



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
Woerther Elementary School
314 New Ballwin Road
Ballwin, Missouri 63021
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 12, 2023, and subsequent resampling conducted on November 29, 2024. The purpose of the sampling activities was to screen for elevated levels of lead in the drinking water at potable water sources throughout the above-referenced structure.

Following the initial testing, the school district performed remediation on fixtures which previously exceeded the action level. Remedial efforts consisted of replacing the aerators from these fixtures. The remediated fixtures were then resampled, the results of which are summarized herein.

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

LIMITATIONS

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

During the course of performing the initial survey of the structure, SCI was able to sample all drinking water sources identified by the school district.

DRINKING WATER SURVEY

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

On July 12, 2023, SCI initially collected 45 drinking water samples (WES-1 through WES-45) from various water fixtures located throughout the structure and submitted them for analytical testing. During this sampling event, 2 sample locations exceeded the action level (AL) of 5.0 micrograms lead per liter of water. One fixture was removed, the other was taken out of service until remediation activities could be completed.

During SCI’s resampling event on November 29, 2024, 1 drinking water sample was collected from the remaining fixture that 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, below. Additionally, the results of SCI’s resampling efforts are included in the right-hand columns below. Results in bold from SCI’s resampling indicate a result greater than the AL. A copy of the analytical test results and chain-of-custody for all samples is enclosed.

Table 1 – Lead in Drinking Water Results

Sample Number	Sample Location	Sample Description	Initial Result (ppb)	Resample (ppb)
WES-10	Gym	Bottle Filler	10.5	1.68

CONCLUSION AND RECOMMENDATIONS

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

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

- The test results and a summary that explains such results;
- A description of any remedial steps taken;
- A description of general health effects of lead contamination and community specific resources; and

- If there is not enough water to meet the drinking water needs of the students, teachers, and staff, bottled water shall be provided.

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

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

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

Respectfully,

SCI ENGINEERING, INC.



Ethan D. Boyer
Staff Scientist



Jessica B. Keeven, CHMM
Environmental Services Manager

EDB/GBK/bmw

Enclosures
Lead Testing Results



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

August 22, 2023

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

RE: 2018-0351.2T-Woerther Elem

Dear Glenn Grissom:

Please find enclosed the analytical results for the **45** sample(s) the laboratory received on **7/19/23 3:30 pm** and logged in under work order **GG03696**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise . We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

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

**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order GG03696

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



ANALYTICAL RESULTS

Sample: GG03696-01
Name: WES - 01
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:06
Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:11	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-02
Name: WES - 02
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:08
Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:12	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-03
Name: WES - 03
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:09
Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:14	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-04
Name: WES - 04
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:10
Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:18	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-05
Name: WES - 05
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:13

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:20	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-06
Name: WES - 06
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:17

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:54	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-07
Name: WES - 07
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:17

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.93	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:56	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-08
Name: WES - 08
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:21

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:57	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-09
Name: WES - 09
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:24

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.34	ug/L		08/14/23 10:33	1	1.00	08/14/23 14:59	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-10
Name: WES - 10
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:25

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	10.5	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:00	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-11
Name: WES - 11
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:28

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.85	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:02	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-12
Name: WES - 12
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:29

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.40	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:04	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-13
Name: WES - 13
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:31

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:05	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-14
Name: WES - 14
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:32

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.19	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:13	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-15
Name: WES - 15
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:34

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:14	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-16
Name: WES - 16
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:38

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:16	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-17
Name: WES - 17
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:50

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:17	KMC	EPA 200.8 REV 5.4

Sample: GG03696-18
Name: WES - 18
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:40

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:19	KMC	EPA 200.8 REV 5.4

Sample: GG03696-19
Name: WES - 19
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:43

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:21	KMC	EPA 200.8 REV 5.4

Sample: GG03696-20
Name: WES - 20
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:44

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		08/21/23 10:31	1	1.00	08/21/23 14:44	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: GG03696-21
Name: WES - 21
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:47

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	4.21	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:22	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-22
Name: WES - 22
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:48

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:24	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-23
Name: WES - 23
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:49

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.04	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:25	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-24
Name: WES - 24
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:50

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	2.05	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:33	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-25
Name: WES - 25
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:52

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	4.20	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:35	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-26
Name: WES - 26
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:55

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	3.17	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:36	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-27
Name: WES - 27
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:58

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:38	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-28
Name: WES - 28
Matrix: Drinking Water - Grab

Sampled: 07/12/23 23:59

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.88	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:39	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-29
Name: WES - 29
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:01

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:41	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-30
Name: WES - 30
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:02

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.25	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:42	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-31
Name: WES - 31
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:03

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:44	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-32
Name: WES - 32
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:05

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.41	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:45	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-33
Name: WES - 33
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:08

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/14/23 15:50	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-34
Name: WES - 34
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:13

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:20	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-35
Name: WES - 35
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:14

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.13	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:22	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-36
Name: WES - 36
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:18

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	2.20	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:23	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-37
Name: WES - 37
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:20

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	1.68	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:25	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-38
Name: WES - 38
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:27

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	3.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:26	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-39
Name: WES - 39
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:27

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	2.78	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:28	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-40
Name: WES - 40
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:31

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	5.63	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:29	KMC	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



ANALYTICAL RESULTS

Sample: GG03696-41
Name: WES - 41
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:33

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:31	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-42
Name: WES - 42
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:34

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:33	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-43
Name: WES - 43
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:38

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:34	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------

Sample: GG03696-44
Name: WES - 44
Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:39

Received: 07/19/23 15:30

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

Total Metals - PIA

Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:42	KMC	EPA 200.8 REV 5.4
------	--------	------	--	----------------	---	------	----------------	-----	-------------------



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

ANALYTICAL RESULTS

Sample: GG03696-45

Name: WES - 45

Matrix: Drinking Water - Grab

Sampled: 07/13/23 00:42

Received: 07/19/23 15:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Lead	< 1.00	ug/L		08/14/23 10:33	1	1.00	08/16/23 09:44	KMC	EPA 200.8 REV 5.4



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B341157 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B341157-BLK1)				Prepared & Analyzed: 08/14/23					
Lead	< 1.00	ug/L							
LCS (B341157-BS1)				Prepared & Analyzed: 08/14/23					
Lead	52.8	ug/L		50.00		106	85-115		
Matrix Spike (B341157-MS1)				Sample: GG03614-22 Prepared & Analyzed: 08/14/23					
Lead	59.5	ug/L		50.00	4.96	109	70-130		
Matrix Spike (B341157-MS2)				Sample: GG03696-03 Prepared & Analyzed: 08/14/23					
Lead	57.9	ug/L		50.00	ND	116	70-130		
Matrix Spike (B341157-MS3)				Sample: GG03696-13 Prepared & Analyzed: 08/14/23					
Lead	49.5	ug/L		50.00	0.198	99	70-130		
Matrix Spike (B341157-MS4)				Sample: GG03696-23 Prepared & Analyzed: 08/14/23					
Lead	50.6	ug/L		50.00	1.04	99	70-130		
Matrix Spike (B341157-MS5)				Sample: GG03696-33 Prepared & Analyzed: 08/14/23					
Lead	53.2	ug/L		50.00	0.798	105	70-130		
Matrix Spike (B341157-MS6)				Sample: GG03542-09 Prepared & Analyzed: 08/14/23					
Lead	148	ug/L		50.00	24.4	248	70-130		
Matrix Spike (B341157-MS7)				Sample: GG03542-19 Prepared & Analyzed: 08/14/23					
Lead	127	ug/L		50.00	0.233	255	70-130		
Matrix Spike (B341157-MS8)				Sample: GG03542-29 Prepared & Analyzed: 08/14/23					
Lead	126	ug/L		50.00	1.86	248	70-130		
Matrix Spike (B341157-MS9)				Sample: GG03614-02 Prepared & Analyzed: 08/14/23					
Lead	120	ug/L		50.00	1.01	237	70-130		
Matrix Spike (B341157-MSA)				Sample: GG03614-12 Prepared & Analyzed: 08/14/23					
Lead	131	ug/L		50.00	3.00	255	70-130		
Matrix Spike (B341157-MSB)				Sample: GG03696-43 Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	49.7	ug/L		50.00	0.556	98	70-130		
Matrix Spike (B341157-MSC)				Sample: GG03710-08 Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	48.8	ug/L		50.00	ND	98	70-130		
Matrix Spike (B341157-MSD)				Sample: GG03710-18 Prepared: 08/14/23 Analyzed: 08/16/23					
Lead	49.5	ug/L		50.00	0.216	99	70-130		
Matrix Spike Dup (B341157-MSD1)				Sample: GG03614-22 Prepared & Analyzed: 08/14/23					
Lead	63.0	ug/L		50.00	4.96	116	70-130	6	20
Matrix Spike Dup (B341157-MSD2)				Sample: GG03696-03 Prepared & Analyzed: 08/14/23					
Lead	53.6	ug/L		50.00	ND	107	70-130	8	20
Matrix Spike Dup (B341157-MSD3)				Sample: GG03696-13 Prepared & Analyzed: 08/14/23					
Lead	50.3	ug/L		50.00	0.198	100	70-130	1	20
Matrix Spike Dup (B341157-MSD4)				Sample: GG03696-23 Prepared & Analyzed: 08/14/23					
Lead	50.1	ug/L		50.00	1.04	98	70-130	1	20
Matrix Spike Dup (B341157-MSD5)				Sample: GG03696-33 Prepared & Analyzed: 08/14/23					
Lead	50.3	ug/L		50.00	0.798	99	70-130	6	20
Matrix Spike Dup (B341157-MSD6)				Sample: GG03542-09 Prepared & Analyzed: 08/14/23					
Lead	153	ug/L		50.00	24.4	256	70-130	3	20
Matrix Spike Dup (B341157-MSD7)				Sample: GG03542-19 Prepared & Analyzed: 08/14/23					
Lead	118	ug/L		50.00	0.233	236	70-130	7	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B341157-MSD8)				Sample: GG03542-29		Prepared & Analyzed: 08/14/23			
Lead	122	ug/L		50.00	1.86	241	70-130	3	20
Matrix Spike Dup (B341157-MSD9)				Sample: GG03614-02		Prepared & Analyzed: 08/14/23			
Lead	117	ug/L		50.00	1.01	232	70-130	2	20
Matrix Spike Dup (B341157-MSDA)				Sample: GG03614-12		Prepared & Analyzed: 08/14/23			
Lead	120	ug/L		50.00	3.00	234	70-130	9	20
Matrix Spike Dup (B341157-MSDB)				Sample: GG03696-43		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	50.6	ug/L		50.00	0.556	100	70-130	2	20
Matrix Spike Dup (B341157-MSDC)				Sample: GG03710-08		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	48.2	ug/L		50.00	ND	96	70-130	1	20
Matrix Spike Dup (B341157-MSDD)				Sample: GG03710-18		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	52.5	ug/L		50.00	0.216	105	70-130	6	20
Matrix Spike Dup (B341157-MSDE)				Sample: GG03745-03		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	56.0	ug/L		50.00	5.07	102	70-130	3	20
Matrix Spike Dup (B341157-MSDF)				Sample: GG03722-02		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	53.2	ug/L		50.00	ND	106	70-130	8	20
Matrix Spike (B341157-MSE)				Sample: GG03745-03		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	57.6	ug/L		50.00	5.07	105	70-130		
Matrix Spike (B341157-MSF)				Sample: GG03722-02		Prepared: 08/14/23 Analyzed: 08/16/23			
Lead	49.1	ug/L		50.00	ND	98	70-130		
<u>Batch B341769 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
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		



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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-MSB)	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
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



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





CHAIN OF CUSTODY RECORD
STATE WHERE SAMPLE COLLECTED **MO**

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Woerther Elem		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY)					
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggrissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check		LOGIN #					
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID				LOGGED BY:					
CONTACT PERSON Glen Grissom										CLIENT: SCI Engineering					
										PROJECT: Drinking Water Lead					
										PROJ. MGR.: Chenise Lambert-Sykes					
										CUSTODY SEAL #:					
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED		REMARKS	
WES-01		7/12/2023		2306		X		DW		1		6		X X	
WES-02		7/12/2023		2308		X		DW		1		6		X X	
WES-03		7/12/2023		2309		X		DW		1		6		X X	
WES-04		7/12/2023		2310		X		DW		1		6		X X	
WES-05		7/12/2023		2313		X		DW		1		6		X X	
WES-06		7/12/2023		2317		X		DW		1		6		X X	
WES-07		7/12/2023		2317		X		DW		1		6		X X	
WES-08		7/12/2023		2321		X		DW		1		6		X X	
WES-08		7/12/2023		2324		X		DW		1		6		X X	
WES-10		7/12/2023		2325		X		DW		1		6		X X	
WES-11		7/12/2023		2328		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		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.											
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE															
EMAIL IF DIFFERENT FROM ABOVE:		PHONE # IF DIFFERENT FROM ABOVE:													
7 RELINQUISHED BY: (SIGNATURE) <i>Kieran Kleinhenz</i>		DATE TIME 7/17/23 8:30 AM		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME 7-19-23 1145		8 COMMENTS: (FOR LAB USE ONLY)							
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME 7/19/23 1530		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME 7-19-23 15:30		SAMPLE TEMPERATURE UPON RECEIPT						°C	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE TIME		CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N							
								DATE AND TIME TAKEN FROM SAMPLE BOTTLE							

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

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

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

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

- 4 To be completed by laboratory personnel.

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

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

Summarized Sample Acceptance Policy Requirements:

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

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

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

- 8 To be completed by laboratory personnel.

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

SERVING YOU IN THE FOLLOWING LOCATIONS

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

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

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

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

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



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

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT SCI Engineering ADDRESS 130 Point West Blvd CITY STATE ZIP St. Charles, MO 63301 CONTACT PERSON Glen Grissom		PROJECT NUMBER 2018-0351.2T PHONE NUMBER (314) 581-7570 SAMPLER (PLEASE PRINT) Kieran Kleinhenz SAMPLER'S SIGNATURE 		PROJECT LOCATION Woerther Elem E-MAIL ggrissom@sciengineering.com MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		3 ANALYSIS REQUESTED DW Pb Turb Check		4 (FOR LAB USE ONLY) LOGIN # _____ 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 COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	REMARKS	
WES-12		7/12/2023	2329	X	DW	1	6	X	X
WES-13		7/12/2023	2331	X	DW	1	6	X	X
WES-14		7/12/2023	2332	X	DW	1	6	X	X
WES-15		7/12/2023	2334	X	DW	1	6	X	X
WES-16		7/12/2023	2338	X	DW	1	6	X	X
WES-17		7/13/2023	0050	X	DW	1	6	X	X
WES-18		7/12/2023	2340	X	DW	1	6	X	X
WES-19		7/12/2023	2343	X	DW	1	6	X	X
WES-20		7/12/2023	2344	X	DW	1	6	X	X
WES-21		7/12/2023	2347	X	DW	1	6	X	X
WES-22		7/12/2023	2348	X	DW	1	6	X	X
CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER									
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:				DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____			
7 RELINQUISHED BY: (SIGNATURE) 		DATE 7/17/23 TIME 8:30 AM	RECEIVED BY: (SIGNATURE) 		DATE 7-19-23 TIME 1145	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE _____			
RELINQUISHED BY: (SIGNATURE) 		DATE 7/19/23 TIME 1530	RECEIVED BY: (SIGNATURE) 		DATE 7-19-23 TIME 15:30				
RELINQUISHED BY: (SIGNATURE) 		DATE TIME 	RECEIVED BY: (SIGNATURE) 		DATE TIME 				

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

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

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

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

4 To be completed by laboratory personnel.

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

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

Summarized Sample Acceptance Policy Requirements:

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

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

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

8 To be completed by laboratory personnel.

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

SERVING YOU IN THE FOLLOWING LOCATIONS

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

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

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

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

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

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

CHAIN OF CUSTODY RECORD

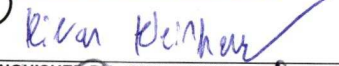
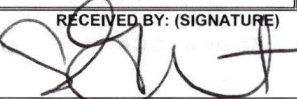
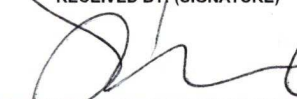
STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT SCI Engineering ADDRESS 130 Point West Blvd CITY STATE ZIP St. Charles, MO 63301 CONTACT PERSON Glen Grissom		PROJECT NUMBER 2018-0351.2T PHONE NUMBER (314) 581-7570 SAMPLER (PLEASE PRINT) Kieran Kleinhenz SAMPLER'S SIGNATURE 		PROJECT LOCATION Woerther Elem E-MAIL ggrissom@sciengineering.com MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		PURCHASE ORDER # DATE SHIPPED DW Pb Turb Check		3 ANALYSIS REQUESTED 		4 (FOR LAB USE ONLY) LOGIN # LOGGED BY: SCI Engineering CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #: 	
2 (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) SAMPLE DESCRIPTION		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	REMARKS			
WES-23		7/12/2023	2349	X	DW	1	6	X	X		
WES-24		7/12/2023	2350	X	DW	1	6	X	X		
WES-25		7/12/2023	2352	X	DW	1	6	X	X		
WES-26		7/12/2023	2355	X	DW	1	6	X	X		
WES-27		7/12/2023	2358	X	DW	1	6	X	X		
WES-28		7/12/2023	2359	X	DW	1	6	X	X		
WES-29		7/13/2023	0001	X	DW	1	6	X	X		
WES-30		7/13/2023	0002	X	DW	1	6	X	X		
WES-31		7/13/2023	0003	X	DW	1	6	X	X		
WES-32		7/13/2023	0005	X	DW	1	6	X	X		
WES-33		7/13/2023	0008	X	DW	1	6	X	X		

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

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:	DATE RESULTS NEEDED 	6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample performance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____
---	------------------------------------	---

7 RELINQUISHED BY: (SIGNATURE)  RELINQUISHED BY: (SIGNATURE)  RELINQUISHED BY: (SIGNATURE) 	DATE 7/17/23 TIME 8:30 AM DATE 7/19/23 TIME 1530 DATE TIME 	RECEIVED BY: (SIGNATURE)  RECEIVED BY: (SIGNATURE)  RECEIVED BY: (SIGNATURE) 	DATE 7-19-23 TIME 1145 DATE TIME DATE 7-19-23 TIME 1530	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 _____
--	---	---	--	--

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

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

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

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

4 To be completed by laboratory personnel.

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

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

Summarized Sample Acceptance Policy Requirements:

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

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

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

8 To be completed by laboratory personnel.

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

SERVING YOU IN THE FOLLOWING LOCATIONS

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

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

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

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

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

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

CHAIN OF CUSTODY RECORD
STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT SCI Engineering		PROJECT NUMBER 2018-0351.2T		PROJECT LOCATION Woerther Elem		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # _____ LOGGED BY: _____ CLIENT: SCI Engineering PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes CUSTODY SEAL #: _____											
ADDRESS 130 Point West Blvd		PHONE NUMBER (314) 581-7570		E-MAIL ggriissom@sciengineering.com		DATE SHIPPED		DW Pb Turb Check				REMARKS											
CITY STATE ZIP St. Charles, MO 63301		SAMPLER (PLEASE PRINT) Kieran Kleinhenz		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID		SAMPLER'S SIGNATURE <i>Kieran Kleinhenz</i>																	
CONTACT PERSON Glen Grissom		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED											
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		WES-34		7/13/2023		0013		X		DW		1		6		X		X					
		WES-35		7/13/2023		0014		X		DW		1		6		X		X					
		WES-36		7/13/2023		0018		X		DW		1		6		X		X					
		WES-37		7/13/2023		0020		X		DW		1		6		X		X					
		WES-38		7/13/2023		0027		X		DW		1		6		X		X					
		WES-39		7/13/2023		0027		X		DW		1		6		X		X					
		WES-40		7/13/2023		0031		X		DW		1		6		X		X					
		WES-41		7/13/2023		0033		X		DW		1		6		X		X					
		WES-42		7/13/2023		0034		X		DW		1		6		X		X					
		WES-43		7/13/2023		0038		X		DW		1		6		X		X					
WES-44		7/13/2023		0039		X		DW		1		6		X		X							
CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER																							
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:						DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may <u>NOT</u> be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____															
7 RELINQUISHED BY: (SIGNATURE) <i>Kieran Kleinhenz</i>		DATE 7/17/23		TIME 8:30 AM		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23		TIME 1145		8 COMMENTS: (FOR LAB USE ONLY)											
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-15-20		TIME 1-19-23		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE		TIME		SAMPLE TEMPERATURE UPON RECEIPT °C											
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE		TIME		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE 7-19-23		TIME 15:30		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 these samples.
PROJECT LOCATION: Client's location of project
PURCHASE ORDER NUMBER: Client's invoicing information
PHONE NUMBER: Client's contact phone number
E-MAIL: Client's e-mail for correspondence and final report
DATE SHIPPED: Month, date and year samples were shipped or delivered to the lab
SAMPLER: Printed name of sample collector
SAMPLER'S SIGNATURE: Signature of sample collector
REGULATORY PROGRAM: Circle regulatory program if applicable.
STATE WHERE SAMPLES COLLECTED: Enter the state if different from client address

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

- 3 **ANALYSIS REQUESTED:** Write the analysis name (or an abbreviation), the name of a group of tests, or the method number you would like us to perform. Examples are BOD, TCLP Metals, PCBs, Method 624, etc. Place a check mark in the small boxes that correspond to the sample(s) on which you want these tests performed.
REMARKS: List special instructions about the sample here. This space can also be used for listing additional analyses, or to request an extra copy of the report to be sent to an alternate person/address.

- 4 To be completed by laboratory personnel.

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

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

Summarized Sample Acceptance Policy Requirements:

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

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

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

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

SERVING YOU IN THE FOLLOWING LOCATIONS

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

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

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

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

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



CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

Page 27 of 28

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

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

- 3 **ANALYSIS REQUESTED:** Write the analysis name (or an abbreviation), the name of a group of tests, or the method number you would like us to perform. Examples are BOD, TCLP Metals, PCBs, Method 624, etc. Place a check mark in the small boxes that correspond to the sample(s) on which you want these tests performed.
REMARKS: List special instructions about the sample here. This space can also be used for listing additional analyses, or to request an extra copy of the report to be sent to an alternate person/address.

- 4 To be completed by laboratory personnel.

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

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

Summarized Sample Acceptance Policy Requirements:

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

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

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

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

SERVING YOU IN THE FOLLOWING LOCATIONS

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

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

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

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

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



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

December 11, 2024

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

RE: 2018-0351.2A T200-Woerther ES

Dear Glenn Grissom:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **12/3/24 4:50 pm** and logged in under work order **HL01052**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

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

**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order HL01052

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: HL01052-01

Name: WES-10R

Matrix: Drinking Water - Grab

Sampled: 11/29/24 18:12

Received: 12/03/24 16:50

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

Total Metals - PIA

Lead	1.68	ug/L		12/11/24 10:05	1	1.00	12/11/24 12:09	BRS	EPA 200.8 REV 5.4
------	------	------	--	----------------	---	------	----------------	-----	-------------------



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B450611 - DW 200.8 no prep - EPA 200.8 REV 5.4</u>									
Blank (B450611-BLK1)				Prepared & Analyzed: 12/11/24					
Lead	< 1.00	ug/L							
LCS (B450611-BS1)				Prepared & Analyzed: 12/11/24					
Lead	52.9	ug/L		50.00		106	85-115		
Matrix Spike (B450611-MS1)				Prepared & Analyzed: 12/11/24					
Lead	57.8	ug/L		50.00	0.341	115	70-130		
Matrix Spike (B450611-MS2)				Prepared & Analyzed: 12/11/24					
Lead	57.0	ug/L		50.00	3.02	108	70-130		
Matrix Spike (B450611-MS3)				Prepared & Analyzed: 12/11/24					
Lead	58.3	ug/L		50.00	6.95	103	70-130		
Matrix Spike (B450611-MS4)				Prepared & Analyzed: 12/11/24					
Lead	63.7	ug/L		50.00	12.0	103	70-130		
Matrix Spike (B450611-MS5)				Prepared & Analyzed: 12/11/24					
Lead	51.8	ug/L		50.00	0.753	102	70-130		
Matrix Spike (B450611-MS6)				Prepared & Analyzed: 12/11/24					
Lead	75.3	ug/L		50.00	21.6	107	70-130		
Matrix Spike (B450611-MS7)				Prepared & Analyzed: 12/11/24					
Lead	101	ug/L		50.00	45.8	111	70-130		
Matrix Spike (B450611-MS8)				Prepared & Analyzed: 12/11/24					
Lead	72.0	ug/L		50.00	18.1	108	70-130		
Matrix Spike (B450611-MS9)				Prepared & Analyzed: 12/11/24					
Lead	56.6	ug/L		50.00	3.75	106	70-130		
Matrix Spike (B450611-MSA)				Prepared & Analyzed: 12/11/24					
Lead	54.8	ug/L		50.00	1.80	106	70-130		
Matrix Spike (B450611-MSB)				Prepared & Analyzed: 12/11/24					
Lead	53.4	ug/L		50.00	2.56	102	70-130		
Matrix Spike (B450611-MSC)				Prepared & Analyzed: 12/11/24					
Lead	64.3	ug/L		50.00	8.30	112	70-130		
Matrix Spike Dup (B450611-MSD1)				Prepared & Analyzed: 12/11/24					
Lead	55.4	ug/L		50.00	0.341	110	70-130	4	20
Matrix Spike Dup (B450611-MSD2)				Prepared & Analyzed: 12/11/24					
Lead	57.0	ug/L		50.00	3.02	108	70-130	0.02	20
Matrix Spike Dup (B450611-MSD3)				Prepared & Analyzed: 12/11/24					
Lead	59.3	ug/L		50.00	6.95	105	70-130	2	20
Matrix Spike Dup (B450611-MSD4)				Prepared & Analyzed: 12/11/24					
Lead	64.4	ug/L		50.00	12.0	105	70-130	1	20
Matrix Spike Dup (B450611-MSD5)				Prepared & Analyzed: 12/11/24					
Lead	53.5	ug/L		50.00	0.753	105	70-130	3	20
Matrix Spike Dup (B450611-MSD6)				Prepared & Analyzed: 12/11/24					
Lead	75.4	ug/L		50.00	21.6	108	70-130	0.08	20
Matrix Spike Dup (B450611-MSD7)				Prepared & Analyzed: 12/11/24					
Lead	96.6	ug/L		50.00	45.8	102	70-130	5	20
Matrix Spike Dup (B450611-MSD8)				Prepared & Analyzed: 12/11/24					
Lead	70.6	ug/L		50.00	18.1	105	70-130	2	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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



NOTES

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

* Not a TNI accredited analyte

Certifications

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

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

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

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

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

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

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

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

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

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

USEPA DMR-QA Program

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

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

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

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

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

Certified by: Chenise Lambert-Sykes, Project Manager



CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

[illegible]

ENV-FRM-PEOR-0098 v02_Sample Condition Upon Receipt



Client Name: SCI Engineering

Work Order #: _____

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

Sample Intake Notes:

Custody Seal Present on Package(s)	Yes ☒ No ☐	
If yes, was seal intact	Yes ☐ No ☐	
Samples received within temperature compliance	Yes ☐ No ☒ N/A	
Was Project Manager contacted if samples were received out of temperature compliance	Yes ☐ No ☐	
Chain of Custody Present	☒ Yes ☐ No	
Current PACE CoC Submitted	☒ Yes ☐ No	
Rush Turn Around Time Requested	Yes ☐ No ☒	
CoC is Legible	☒ Yes ☐ No	
Sampler Name Present	☒ Yes ☐ No	
Sampler Signature Present	☒ Yes ☐ No	
USDA Regulated Soil	Yes ☒ No ☐ N/A	
Country of Origin	Yes ☐ No ☐	
State of Origin		
Unique Sample ID's Present on CoC (If not, Note Container ID's & Contact Project Manager)	☒ Yes ☐ No	
Container(s) Received Intact (If not, Note & Contact Project Manager)	☒ Yes ☐ No	
Containers Received Labeled	☒ Yes ☐ No	
Container Labels are Legible	☒ Yes ☐ No	
Sample Collection Date Present on CoC	☒ Yes ☐ No	
Sample Collection Time Present on CoC	☒ Yes ☐ No	
CoC Relinquished by Client	☒ Yes ☐ No	
CoC and Sample Container Labels Match <u>CRB</u>	☒ Yes ☐ No	<u>VE-9R27 9R3</u>
Appropriate Bottles	☒ Yes ☐ No	
Sufficient Sample Volume	☒ Yes ☐ No	
Zero Headspace (<6 mm or no bubbles) present in VOA vials (If headspace is present, note sample ID and # of vials)	Yes ☐ No ☒ N/A	
Trip Blank(s) Received	Yes ☐ No ☒ N/A	
If present, are they Listed on CoC	Yes ☐ No ☐	
All (Non-Field) Analysis Received Within Hold Times	Yes ☐ No ☐	
Short Hold Time Analysis Requested (48 Hours or Less)	Yes ☐ No ☐	
Case Narrative Needed	Yes ☐ No ☐	

Client Notification/Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

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