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

September 1, 2023

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

RE: Lead in Drinking Water Report
Labadie Elementary School
2749 Hwy T
Labadie, Missouri
SCI No. 2010-5012.2T

Dear Jeff Solter:

INTRODUCTION

SCI Engineering, Inc. (SCI) is pleased to submit this report summarizing lead in drinking water testing activities performed on June 12, and June 14, 2023. The purpose of the sampling activities was to screen for elevated levels of lead in the drinking water at potable water sources throughout the above-referenced structure.

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

LIMITATIONS

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

During the course of performing the sampling of the fixtures within the building, SCI was able to sample all drinking water sources identified by the school district.

DRINKING WATER SURVEY

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

SCI collected 16 drinking water samples (LES-1 through LES-16) from various water fixtures located throughout the structure and submitted them for analytical testing. The drinking water samples were analyzed for total lead by U.S. EPA Method 200.8. SCI collected a minimum of 250 milliliters of water from each location. Sampled water was containerized in laboratory-provided sample containers and shipped to the lab using standard chain-of-custody procedures. A figure depicting the locations of the sampled water fixtures is enclosed.

The drinking water samples were analyzed for lead in accordance with the GTLOSDWA, Section 160.077, which establishes an action level (AL) of 5 parts per billion (ppb). The drinking water samples which exceeded the AL are identified in Table 1, below. A copy of the analytical test results and chain-of-custody for all samples is enclosed.

Table 1 – Lead in Drinking Water Results

Sample Number	Sample Location	Sample Description	Result (ppb)
LES-1	Kitchen	Double Basin Sink	7.46
LES-2	Kitchen	South Sink	5.83
LES-3	Kitchen	North Sink	5.59
LES-8	Room 4	Sink	5.64
LES-11	Boys Bathroom	Right Sink	8.82

CONCLUSION AND RECOMMENDATIONS

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

REPORTING

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

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

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

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

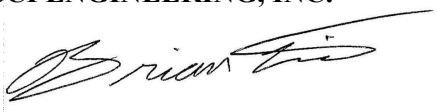
FUTURE TESTING

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

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

Respectfully,

SCI ENGINEERING, INC.



Brian L. Lieb
Project Scientist

Glen A. Grissom
Senior Specialist

BLL/GAG/rah

Enclosure
Lead Testing Results
Lead Drinking Water Sampling Plan

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

June 29, 2023

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

RE: 2010-5012.2T-Labadie

Dear Glenn Grissom:

Please find enclosed the analytical results for the **14** sample(s) the laboratory received on **6/16/23 12:00 pm** and logged in under work order **GF03123**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

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

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

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

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SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GF03123

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
NO	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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ANALYTICAL RESULTS

Sample: GF03123-01
Name: LES-1
Alias: LABADIE

Sampled: 06/12/23 16:34
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	7.46	ug/L		06/29/23 10:35	1	1.00	06/29/23 11:46	KMC	EPA 200.8 REV 5.4

Sample: GF03123-02
Name: LES-2
Alias: LABADIE

Sampled: 06/12/23 16:35
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	5.83	ug/L		06/29/23 10:35	1	1.00	06/29/23 11:48	KMC	EPA 200.8 REV 5.4

Sample: GF03123-03
Name: LES-3
Alias: LABADIE

Sampled: 06/12/23 16:37
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	5.59	ug/L		06/29/23 10:35	1	1.00	06/29/23 11:49	KMC	EPA 200.8 REV 5.4

Sample: GF03123-04
Name: LES-4
Alias: LABADIE

Sampled: 06/12/23 16:41
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/29/23 10:35	1	1.00	06/29/23 11:51	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03123-05
Name: LES-5
Alias: LABADIE

Sampled: 06/12/23 16:42
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/29/23 10:35	1	1.00	06/29/23 11:52	KMC	EPA 200.8 REV 5.4

Sample: GF03123-06
Name: LES-6
Alias: LABADIE

Sampled: 06/12/23 16:44
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/29/23 10:35	1	1.00	06/29/23 11:54	KMC	EPA 200.8 REV 5.4

Sample: GF03123-07
Name: LES-7
Alias: LABADIE

Sampled: 06/12/23 16:46
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.16	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:03	KMC	EPA 200.8 REV 5.4

Sample: GF03123-08
Name: LES-8
Alias: LABADIE

Sampled: 06/12/23 16:49
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	5.64	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:05	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03123-09
Name: LES-9
Alias: LABADIE

Sampled: 06/12/23 16:51
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:06	KMC	EPA 200.8 REV 5.4

Sample: GF03123-10
Name: LES-10
Alias: LABADIE

Sampled: 06/12/23 16:52
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:08	KMC	EPA 200.8 REV 5.4

Sample: GF03123-11
Name: LES-11
Alias: LABADIE

Sampled: 06/12/23 16:53
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	8.82	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:09	KMC	EPA 200.8 REV 5.4

Sample: GF03123-12
Name: LES-12
Alias: LABADIE

Sampled: 06/12/23 16:55
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:11	KMC	EPA 200.8 REV 5.4

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ANALYTICAL RESULTS

Sample: GF03123-13
Name: LES-13
Alias: LABADIE

Sampled: 06/12/23 16:56
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	1.98	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:13	KMC	EPA 200.8 REV 5.4

Sample: GF03123-14
Name: LES-14
Alias: LABADIE

Sampled: 06/12/23 16:57
Received: 06/16/23 12:00
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	2.96	ug/L		06/29/23 10:35	1	1.00	06/29/23 12:14	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 B337351 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B337351-BLK1)				Prepared & Analyzed: 06/29/23					
Lead	< 1.00	ug/L							
LCS (B337351-BS1)				Prepared & Analyzed: 06/29/23					
Lead	51.2	ug/L		50.00		102	85-115		
Matrix Spike (B337351-MS1)	**Sample: GF03091-06**			Prepared & Analyzed: 06/29/23					
Lead	49.1	ug/L		50.00	0.244	98	70-130		
Matrix Spike (B337351-MS2)	**Sample: GF03091-14**			Prepared & Analyzed: 06/29/23					
Lead	50.6	ug/L		50.00	0.779	100	70-130		
Matrix Spike (B337351-MS3)	**Sample: GF03091-22**			Prepared & Analyzed: 06/29/23					
Lead	53.0	ug/L		50.00	0.382	105	70-130		
Matrix Spike (B337351-MS4)	**Sample: GF03123-06**			Prepared & Analyzed: 06/29/23					
Lead	48.5	ug/L		50.00	0.396	96	70-130		
Matrix Spike (B337351-MS5)	**Sample: GF03123-14**			Prepared & Analyzed: 06/29/23					
Lead	51.3	ug/L		50.00	2.96	97	70-130		
Matrix Spike (B337351-MS6)	**Sample: GF03374-08**			Prepared & Analyzed: 06/29/23					
Lead	50.9	ug/L		50.00	0.823	100	70-130		
Matrix Spike (B337351-MS7)	**Sample: GF03374-16**			Prepared & Analyzed: 06/29/23					
Lead	53.7	ug/L		50.00	1.23	105	70-130		
Matrix Spike (B337351-MS8)	**Sample: GF03374-24**			Prepared & Analyzed: 06/29/23					
Lead	63.4	ug/L		50.00	12.7	101	70-130		
Matrix Spike (B337351-MS9)	**Sample: GF03374-32**			Prepared & Analyzed: 06/29/23					
Lead	55.0	ug/L		50.00	4.68	101	70-130		
Matrix Spike (B337351-MSA)	**Sample: GF03374-40**			Prepared & Analyzed: 06/29/23					
Lead	55.9	ug/L		50.00	5.97	100	70-130		
Matrix Spike (B337351-MSB)	**Sample: GF03374-48**			Prepared & Analyzed: 06/29/23					
Lead	60.5	ug/L		50.00	9.48	102	70-130		
Matrix Spike (B337351-MSC)	**Sample: GF03539-08**			Prepared & Analyzed: 06/29/23					
Lead	49.8	ug/L		50.00	0.597	98	70-130		
Matrix Spike (B337351-MSD)	**Sample: GF03539-16**			Prepared & Analyzed: 06/29/23					
Lead	51.4	ug/L		50.00	1.06	101	70-130		
Matrix Spike Dup (B337351-MSD1)	**Sample: GF03091-06**			Prepared & Analyzed: 06/29/23					
Lead	49.0	ug/L		50.00	0.244	98	70-130	0.05	20
Matrix Spike Dup (B337351-MSD2)	**Sample: GF03091-14**			Prepared & Analyzed: 06/29/23					
Lead	51.2	ug/L		50.00	0.779	101	70-130	1	20
Matrix Spike Dup (B337351-MSD3)	**Sample: GF03091-22**			Prepared & Analyzed: 06/29/23					
Lead	50.0	ug/L		50.00	0.382	99	70-130	6	20
Matrix Spike Dup (B337351-MSD4)	**Sample: GF03123-06**			Prepared & Analyzed: 06/29/23					
Lead	49.0	ug/L		50.00	0.396	97	70-130	1	20
Matrix Spike Dup (B337351-MSD5)	**Sample: GF03123-14**			Prepared & Analyzed: 06/29/23					
Lead	54.1	ug/L		50.00	2.96	102	70-130	5	20
Matrix Spike Dup (B337351-MSD6)	**Sample: GF03374-08**			Prepared & Analyzed: 06/29/23					
Lead	56.2	ug/L		50.00	0.823	111	70-130	10	20
Matrix Spike Dup (B337351-MSD7)	**Sample: GF03374-16**			Prepared & Analyzed: 06/29/23					
Lead	51.4	ug/L		50.00	1.23	100	70-130	4	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 (B337351-MSD8)	**Sample: GF03374-24**			Prepared & Analyzed: 06/29/23					
Lead	62.4	ug/L		50.00	12.7	99	70-130	2	20
Matrix Spike Dup (B337351-MSD9)	**Sample: GF03374-32**			Prepared & Analyzed: 06/29/23					
Lead	54.9	ug/L		50.00	4.68	100	70-130	0.2	20
Matrix Spike Dup (B337351-MSDA)	**Sample: GF03374-40**			Prepared & Analyzed: 06/29/23					
Lead	59.5	ug/L		50.00	5.97	107	70-130	6	20
Matrix Spike Dup (B337351-MSDB)	**Sample: GF03374-48**			Prepared & Analyzed: 06/29/23					
Lead	64.0	ug/L		50.00	9.48	109	70-130	6	20
Matrix Spike Dup (B337351-MSDC)	**Sample: GF03539-08**			Prepared & Analyzed: 06/29/23					
Lead	49.9	ug/L		50.00	0.597	99	70-130	0.2	20
Matrix Spike Dup (B337351-MSDD)	**Sample: GF03539-16**			Prepared & Analyzed: 06/29/23					
Lead	49.8	ug/L		50.00	1.06	97	70-130	3	20
Matrix Spike Dup (B337351-MSDE)	**Sample: GF03539-24**			Prepared & Analyzed: 06/29/23					
Lead	57.1	ug/L		50.00	5.94	102	70-130	3	20
Matrix Spike (B337351-MSE)	**Sample: GF03539-24**			Prepared & Analyzed: 06/29/23					
Lead	55.7	ug/L		50.00	5.94	99	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: Jon Robert Handshy For Amy Holmes, 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_____

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

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2010-5012.2T	Labadie	
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)** Brian Lieb	**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**		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 6F03123(1-14)
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
LES-1	6/12/23	1634	X		DW	1	6	X	X	
LES-2	6/12/23	1635	X		DW	1	6	X	X	
LES-3	6/12/23	1637	X		DW	1	6	X	X	
LES-4	6/12/23	1641	X		DW	1	6	X	X	
LES-5	6/12/23	1642	X		DW	1	6	X	X	
LES-6	6/12/23	1644	X		DW	1	6	X	X	
LES-7	6/12/23	1646	X		DW	1	6	X	X	
LES-8	6/12/23	1649	X		DW	1	6	X	X	
LES-9	6/12/23	1651	X		DW	1	6	X	X	
LES-10	6/12/23	1652	X		DW	1	6	X	X	
LES-11	6/12/23	1653	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 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	6/13/23	11:35 am			
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 °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
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REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED_____

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

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2010-2012.2T	Labadie	
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)** Brian Lieb	**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**		

3 ANALYSIS REQUESTED: DW Pb; Turb Check

4 (FOR LAB USE ONLY)
LOGIN # GF03123(1-14)
LOGGED BY: Maya Mobley
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
LES-12	6/12/23	1655	X	X	DW	1	6	X	X	
LES-13	6/12/23	1656	X	X	DW	1	6	X	X	
LES-14	6/12/23	1657	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)
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE
DATE RESULTS NEEDED
EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.*
PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____

7 RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
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 ____ °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

July 10, 2023

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

RE: 2010-5012.2T-Labadie

Dear Glenn Grissom:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **6/16/23 3:00 pm** and logged in under work order **GF03457**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

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

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

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

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SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GF03457

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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ANALYTICAL RESULTS

Sample: GF03457-01
Name: LES-15
Matrix: Drinking Water - Grab

Sampled: 06/14/23 16:31
Received: 06/16/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/07/23 11:49	1	1.00	07/07/23 17:01	KMC	EPA 200.8 REV 5.4

Sample: GF03457-02
Name: LES-16
Matrix: Drinking Water - Grab

Sampled: 06/14/23 16:33
Received: 06/16/23 15:00

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		07/07/23 11:49	1	1.00	07/07/23 17:03	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 B337963 - DW 200.8 no prep - EPA 200.8 REV 5.4									
Blank (B337963-BLK1)				Prepared & Analyzed: 07/07/23					
Lead	< 1.00	ug/L							
LCS (B337963-BS1)				Prepared & Analyzed: 07/07/23					
Lead	51.5	ug/L		50.00		103	85-115		
Matrix Spike (B337963-MS1)	**Sample: GF03914-08**			Prepared & Analyzed: 07/07/23					
Lead	45.8	ug/L		50.00		92	70-130		
Matrix Spike (B337963-MS2)	**Sample: GF03915-08**			Prepared & Analyzed: 07/07/23					
Lead	51.6	ug/L		50.00		103	70-130		
Matrix Spike (B337963-MS3)	**Sample: GF03915-16**			Prepared & Analyzed: 07/07/23					
Lead	49.1	ug/L		50.00		98	70-130		
Matrix Spike (B337963-MS4)	**Sample: GF05147-07**			Prepared & Analyzed: 07/07/23					
Lead	45.2	ug/L		50.00	0.288	90	70-130		
Matrix Spike (B337963-MS5)	**Sample: GF03461-34**			Prepared & Analyzed: 07/07/23					
Lead	51.2	ug/L		50.00	0.608	101	70-130		
Matrix Spike (B337963-MS6)	**Sample: GF03461-42**			Prepared & Analyzed: 07/07/23					
Lead	53.0	ug/L		50.00	0.814	104	70-130		
Matrix Spike (B337963-MS7)	**Sample: GF03461-50**			Prepared & Analyzed: 07/07/23					
Lead	49.4	ug/L		50.00	0.301	98	70-130		
Matrix Spike (B337963-MS8)	**Sample: GF03461-58**			Prepared & Analyzed: 07/07/23					
Lead	48.6	ug/L		50.00	ND	97	70-130		
Matrix Spike (B337963-MS9)	**Sample: GF03461-04**			Prepared & Analyzed: 07/07/23					
Lead	74.3	ug/L		50.00	22.9	103	70-130		
Matrix Spike (B337963-MSA)	**Sample: GF03461-12**			Prepared & Analyzed: 07/07/23					
Lead	51.3	ug/L		50.00	1.40	100	70-130		
Matrix Spike (B337963-MSB)	**Sample: GF03461-20**			Prepared & Analyzed: 07/07/23					
Lead	48.7	ug/L		50.00	ND	97	70-130		
Matrix Spike (B337963-MSC)	**Sample: GF03461-28**			Prepared & Analyzed: 07/07/23					
Lead	48.8	ug/L		50.00	0.477	97	70-130		
Matrix Spike (B337963-MSD)	**Sample: GF04463-06**			Prepared & Analyzed: 07/07/23					
Lead	85.4	ug/L		50.00	37.2	97	70-130		
Matrix Spike Dup (B337963-MSD1)	**Sample: GF03914-08**			Prepared & Analyzed: 07/07/23					
Lead	51.2	ug/L		50.00		102	70-130	11	20
Matrix Spike Dup (B337963-MSD2)	**Sample: GF03915-08**			Prepared & Analyzed: 07/07/23					
Lead	48.4	ug/L		50.00		97	70-130	6	20
Matrix Spike Dup (B337963-MSD3)	**Sample: GF03915-16**			Prepared & Analyzed: 07/07/23					
Lead	54.8	ug/L		50.00		110	70-130	11	20
Matrix Spike Dup (B337963-MSD4)	**Sample: GF05147-07**			Prepared & Analyzed: 07/07/23					
Lead	48.0	ug/L		50.00	0.288	95	70-130	6	20
Matrix Spike Dup (B337963-MSD5)	**Sample: GF03461-34**			Prepared & Analyzed: 07/07/23					
Lead	52.0	ug/L		50.00	0.608	103	70-130	2	20
Matrix Spike Dup (B337963-MSD6)	**Sample: GF03461-42**			Prepared & Analyzed: 07/07/23					
Lead	50.8	ug/L		50.00	0.814	100	70-130	4	20
Matrix Spike Dup (B337963-MSD7)	**Sample: GF03461-50**			Prepared & Analyzed: 07/07/23					
Lead	52.3	ug/L		50.00	0.301	104	70-130	6	20

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Peoria, IL 61615
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B337963-MSD8)	**Sample: GF03461-58**			Prepared & Analyzed: 07/07/23					
Lead	48.6	ug/L		50.00	ND	97	70-130	0.09	20
Matrix Spike Dup (B337963-MSD9)	**Sample: GF03461-04**			Prepared & Analyzed: 07/07/23					
Lead	74.3	ug/L		50.00	22.9	103	70-130	0.04	20
Matrix Spike Dup (B337963-MSDA)	**Sample: GF03461-12**			Prepared & Analyzed: 07/07/23					
Lead	51.7	ug/L		50.00	1.40	101	70-130	0.8	20
Matrix Spike Dup (B337963-MSDB)	**Sample: GF03461-20**			Prepared & Analyzed: 07/07/23					
Lead	48.6	ug/L		50.00	ND	97	70-130	0.2	20
Matrix Spike Dup (B337963-MSDC)	**Sample: GF03461-28**			Prepared & Analyzed: 07/07/23					
Lead	51.2	ug/L		50.00	0.477	101	70-130	5	20
Matrix Spike Dup (B337963-MSDD)	**Sample: GF04463-06**			Prepared & Analyzed: 07/07/23					
Lead	85.7	ug/L		50.00	37.2	97	70-130	0.3	20
Matrix Spike Dup (B337963-MSDF)	**Sample: GF03476-07**			Prepared & Analyzed: 07/07/23					
Lead	60.2	ug/L		50.00	10.4	100	70-130	4	20
Matrix Spike (B337963-MSE)	**Sample: GF04463-14**			Prepared & Analyzed: 07/07/23					
Lead	53.9	ug/L		50.00	5.81	96	70-130		
Matrix Spike (B337963-MSF)	**Sample: GF03476-07**			Prepared & Analyzed: 07/07/23					
Lead	58.0	ug/L		50.00	10.4	95	70-130		

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Peoria, IL 61615
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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: Amy Holmes, Project Manager

Pace Analytical Services
WWW.PACELABS.COM

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

1/1

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
SCI Engineering	2010-5012.2T	Labadie	
ADDRESS: 130 Point West Blvd	PHONE NUMBER: (314) 581-7570	E-MAIL: ggrissom@sciengineering.com	DATE SHIPPED
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: [signature]		

3 ANALYSIS REQUESTED: DW Pb; Turb Check

4 (FOR LAB USE ONLY)
LOGIN #: 6F03457
LOGGED BY: JPO
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
LES-15	6-14-23	16:31	X	X	DW	1	6	X	X					
LES-16	6-14-23	16:33	X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					
			X	X	DW	1	6	X	X					

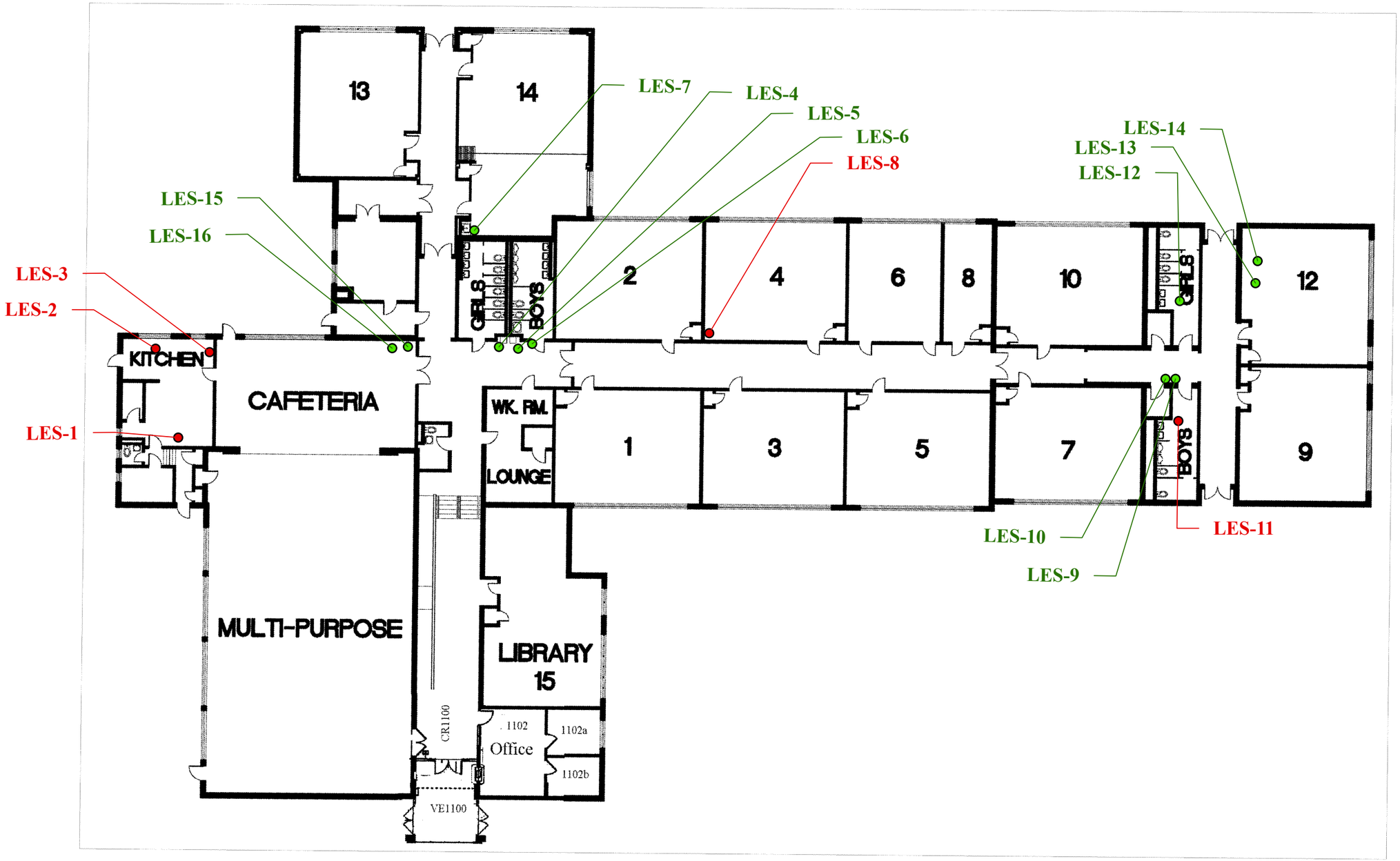
CHEMICAL PRESERVATION CODES: 1 – HCL | 2 – H2SO4 | 3 – HNO3 | 4 – NAOH | 5 – NA2S2O3 | 6 – UNPRESERVED | 7 – OTHER

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (NORMAL, circled) 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
[signature]	DATE 6/16/23 TIME 9:20	[signature]	DATE 6/16/23 TIME 1105
RELINQUISHED BY: (SIGNATURE) [signature]	DATE 6/16/23 TIME 1500	RECEIVED BY: (SIGNATURE)	DATE TIME
RELINQUISHED BY: (SIGNATURE)	DATE TIME	RECEIVED BY: (SIGNATURE) [signature]	DATE 6/16/23 TIME 1500

8 COMMENTS: (FOR LAB USE ONLY)
SAMPLE TEMPERATURE UPON RECEIPT ____ °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N
courier
DATE AND TIME TAKEN FROM SAMPLE BOTTLE



0 15 30 ft

SCALE 1"=30'

GENERAL NOTES/LEGEND

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

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

PROJECT NAME
WASHINGTON SCHOOL DISTRICT
LABADIE ELEMENTARY
LABADIE, MISSOURI

LEAD DRINKING WATER SAMPLING PLAN

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