16/23 20:31
Matrix: Drinking Water
Preservative: HNO3, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/12/24 20:31	
01-Turb check	08/31/23 16:00	02/12/24 20:31	

Sample: GH04164-03
Name: KES-21

Sampled: 08/16/23 20:33
Matrix: Drinking Water
Preservative: HNO3, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/12/24 20:33	
01-Turb check	08/31/23 16:00	02/12/24 20:33	

Sample: GH04164-04
Name: KES-22

Sampled: 08/16/23 20:34
Matrix: Drinking Water
Preservative: HNO3, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/12/24 20:34	
01-Turb check	08/31/23 16:00	02/12/24 20:34	

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

GH04164

WO# : 35832459

PM: BTS **Due Date: 10/13/23**

CLIENT: PACHAZ

SENDING LABORATORY

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

RECEIVING LABORATORY

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

Sample: GH04164-05
Name: KES-23

Sampled: 08/16/23 20:37
Matrix: Drinking Water
Preservative: HNO3, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/12/24 20:37	
01-Turb check	08/31/23 16:00	02/12/24 20:37	

Sample: GH04164-06
Name: KES-24

Sampled: 08/16/23 20:28
Matrix: Drinking Water
Preservative: HNO3, pH <2

Analysis	Due	Expires	Comments
01-Pb 200.8 DW Schools	08/31/23 16:00	02/12/24 20:28	
01-Turb check	08/31/23 16:00	02/12/24 20:28	

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

Date Shipped: 10/2/23 Total # of Containers: 6 Sample Origin (State): _____ PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

	Date/Time		Date/Time
Relinquished By	10/1/23 1200	Received By	10/2/23 0515
Relinquished By	10/2/23 0515	Received By	10/5/23 1630

Sample Temperature Upon Receipt	20.5 °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35832459

PM: BTS **Due Date: 10/13/23**

CLIENT: PACHAZ

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T409 Date: 10-5-23 Time: 1637 Initials: JRS

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	24.3 (Visual)	tal (Correction Factor)	24.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	25.3 (Visual)	_____ (Correction Factor)	25.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	23.2 (Visual)	_____ (Correction Factor)	23.3 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	22.2 (Visual)	_____ (Correction Factor)	22.3 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	24.4 (Visual)	_____ (Correction Factor)	24.5 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	25.3 (Visual)	_____ (Correction Factor)	25.4 (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	Time: _____ Initials: _____

Courier: ☑Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐Other: _____

Shipping Method: ☐Standard Overnight ☐First Overnight ☐Priority Overnight ☑Ground ☐International Priority ☐Other: _____

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

Tracking # 7903 7806 2713

Custody Seal Present: ☐Yes ☐No **Seal properly placed and intact:** ☐Yes ☐No **Ice:** ☐Wet ☐Blue ☑Dry ☐None ☐Melted

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

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

Shorted Date: _____ **Shorted Time:** _____

Bottle Quantity / Type:

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

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

Samples Arrived within Hold Time	☑Yes	☐No	☐N/A	Comments:
Rush Turnaround Requested on COC	☐Yes	☑No	☐N/A	Comments:
Sufficient Volume	☑Yes	☐No	☐N/A	Comments:
Correct Containers Used	☑Yes	☐No	☐N/A	Comments:
Containers Intact	☑Yes	☐No	☐N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection)	☑Yes	☐No	☐N/A	Comments:
All containers needing acid / base preservation have been checked.	☑Yes	☐No	☐N/A	**Preservation Information**
All containers needing preservation are found to be in compliance with EPA recommendation: (Exceptions: Vials, Microbiology, O&G, PFAS)	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments): All containers arrived in 500mL co

cooler #14, 23.6, cooler #15 25.7

Pace

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

Date and Initials of person:

Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T409 Date: 10-5-23 Time: 1637 Initials: JRS

State of Origin: _____

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 24.3 **(Visual)**	tol **(Correction Factor)**	24.4 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C 25.3 **(Visual)**	_____ **(Correction Factor)**	25.4 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C 23.2 **(Visual)**	_____ **(Correction Factor)**	23.3 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C 22.2 **(Visual)**	_____ **(Correction Factor)**	22.3 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C 24.1 **(Visual)**	_____ **(Correction Factor)**	24.5 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C 25.3 **(Visual)**	_____ **(Correction Factor)**	25.4 **(Actual)**	☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	**Time:** _____ **Initials:** _____

Courier: ☑Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐Other: _____

Shipping Method: ☐Standard Overnight ☐First Overnight ☐Priority Overnight ☑Ground ☐International Priority ☐Other: _____

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

Tracking # _____

Custody Seal Present: ☐Yes ☐No **Seal properly placed and intact:** ☐Yes ☐No **Ice:** ☐Wet ☐Blue ☑Dry ☐None ☐Melted

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

Samples shorted to lab: ☐Yes ☐No (If yes, complete the following)
Shorted Date: _____ **Shorted Time:** _____
Bottle Quantity / Type:

Chain of Custody:	**Present:** ☐Yes ☐No | **Filled Out:** ☐Yes ☐No ☐N/A | **Relinquished From Pace:** ☐Yes ☐No ☐N/A | **Sampler Name:** ☐Yes ☐No ☐N/A			
	Relinquished To Pace: ☐Yes ☐No ☐N/A | **Sampling Date(s):** ☐Yes ☐No ☐N/A | **Sampling Time(s):** ☐Yes ☐No ☐N/A			
Samples Arrived within Hold Time.	☐Yes	☐No	☐N/A	Comments:
Rush Turnaround Requested on COC.	☐Yes	☐No	☐N/A	Comments:
Sufficient Volume.	☐Yes	☐No	☐N/A	Comments:
Correct Containers Used.	☐Yes	☐No	☐N/A	Comments:
Containers Intact.	☐Yes	☐No	☐N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐Yes	☐No	☐N/A	Comments:
All containers needing acid / base preservation have been checked.	☐Yes	☐No	☐N/A	**Preservation Information**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☐N/A	
Trip Blank Present:	☐Yes	☐No	☐N/A	

Comments / Resolutions (use back for additional comments): All Samples arrived in 500mL Containers
SCUR Continued

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35832459

PM: BTS **Due Date: 10/13/23**

CLIENT: PACHAZ

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T409 Date: 10-5-23 Time: 16:36 Initials: JRS

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	22.3 (Visual)	+0.1 (Correction Factor)	22.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	23.8 (Visual)	_____ (Correction Factor)	23.9 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	24.4 (Visual)	_____ (Correction Factor)	24.5 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	22.3 (Visual)	_____ (Correction Factor)	22.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	25.8 (Visual)	_____ (Correction Factor)	25.9 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	21.2 (Visual)	_____ (Correction Factor)	21.3 (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	Time: _____ Initials: _____

Courier: ☑Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐Other: _____

Shipping Method: ☐Standard Overnight ☐First Overnight ☐Priority Overnight ☑Ground ☐International Priority ☐Other: _____

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

Tracking # _____

Custody Seal Present: ☐Yes ☐No Seal properly placed and intact: ☐Yes ☐No Ice: ☐Wet ☐Blue ☑Dry ☐None ☐Melted

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

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

Shorted Date: _____ Shorted Time: _____

Bottle Quantity / Type:

Chain of Custody:	**Present:** ☐Yes ☐No | **Filled Out:** ☐Yes ☐No ☐N/A | **Relinquished From Pace:** ☐Yes ☐No ☐N/A | **Sampler Name:** ☐Yes ☐No ☐N/A			
	Relinquished To Pace: ☐Yes ☐No ☐N/A | **Sampling Date(s):** ☐Yes ☐No ☐N/A | **Sampling Time(s):** ☐Yes ☐No ☐N/A			
Samples Arrived within Hold Time.	☐Yes	☐No	☐N/A	Comments:
Rush Turnaround Requested on COC.	☐Yes	☐No	☐N/A	Comments:
Sufficient Volume.	☐Yes	☐No	☐N/A	Comments:
Correct Containers Used.	☐Yes	☐No	☐N/A	Comments:
Containers Intact.	☐Yes	☐No	☐N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐Yes	☐No	☐N/A	Comments:
All containers needing acid / base preservation have been checked.	☐Yes	☐No	☐N/A	**Preservation Information**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☐N/A	
Trip Blank Present:	☐Yes	☐No	☐N/A	

Comments / Resolutions (use back for additional comments): All Samples arrived in 500mL containers.

Cooler #7 23.4 +0.1 23.5 Sucr continued

Pace Analytical Services
WWW.PACELABS.COM

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

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED: MO

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

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2018-0351.2T	Kellison Elementary	
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)** 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	
CONTACT PERSON Glen Grissom	**SAMPLER'S SIGNATURE** Kieran Kleinhenz		

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
KES-19	8/16/2023	2026	X		DW	1	6	X	X	
KES-20	8/16/2023	2031	X		DW	1	6	X	X	
KES-21	8/16/2023	2033	X		DW	1	6	X	X	
KES-22	8/16/2023	2034	X		DW	1	6	X	X	
KES-23	8/16/2023	2037	X		DW	1	6	X	X	
KES-24	8/16/2023	2028	X		DW	1	6	X	X	

4 (FOR LAB USE ONLY)
LOGIN # 64084164
LOGGED BY:
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)
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	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
Kieran Kleinhenz	8/18/23	14:00	Jill Clark	8/18/23	1520
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 21.4 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N
DATE AND TIME TAKEN FROM SAMPLE BOTTLE

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

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

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

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

4 To be completed by laboratory personnel.

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

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

Summarized Sample Acceptance Policy Requirements:

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

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.
BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

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

8 To be completed by laboratory personnel.

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

SERVING YOU IN THE FOLLOWING LOCATIONS

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

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

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

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

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

November 27, 2023

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

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

RE: 2018-0351.2A T200 **WorkOrder:** 23111541

Dear Brian Lieb:

TEKLAB, INC received 4 samples on 11/20/2023 2:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Patrick Riley

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

Report Contents

Client: SCI Engineering, Inc.
Work Order: 23111541
Client Project: 2018-0351.2A T200
Report Date: 27-Nov-23

This reporting package includes the following:

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

Client: SCI Engineering, Inc. **Work Order:** 23111541

Client Project: 2018-0351.2A T200 **Report Date:** 27-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)

Definitions

Client: SCI Engineering, Inc.
Work Order: 23111541
Client Project: 2018-0351.2A T200
Report Date: 27-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.
Client Project: 2018-0351.2A T200

Work Order: 23111541
Report Date: 27-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

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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

Chicago

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

Client: SCI Engineering, Inc. **Work Order:** 23111541

Client Project: 2018-0351.2A T200 **Report Date:** 27-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

Client: SCI Engineering, Inc.
Work Order: 23111541
Client Project: 2018-0351.2A T200
Report Date: 27-Nov-23
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23111541-001A	KES-13R	NELAP		1.0	**111**	µg/L	5	11/27/2023 8:07	11/18/2023 6:05
23111541-002A	KES-13(2nd)	NELAP		1.0	**< 1.0**	µg/L	1	11/22/2023 6:51	11/18/2023 6:06
23111541-003A	KES-14R	NELAP		1.0	**1.2**	µg/L	1	11/22/2023 1:51	11/18/2023 6:08
23111541-004A	KES-14(2nd)	NELAP		1.0	**< 1.0**	µg/L	1	11/22/2023 2:20	11/18/2023 6:09

Receiving Check List

http://www.teklabinc.com/

Client: SCI Engineering, Inc.
Client Project: 2018-0351.2A T200

Work Order: 23111541
Report Date: 27-Nov-23

Carrier: Payton Yoch

Received By: AMD

Completed by: Amber Dilallo
On: 20-Nov-23

Reviewed by: Ellie Hopkins
On: 20-Nov-23

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 - 11/20/2023 2:45:31 PM

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 23111541

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

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

Samples on: ☒ ICE ☐ BLUE ICE ☒ NO ICE N/A °C LTG#

Preserved in: ☒ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

5ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? If yes, include details of the hazard. ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number: 2018-0351.2A T200

Sample Collector's Name: Ethan Boyer

Results Requested: ☐ Standard ☒ 1-2 Day (100% Surcharge) ☐ Other ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW Lead
23111541 001	KES-13R	11/18/23 0605	4								X	X					X
002	KES-13(240)	11/18/23 0606	1									X					X
003	KES-14R	11/18/23 0608	1									X					X
004	KES-14(240)	11/18/23 0609	1									X					X

Courier

ONE DAY TAT

Relinquished By	Date/Time	Received By	Date/Time
	11/20/23 10:30am		11/20/23 1230
	11/20/23 1400		11/20/23 1400

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.

BottleOrder: 85100

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: Kellison Elem 2018-0351.2A **WorkOrder:** 23121220

Dear Brian Lieb:

TEKLAB, INC received 1 sample 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

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

Report Contents

Client: SCI Engineering, Inc.
Work Order: 23121220
Client Project: Kellison 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:** 23121220

Client Project: Kellison 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)

Definitions

Client: SCI Engineering, Inc.
Work Order: 23121220

Client Project: Kellison 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: 23121220
Client Project: Kellison 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

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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

Chicago

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

Client: SCI Engineering, Inc. **Work Order:** 23121220

Client Project: Kellison 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

Client: SCI Engineering, Inc.
Work Order: 23121220
Client Project: Kellison 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									
23121220-001A	KES-19R	NELAP		1.0	**24.9**	µg/L	1	12/19/2023 13:44	12/14/2023 3:37

Receiving Check List

http://www.teklabinc.com/

Client: SCI Engineering, Inc.
Client Project: Kellison Elem 2018-0351.2A

Work Order: 23121220
Report Date: 21-Dec-23

Carrier: Craig McKinney
Received By: LM

Completed by: Amber Dilallo
On: 14-Dec-23

Reviewed by: Ellie Hopkins
On: 14-Dec-23

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	N/A
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice	☐
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.					
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑		
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑		
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐		
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑		

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 12/14/2023 4:27:02 PM

Print PDF

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 23121220

9

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

Client: SCI Engineering
Address: 130 Point W Blvd
City/State/Zip: St Charles, MO 63301
Contact: Brian Lieb Phone:
Email: blieb@sciengineering.com Fax:

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

Client Comments:
5ppb reporting limit

RUSH

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	SAMPLE COLLECTOR'S NAME
Kellison Elem 2018-0351.2A	Kieran Kleinhenz

RESULTS REQUESTED
☐ Standard ☑ 1-2 Day (100% Surcharge)
☐ Other ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Total Lead	Turbidity Check	COURIER
23121220-001	KES-14R	12/14/23 03:37	Aqueous	1									X	X	
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												
			Aqueous												

Relinquished By	Date/Time	Received By	Date/Time
Brian Lieb	12/14/23 19:00		12/14/23 1500
	12/14/23 1545		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. Bvld.
St. Charles, MO 63301

RE: 2018-0351.2A-T200-KELLISON 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 **HL01121**. 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.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

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

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order HL01121

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

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

ANALYTICAL RESULTS

Sample: HL01121-01
Name: KES-13R2
Matrix: Drinking Water - Grab

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

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	7.11	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:27	BRS	EPA 200.8 REV 5.4

Sample: HL01121-02
Name: KES-19R2
Matrix: Drinking Water - Grab

Sampled: 11/27/24 16:59
Received: 12/03/24 16:50

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.83	ug/L		12/11/24 10:05	1	1.00	12/11/24 13:29	BRS	EPA 200.8 REV 5.4

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

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B450611 - DW 200.8 no prep - EPA 200.8 REV 5.4									
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)	**Sample: HL00221-01**			Prepared & Analyzed: 12/11/24					
Lead	57.8	ug/L		50.00	0.341	115	70-130		
Matrix Spike (B450611-MS2)	**Sample: HL01071-01**			Prepared & Analyzed: 12/11/24					
Lead	57.0	ug/L		50.00	3.02	108	70-130		
Matrix Spike (B450611-MS3)	**Sample: HL01093-03**			Prepared & Analyzed: 12/11/24					
Lead	58.3	ug/L		50.00	6.95	103	70-130		
Matrix Spike (B450611-MS4)	**Sample: HL01111-02**			Prepared & Analyzed: 12/11/24					
Lead	63.7	ug/L		50.00	12.0	103	70-130		
Matrix Spike (B450611-MS5)	**Sample: HL01116-07**			Prepared & Analyzed: 12/11/24					
Lead	51.8	ug/L		50.00	0.753	102	70-130		
Matrix Spike (B450611-MS6)	**Sample: HL01123-05**			Prepared & Analyzed: 12/11/24					
Lead	75.3	ug/L		50.00	21.6	107	70-130		
Matrix Spike (B450611-MS7)	**Sample: HL01129-07**			Prepared & Analyzed: 12/11/24					
Lead	101	ug/L		50.00	45.8	111	70-130		
Matrix Spike (B450611-MS8)	**Sample: HL01131-04**			Prepared & Analyzed: 12/11/24					
Lead	72.0	ug/L		50.00	18.1	108	70-130		
Matrix Spike (B450611-MS9)	**Sample: HL01134-02**			Prepared & Analyzed: 12/11/24					
Lead	56.6	ug/L		50.00	3.75	106	70-130		
Matrix Spike (B450611-MSA)	**Sample: HL00670-02**			Prepared & Analyzed: 12/11/24					
Lead	54.8	ug/L		50.00	1.80	106	70-130		
Matrix Spike (B450611-MSB)	**Sample: HL01147-03**			Prepared & Analyzed: 12/11/24					
Lead	53.4	ug/L		50.00	2.56	102	70-130		
Matrix Spike (B450611-MSC)	**Sample: HL00107-07**			Prepared & Analyzed: 12/11/24					
Lead	64.3	ug/L		50.00	8.30	112	70-130		
Matrix Spike (B450611-MSD)	**Sample: HL00109-02**			Prepared & Analyzed: 12/11/24					
Lead	58.6	ug/L		50.00	0.0280	117	70-130		
Matrix Spike Dup (B450611-MSD1)	**Sample: HL00221-01**			Prepared & Analyzed: 12/11/24					
Lead	55.4	ug/L		50.00	0.341	110	70-130	4	20
Matrix Spike Dup (B450611-MSD2)	**Sample: HL01071-01**			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)	**Sample: HL01093-03**			Prepared & Analyzed: 12/11/24					
Lead	59.3	ug/L		50.00	6.95	105	70-130	2	20
Matrix Spike Dup (B450611-MSD4)	**Sample: HL01111-02**			Prepared & Analyzed: 12/11/24					
Lead	64.4	ug/L		50.00	12.0	105	70-130	1	20
Matrix Spike Dup (B450611-MSD5)	**Sample: HL01116-07**			Prepared & Analyzed: 12/11/24					
Lead	53.5	ug/L		50.00	0.753	105	70-130	3	20
Matrix Spike Dup (B450611-MSD6)	**Sample: HL01123-05**			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)	**Sample: HL01129-07**			Prepared & Analyzed: 12/11/24					
Lead	96.6	ug/L		50.00	45.8	102	70-130	5	20

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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		

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NOTES

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* 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

Pace Analytical Services
WWW.PACELABS.COM

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

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED: MO

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

(1) CLIENT: SCI Engineering
ADDRESS: 130 Point West Blvd
CITY STATE ZIP: St. Charles, MO 63301
CONTACT PERSON: Brian Lieb

PROJECT NUMBER: 2018-0351.2A T200
PROJECT LOCATION: Kellison ES
PURCHASE ORDER #:
PHONE NUMBER: (314) 581-7570
E-MAIL: blieb@sciengineering.com
DATE SHIPPED:
SAMPLER (PLEASE PRINT): Kieran Kleinhenz
SAMPLER'S SIGNATURE: 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

(3) ANALYSIS REQUESTED

(4) (FOR LAB USE ONLY)
LOGIN #: AC01121
LOGGED BY:
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	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	DW Pb	Turb Check	REMARKS
KES-13 RZ	11/27/24	1703	X		DW	1	6	X	X	
KES-19 RZ	↓	1659	X		↓	↓	↓	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	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
Kieran Kleinhenz	12/2/24		[illegible]	12/3/24	1050
[illegible]	12-3-24	1650	[illegible]		
			Camden Bennett	12-3-24	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

Pace

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) Yes No	
Samples received within temperature compliance Was Project Manager contacted if samples were received out of temperature compliance	Yes No (N/A) Yes No	
Chain of Custody Present Current PACE CoC Submitted	(Yes) No (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 Country of Origin State of Origin	Yes (N/A) Yes No	
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 Container Labels are Legible	(Yes) No (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 CRB	(Yes) No	NE-9R2 → 9R3
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 If present, are they Listed on CoC	Yes No (N/A) Yes No	
All (Non-Field) Analysis Received Within Hold Times	Yes No	
Short Hold Time Analysis Requested (48 Hours or Less)	Yes No	
Case Narrative Needed	Yes No	

Client Notification/Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ **Date/Time:** _____

Comments/Resolution: _____

_____

_____

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

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

April 01, 2026

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

RE: 2018-0351.2A T200-Kellison Elementary

Dear Glenn Grissom:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **3/25/26 1:37 pm** and logged in under work order **JC04715**. 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.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

Pace Analytical Services, LLC
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Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JC04715-01
Name: KES - 13R4
Matrix: Drinking Water - Grab

Sampled: 03/20/26 18:45
Received: 03/25/26 13:37

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.08	ug/L		03/31/26 09:35	1	1.00	03/31/26 13:06	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
Batch B629677 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Matrix Spike (B629677-MS1)	**Sample: JC04582-07**			Prepared & Analyzed: 03/31/26					
Lead	53.4	ug/L		50.00	0.245	106	70-130		
Matrix Spike (B629677-MS2)	**Sample: JC04412-01**			Prepared & Analyzed: 03/31/26					
Lead	52.8	ug/L		50.00	0.0840	105	70-130		
Matrix Spike (B629677-MS3)	**Sample: JC04719-01**			Prepared & Analyzed: 03/31/26					
Lead	52.0	ug/L		50.00	0.156	104	70-130		
Matrix Spike (B629677-MS4)	**Sample: JC04679-01**			Prepared & Analyzed: 03/31/26					
Lead	50.6	ug/L		50.00	0.0210	101	70-130		
Matrix Spike (B629677-MS5)	**Sample: JC05036-05**			Prepared & Analyzed: 03/31/26					
Lead	52.1	ug/L		50.00	0.794	103	70-130		
Matrix Spike (B629677-MS6)	**Sample: JC05032-04**			Prepared & Analyzed: 03/31/26					
Lead	50.2	ug/L		50.00	0.0510	100	70-130		
Matrix Spike (B629677-MS7)	**Sample: JC05027-02**			Prepared & Analyzed: 03/31/26					
Lead	50.1	ug/L		50.00	ND	100	70-130		
Matrix Spike (B629677-MS8)	**Sample: JC04493-02**			Prepared & Analyzed: 03/31/26					
Lead	51.1	ug/L		50.00	ND	102	70-130		
Matrix Spike (B629677-MS9)	**Sample: JC04712-06**			Prepared & Analyzed: 03/31/26					
Lead	50.5	ug/L		50.00	0.126	101	70-130		
Matrix Spike (B629677-MSA)	**Sample: JC04669-10**			Prepared & Analyzed: 03/31/26					
Lead	51.0	ug/L		50.00	0.0370	102	70-130		
Matrix Spike (B629677-MSB)	**Sample: JC04669-20**			Prepared & Analyzed: 03/31/26					
Lead	52.4	ug/L		50.00	0.0660	105	70-130		
Matrix Spike (B629677-MSC)	**Sample: JC05041-06**			Prepared & Analyzed: 03/31/26					
Lead	51.2	ug/L		50.00	0.383	102	70-130		
Matrix Spike (B629677-MSD)	**Sample: JC04978-08**			Prepared & Analyzed: 03/31/26					
Lead	50.7	ug/L		50.00	0.436	101	70-130		
Matrix Spike Dup (B629677-MSD1)	**Sample: JC04582-07**			Prepared & Analyzed: 03/31/26					
Lead	52.6	ug/L		50.00	0.245	105	70-130	2	20
Matrix Spike Dup (B629677-MSD2)	**Sample: JC04412-01**			Prepared & Analyzed: 03/31/26					
Lead	52.5	ug/L		50.00	0.0840	105	70-130	0.6	20
Matrix Spike Dup (B629677-MSD3)	**Sample: JC04719-01**			Prepared & Analyzed: 03/31/26					
Lead	52.6	ug/L		50.00	0.156	105	70-130	1	20
Matrix Spike Dup (B629677-MSD4)	**Sample: JC04679-01**			Prepared & Analyzed: 03/31/26					
Lead	53.9	ug/L		50.00	0.0210	108	70-130	6	20
Matrix Spike Dup (B629677-MSD5)	**Sample: JC05036-05**			Prepared & Analyzed: 03/31/26					
Lead	51.5	ug/L		50.00	0.794	101	70-130	1	20
Matrix Spike Dup (B629677-MSD6)	**Sample: JC05032-04**			Prepared & Analyzed: 03/31/26					
Lead	49.2	ug/L		50.00	0.0510	98	70-130	2	20
Matrix Spike Dup (B629677-MSD7)	**Sample: JC05027-02**			Prepared & Analyzed: 03/31/26					
Lead	51.3	ug/L		50.00	ND	103	70-130	2	20
Matrix Spike Dup (B629677-MSD8)	**Sample: JC04493-02**			Prepared & Analyzed: 03/31/26					
Lead	51.4	ug/L		50.00	ND	103	70-130	0.6	20
Matrix Spike Dup (B629677-MSD9)	**Sample: JC04712-06**			Prepared & Analyzed: 03/31/26					
Lead	52.1	ug/L		50.00	0.126	104	70-130	3	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B629677-MSDA)	**Sample: JC04669-10**			Prepared & Analyzed: 03/31/26					
Lead	51.2	ug/L		50.00	0.0370	102	70-130	0.3	20
Matrix Spike Dup (B629677-MSDB)	**Sample: JC04669-20**			Prepared & Analyzed: 03/31/26					
Lead	50.0	ug/L		50.00	0.0660	100	70-130	5	20
Matrix Spike Dup (B629677-MSDC)	**Sample: JC05041-06**			Prepared & Analyzed: 03/31/26					
Lead	51.9	ug/L		50.00	0.383	103	70-130	1	20
Matrix Spike Dup (B629677-MSDD)	**Sample: JC04978-08**			Prepared & Analyzed: 03/31/26					
Lead	49.8	ug/L		50.00	0.436	99	70-130	2	20
Matrix Spike Dup (B629677-MSDE)	**Sample: JC04978-18**			Prepared & Analyzed: 03/31/26					
Lead	52.5	ug/L		50.00	0.0770	105	70-130	2	20
Matrix Spike Dup (B629677-MSDG)	**Sample: JC04730-04**			Prepared & Analyzed: 03/31/26					
Lead	58.5	ug/L		50.00	4.52	108	70-130	4	20
Matrix Spike (B629677-MSE)	**Sample: JC04978-18**			Prepared & Analyzed: 03/31/26					
Lead	51.3	ug/L		50.00	0.0770	102	70-130		
Matrix Spike (B629677-MSF)	**Sample: JC04978-28**			Prepared & Analyzed: 03/31/26					
Lead	53.0	ug/L		50.00	1.48	103	70-130		
Matrix Spike (B629677-MSG)	**Sample: JC04730-04**			Prepared & Analyzed: 03/31/26					
Lead	56.4	ug/L		50.00	4.52	104	70-130		

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NOTES

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USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
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Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Chenise Lambert-Sykes, Project Manager

Pace® Location Requested (City/State): Pace-Hazelwood, MO 944 Anglum Rd.

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

JCO 4715

Scan QR Code for instructions

Company Name: SCI Engineering	Contact/Report To: Ethan Boyer
Street Address: 130 Point West Blvd St. Charles, MO 63301	Phone #: (314) 341-1911. o: 636-949-8200
	E-Mail: EBoyer@sciengineering.com
	Cc E-Mail:
Customer Project #: 2018-035I.2A T200	Invoice to: Ethan Boyer
Project Name: Drinking Water Lead	Invoice E-mail: EBoyer@sciengineering.com
Site Collection Info/Facility ID (as applicable): Kellison Elementary	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s):
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other	DW PWSID # or WW Permit # as applicable:
Date Results Requested: Standard Turn	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size **: 3 3

Identify Container Preservative Type***: 1 1

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Chenise Lambert-Sykes; AcctNum / Client ID:; Table #:; Profile / Template:; Prelog / Bottle Ord. ID:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	DW Lead	Turb Check	Sample Comment	Preservation non-conformance identified for sample.
KES-13R4	DW	G			3/20/2026	1845	1			X	X		

Additional Instructions from Pace®:

Collected By: Printed Name: Ethan Boyer; Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Ethan Boyer	3/23/26 1200			
Dominic Jennings	03/23/2026 13:50			Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
		Camden Bennett	3-25-26 1337	Page: of

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

ENV-FRM-CORQ-0019_v02_110123 ©

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: SCI Work Order #: JC04715 Completed by / Date: CB 3-25-26

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

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

WORK ORDER #: JCO 4715 INITIALS: GB

Drinking Water Bottle Receipt Form

SOC (Synthetic Organic Chemicals)

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

*"SOC_W_GLPHOS" & "SOC_IDPH_GROUP A" ONLY

VOC (Volatile Organic Chemicals)

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

IOC (Inorganic Chemicals)

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

*Excluded from "IOC IDPH SHORT LIST"

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

THM/HAA

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

TOC

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

Chlorite/Bromate

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

Lead/Copper

Method	Description	Bottle Type	Qty
Lead/Copper	Lead Copper	P, 1000ml LC	
School Lead	Lead	P, 250ml LC	1

PFAS

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

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(800)752-6651

July 24, 2025

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

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

Dear Glenn Grissom:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **7/10/25 4:30 pm** and logged in under work order **IG02342**. 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.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

Pace Analytical Services, LLC
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Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IG02342-01
Name: KES - 13R3
Matrix: Drinking Water - Grab

Sampled: 07/07/25 22:55
Received: 07/10/25 16:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	6.77	ug/L		07/22/25 06:52	1	1.00	07/22/25 10:49	BRS	EPA 200.8 REV 5.4

Sample: IG02342-02
Name: KES -24R
Matrix: Drinking Water - Grab

Sampled: 07/07/25 22:52
Received: 07/10/25 16:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	3.03	ug/L		07/22/25 06:52	1	1.00	07/22/25 10:50	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
Batch B538313 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B538313-BLK1)				Prepared & Analyzed: 07/22/25					
Lead	< 1.00	ug/L							
LCS (B538313-BS1)				Prepared & Analyzed: 07/22/25					
Lead	52.8	ug/L		50.00		106	85-115		
Matrix Spike (B538313-MS1)	**Sample: IG01906-05**			Prepared & Analyzed: 07/22/25					
Lead	59.9	ug/L		50.00	2.37	115	70-130		
Matrix Spike (B538313-MS2)	**Sample: IG02349-05**			Prepared & Analyzed: 07/22/25					
Lead	55.6	ug/L		50.00	0.618	110	70-130		
Matrix Spike (B538313-MS3)	**Sample: IG02355-09**			Prepared & Analyzed: 07/22/25					
Lead	52.4	ug/L		50.00	0.0260	105	70-130		
Matrix Spike (B538313-MS4)	**Sample: IG02567-02**			Prepared & Analyzed: 07/22/25					
Lead	52.8	ug/L		50.00	1.51	103	70-130		
Matrix Spike (B538313-MS5)	**Sample: IG02399-04**			Prepared & Analyzed: 07/22/25					
Lead	51.4	ug/L		50.00	0.146	103	70-130		
Matrix Spike (B538313-MS6)	**Sample: IG01970-01**			Prepared & Analyzed: 07/22/25					
Lead	50.4	ug/L		50.00	0.613	100	70-130		
Matrix Spike (B538313-MS7)	**Sample: IG02332-03**			Prepared & Analyzed: 07/22/25					
Lead	53.9	ug/L		50.00	3.03	102	70-130		
Matrix Spike (B538313-MS8)	**Sample: IG02336-01**			Prepared & Analyzed: 07/22/25					
Lead	59.9	ug/L		50.00	8.98	102	70-130		
Matrix Spike (B538313-MS9)	**Sample: IG02343-02**			Prepared & Analyzed: 07/22/25					
Lead	58.7	ug/L		50.00	6.18	105	70-130		
Matrix Spike (B538313-MSA)	**Sample: IG03532-06**			Prepared & Analyzed: 07/22/25					
Lead	49.9	ug/L		50.00	ND	100	70-130		
Matrix Spike (B538313-MSB)	**Sample: IG02229-01**			Prepared & Analyzed: 07/22/25					
Lead	53.5	ug/L		50.00	ND	107	70-130		
Matrix Spike (B538313-MSC)	**Sample: IG02443-02**			Prepared & Analyzed: 07/22/25					
Lead	55.2	ug/L		50.00	0.455	109	70-130		
Matrix Spike (B538313-MSD)	**Sample: IG03235-01**			Prepared & Analyzed: 07/22/25					
Lead	51.1	ug/L		50.00	0.538	101	70-130		
Matrix Spike Dup (B538313-MSD1)	**Sample: IG01906-05**			Prepared & Analyzed: 07/22/25					
Lead	56.9	ug/L		50.00	2.37	109	70-130	5	20
Matrix Spike Dup (B538313-MSD2)	**Sample: IG02349-05**			Prepared & Analyzed: 07/22/25					
Lead	54.0	ug/L		50.00	0.618	107	70-130	3	20
Matrix Spike Dup (B538313-MSD3)	**Sample: IG02355-09**			Prepared & Analyzed: 07/22/25					
Lead	53.3	ug/L		50.00	0.0260	107	70-130	2	20
Matrix Spike Dup (B538313-MSD4)	**Sample: IG02567-02**			Prepared & Analyzed: 07/22/25					
Lead	52.3	ug/L		50.00	1.51	102	70-130	1	20
Matrix Spike Dup (B538313-MSD5)	**Sample: IG02399-04**			Prepared & Analyzed: 07/22/25					
Lead	52.1	ug/L		50.00	0.146	104	70-130	1	20
Matrix Spike Dup (B538313-MSD6)	**Sample: IG01970-01**			Prepared & Analyzed: 07/22/25					
Lead	48.2	ug/L		50.00	0.613	95	70-130	5	20
Matrix Spike Dup (B538313-MSD7)	**Sample: IG02332-03**			Prepared & Analyzed: 07/22/25					
Lead	53.1	ug/L		50.00	3.03	100	70-130	2	20

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QC SAMPLE RESULTS

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

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B538313-MSM)	**Sample: IG02935-01**			Prepared & Analyzed: 07/22/25					
Lead	254	ug/L		50.00	204	98	70-130		

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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

Certified by: Station For Chenise Lambert-Sykes, Project Manager

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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	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2018-0351.2A Task 200	KES	
ADDRESS	**PHONE NUMBER**	**E-MAIL**	**DATE SHIPPED**
130 Point West Blvd	(314) 581-7570	blieb@sciengineering.com	
CITY STATE ZIP St. Charles, MO 63301	**SAMPLER (PLEASE PRINT)** Courtney Wortman		**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 Brian Lieb	**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
KES-13R3	7/7/25	2255	X		DW	1	6	X	X	
KES-24R	7/7/25	2252	X		DW	1	6	X	X	

4 (FOR LAB USE ONLY)
LOGIN # 1602342
LOGGED BY:
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) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE): NORMAL / RUSH
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	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	7/9/25	4:00 pm	Shaun Parsa 7/9/25		9:16
RELINQUISHED BY: (SIGNATURE)	07/09/25	1616	RECEIVED BY: (SIGNATURE)	7/10/25	1030
RELINQUISHED BY: (SIGNATURE)	7/10/25	1630	RECEIVED BY: (SIGNATURE)	71025	1630

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:

Table 1 – Lead in Drinking Water Results

Sample Number	Sample Location	Sample Description	Initial Result (ppb)	Resampling-First Draw (ppb)	Resampling-Second Draw (ppb)	Second Resampling (ppb)	Third Resampling (ppb)	Fourth Resampling (ppb)
KES-13	Kitchen	Kettle Faucet	20.0	**111**	<1.0	**7.11**	**6.77**	1.08
KES-14	Kitchen	Single Basin Sink	12.4	1.2	<1.0	NS		
KES-19	Room 36	Water Fountain	4.1	**24.9**	NS	2.83	NS	
KES-24	Room 24	Water Fountain	28.4	3.03	NS			