

#### WATER SAMPLING AND REPORTING SERVICES

COLUMBIA PUBLIC SCHOOLS
CENTER FOR EARLY LEARNING – NORTH
2191 SMILEY LANE
COLUMBIA, MISSOURI

Prepared for:

COLUMBIA PUBLIC SCHOOLS
COLUMBIA, MISSOURI

Prepared by:

GEOTECHNOLOGY, LLC, DBA UES St. Louis, Missouri

Date:

**AUGUST 7, 2024** 

Project No.:

J044517.01







Environmental
Geotechnical Engineering
Materials Testing
Field Inspections & Code Compliance
Geophysical Technology

August 7, 2024

Mr. David Seamon District Project Manager Columbia Public Schools 1818 West Worley Street Columbia, Missouri 65203

Re: Water Sampling and Reporting Services

Columbia Public Schools

Center for Early Learning – North

2191 Smiley Lane Columbia, Missouri Project No. J044517.01

Dear Mr. Seamon:

In accordance with Columbia Public Schools' (CPS) Request for Proposal No. C-24043, dated October 10, 2023, Geotechnology, LLC, dba UES, is pleased to provide this drinking water sampling report for the referenced project. Our scope of services included flushing and sampling of drinking water from potable water outlets, laboratory analysis of water samples, and a letter report.

#### SITE AND PROJECT DESCRIPTION

The subject property consists of the existing Columbia Public Schools Center for Early Learning – North, located northwest of the intersection of North Oakland Gravel Road and Smiley Lane in Columbia, Missouri. The purpose of the drinking water sampling was to identify potable water outlets that may require remediation in accordance with the State of Missouri's *Get the Lead out of School Drinking Water Act* (RSMo 160.077).

#### DRINKING WATER SAMPLING

RSMo 160.077 sets standards for lead concentrations in school drinking water, stating that each Missouri school shall provide drinking water with a lead concentration level below five (5) parts per billion (ppb). This Act requires schools to conduct the inventory, sampling, remediation, and monitoring at all potable drinking water outlets used or potentially used for drinking, food preparation, and cooking or cleaning utensils.

In general conformance with the RSMo 160.077 requirements, and the Environmental Protection Agency's (EPA) 3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities manual, initial water flushing and sampling activities were conducted on January 4 and 5, 2024, by Mr. Brad Lohrum, a Missouri-licensed lead risk assessor. Mr. Lohrum was assisted by Mr. Seth Lamble, a Missouri-licensed lead inspector. Copies of training certificates and lead licenses for Messrs. Lohrum and Lamble are included in Appendix A.



An inventory of potable drinking water outlets was provided to UES by CPS. UES personnel sampled the identified outlets utilizing the EPA's "first-draw" methods. The identified outlets were flushed, then allowed to sit undisturbed for a period of 8-18 hours. Following this stagnation period, the first 250 milliliters (ml) of water expelled from the outlets were collected in laboratory-provided containers. Copies of the drinking water sampling forms, which include a list of sample locations, and the times and dates of flushing and sampling activities, are included in Appendix B. A floor plan depicting approximate sample locations is included as Figure 1.

Using standard chain-of-custody procedures, the drinking water samples were submitted to Teklab, Inc. of Collinsville, Illinois, an independent, certified Missouri Department of Natural Resources (MDNR) Drinking Water and National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory, for analysis of lead content via EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry.

#### **RESULTS**

Laboratory analyses of the submitted samples did not detect the presence of lead at or above 5 ppb.

UES will not be able to represent that the site contains no lead-bearing water outlets beyond those detected or observed by UES during flushing and sampling activities. Copies of the drinking water analytical results are included in Appendix C.

#### **RECOMMENDATIONS**

Our recommendations are summarized below:

• If additional drinking water outlets not covered by this report should be identified or put into use, further sampling and testing should be conducted.

\* \* \* \* \* \*

The following attachments are included in and complete this report:

Figure 1 - Drinking Water Sampling Locations

Appendix A - Certificates and Licenses of Environmental Professionals

Appendix B - Drinking Water Sampling Forms

Appendix C - Drinking Water Laboratory Data Sheets

Appendix D - Limitations of Report

\* \* \* \* \* \*



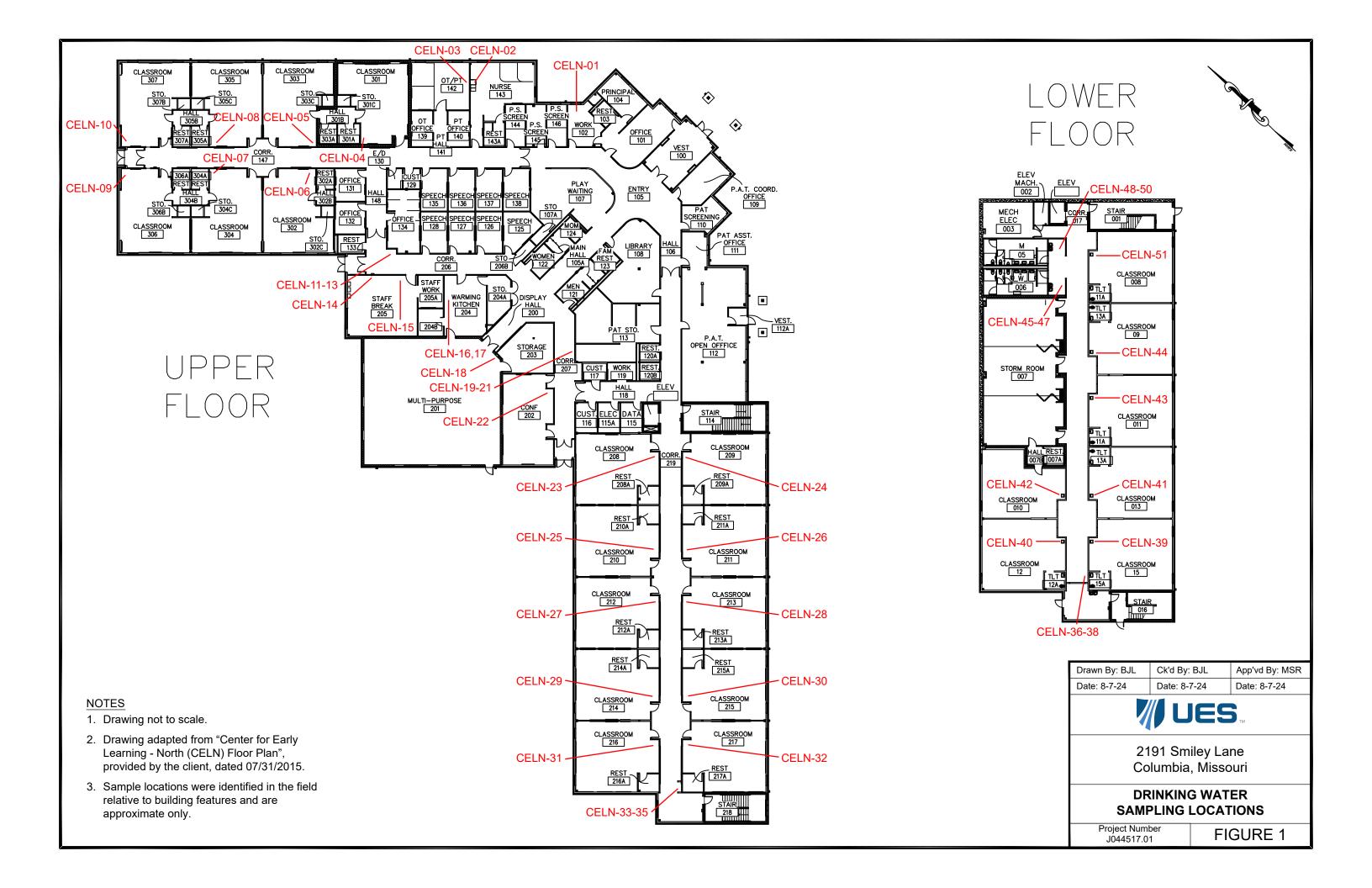
We appreciate the opportunity to provide our professional environmental consulting services to Columbia Public Schools on this project. If you have any questions or comments, please contact me at (314) 997-7440.

Very truly yours,

**UES** 

Bradley J. Lohrum Project Manager

BJL/MSR:bjl/jsj





#### **APPENDIX A**

**CERTIFICATES AND LICENSES OF ENVIRONMENTAL PROFESSIONALS** 

# PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

# **Bradley Lohrum**

817 S Sappington Road, Crestwood, MO 63126

has attended 8 contact hours of training and successfully passed an examination

#### Lead Risk Assessor Refresher

St. Louis, MO

Certificate # CEET 325 - 12/12/2022 - 189152

Examination Date: 12/12/2022

CEUs: 0.8

Christopher C. King PhD

Director, Center for Environmental Education and Training

Certificate expiration is 3 years from examination date for Illinois Dept. of Public Health

Center for Environmental Education and Training, 3545 Lafayette, St. Louis, MO 63104 (314) 977-8256 sh.edu/x39753.xml

This training course has been accredited by the Illinois Department of Public Health, and by the Missouri Department of Health & Senior Services.

# STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

# **LEAD OCCUPATION LICENSE REGISTRATION**

Issued to:

# Bradley J. Lohrum

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Risk Assessor
Category of License

Issuance Date: 1/20/2023
Expiration Date: 1/20/2025

License Number: 230120-300006460

Paula F. Nickelson
Acting Director
Department of Health and Senior Services

Davea I. Nichel

# COLLEGE FOR PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

# **Seth Lamble**

12040 Chaparral Drive, Bridgeton, Missouri 63044

contact hours of training and successfully passed an examination has attended

## **Lead Inspector Refresher**

St. Louis, MO

Certificate #

**CEET 315** 

1/4/2022

118633

**Examination Date:** 

**CEUs: 0.8** 

1/4/2022

Director, Center for Environmental **Education and Training** 

Christopher C. King PhD

Certificate expiration is 3 years from examination date for Illinois Dept. of Public Health

Center for Environmental Education and Training, 3545 Lafayette, St. Louis, MO 63104 (314) 977-8256 slu.edu/x39753.xml

This training course has been accredited by the Illinois Department of Public Health, and by the Missouri Department of Health & Senior Services.

# STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

# **LEAD OCCUPATION LICENSE REGISTRATION**

Issued to:

# Seth P. Lamble

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

## **Lead Inspector**

Category of License

Issuance Date: 4/25/2022 Expiration Date: 4/25/2024

License Number: 160425-300004897

Paula F. Nickelson Acting Director

Daves I. Nichels

Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

# STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

# **Lead Abatement Contractor License**

The person, firm or corporation whose name appears on this certificate is licensed as a Lead Abatement Contractor as set forth in the Missouri Revised Statutes 701.300-701.338 and 19 CSR 30-70.180, as long as not suspended or revoked, and is hereby authorized to engage in lead-bearing substance activities.

Issued to:

# Geotechnology, LLC

11816 Lackland Road, Suite 150 St. Louis, MO 63146

Issuance Date: 2/8/2022 Expiration Date: 2/8/2024

License Number: 060208-0095



Donald G. Kauerauf Director

Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102



#### **APPENDIX B**

**DRINKING WATER SAMPLING FORMS** 



#### DRINKING WATER SAMPLING FORM

Project Name: Columbia Public Schools Water

Sampling and Reporting Services

Building Name: Center for Early Learning - North

Project Number: J044517.01

Address: 2191 Smiley Lane

Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
CELN-01	S	Room 102	SPL - 1/4/24 - 17:54	SPL - 1/5/24 - 6:23
CELN-02	S	Room 143	SPL - 1/4/24 - 17:58	SPL - 1/5/24 - 6:25
CELN-03	S	Room 142	SPL - 1/4/24 - 17:57	SPL - 1/5/24 - 6:26
CELN-04	S	Room 301	SPL - 1/4/24 - 17:58	SPL - 1/5/24 -6:26
CELN-05	S	Room 303	SPL - 1/4/24 - 18:00	SPL - 1/5/24 - 6:28
CELN-06	S	Room 305	SPL - 1/4/24 - 18:01	SPL - 1/5/24 - 6:28
CELN-07	S	Room 304	SPL - 1/4/24 - 18:02	BJL - 1/5/24 - 6:30
CELN-08	S	Room 302	SPL - 1/4/24 - 18:03	SPL - 1/5/24 - 6:30
CELN -09	S	Room 306	SPL - 1/4/24 - 18:04	SPL - 1/5/24 - 6:32
CELN-10	S	Room 307	SPL - 1/4/24 - 18:05	SPL - 1/5/24 - 6:32
CELN-11	WF	Hallway at Room 205 - Left	SPL - 1/4/24 - 18:07	SPL - 1/5/24 - 6:34
CELN-12	BF	Hallway at Room 205 - Right	SPL - 1/4/24 - 18:07	SPL - 1/5/24 - 6:34
CELN-13	WF	Hallway at Room 205 - Right	SPL - 1/4/24 - 18:07	SPL - 1/5/24 - 6:34
CELN-14	S	Room 205	SPL - 1/4/24 - 18:08	SPL - 1/5/24 - 6:35
CELN-15	ICE	Room 205	SPL - 1/4/24 - 18:08	BJL - 1/5/24 - 6:35
CELN-16	S	Kitchen - Left	SPL - 1/4/24 - 18:11	SPL - 1/5/24 - 6:38
CELN-17	S	Kitchen - Right	SPL - 1/4/24 - 18:11	SPL - 1/5/24 - 6:38
CELN-18	WF	Room 200	SPL - 1/4/24 - 18:13	BJL - 1/5/24 - 6:39
CELN-19	WF	Corridor Room 207 - Left	SPL - 1/4/24 - 18:15	SPL - 1/5/24 - 6:41
CELN-20	BF	Corridor Room 207 - Right	SPL - 1/4/24 - 18:15	SPL - 1/5/24 - 6:41
CELN-21	WF	Corridor Room 207 - Right	SPL - 1/4/24 - 18:15	SPL - 1/5/24 - 6:41
CELN-22	S	Room 202	SPL - 1/4/24 - 18:16	SPL - 1/5/24 - 6:42
CELN-23	S	Room 208	SPL - 1/4/24 - 18:17	SPL - 1/5/24 - 6:42
CELN-24	S	Room 209	SPL - 1/4/24 - 18:17	BJL - 1/5/24 - 6:43
CELN-25	S	Room 210	SPL - 1/4/24 - 18:18	SPL - 1/5/24 - 6:44

BF=Bottle Filling
B=Bubbler

FW=Filtered Water ICE=Ice Machine

S=Classroom/Other Sink WF=Water Fountain



#### DRINKING WATER SAMPLING FORM

Project Name: Columbia Public Schools Water

Sampling and Reporting Services

Building Name: Center for Early Learning - North

Project Number: J044517.01

Address: 2191 Smiley Lane

Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
CELN-26	S	Room 211	SPL - 1/4/24 - 18:19	SPL - 1/5/24 - 6:44
CELN-27	S	Room 212	SPL - 1/4/24 - 18:20	SPL - 1/5/24 - 6:45
CELN-28	S	Room 213	SPL - 1/4/24 - 18:21	SPL - 1/5/24 - 6:46
CELN-29	S	Room 214	SPL - 1/4/24 - 18:22	SPL - 1/5/24 - 6:47
CELN-30	S	Room 215	SPL - 1/4/24 - 18:23	SPL - 1/5/24 - 6:47
CELN-31	S	Room 216	SPL - 1/4/24 - 18:24	SPL - 1/5/24 - 6:48
CELN-32	S	Room 217	SPL - 1/4/24 - 18:24	SPL - 1/5/24 - 6:48
CELN-33	WF	Hallway at Room 217 - Left	SPL - 1/4/24 - 18:25	SPL - 1/5/24 - 6:49
CELN-34	BF	Hallway at Room 217 - Right	SPL - 1/4/24 - 18:25	SPL - 1/5/24 - 6:49
CELN-35	WF	Hallway at Room 217 - Right	SPL - 1/4/24 - 18:25	SPL - 1/5/24 - 6:49
CELN-36	WF	Hallway at Room 15 - Left	SPL - 1/4/24 - 18:26	SPL - 1/5/24 - 6:51
CELN-37	BF	Hallway at Room 15 - Right	SPL - 1/4/24 - 18:26	SPL - 1/5/24 - 6:51
CELN-38	WF	Hallway at Room 15 - Right	SPL - 1/4/24 - 18:26	SPL - 1/5/24 - 6:51
CELN-39	S	Room 15	SPL - 1/4/24 - 18:27	BJL - 1/5/24 - 6:51
CELN-40	S	Room 12	SPL - 1/4/24 - 18:28	SPL - 1/5/24 - 6:52
CELN-41	S	Room 13	SPL - 1/4/24 - 18:29	SPL - 1/5/24 - 6:53
CELN-42	S	Room 10	SPL - 1/4/24 - 18:29	SPL - 1/5/24 - 6:54
CELN-43	S	Room 11	SPL - 1/4/24 - 18:30	SPL - 1/5/24 - 6:55
CELN-44	S	Room 9	SPL - 1/4/24 - 18:31	SPL - 1/5/24 - 6:55
CELN-45	WF	Corridor at Room 6 - Left	BJL - 1/4/24 - 18:33	SPL - 1/5/24 - 6:57
CELN-46	BF	Corridor at Room 6 - Right	BJL - 1/4/24 - 18:33	SPL - 1/5/24 - 6:57
CELN-47	WF	Corridor at Room 6 - Right	BJL - 1/4/24 - 18:33	SPL - 1/5/24 - 6:57
CELN-48	WF	Corridor at Room 5 - Left	SPL - 1/4/24 - 18:33	BJL - 1/5/24 - 6:57
CELN-49	BF	Corridor at Room 5 - Right	SPL - 1/4/24 - 18:33	BJL - 1/5/24 - 6:57
CELN-50	WF	Corridor at Room 5 - Right	SPL - 1/4/24 - 18:33	BJL - 1/5/24 - 6:57

BF=Bottle Filling
B=Bubbler

FW=Filtered Water ICE=Ice Machine

S=Classroom/Other Sink WF=Water Fountain



#### **DRINKING WATER SAMPLING FORM**

Project Name: Columbia Public Schools Water

Sampling and Reporting Services

Building Name: Center for Early Learning - North

Project Number: J044517.01

Address: 2191 Smiley Lane

Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
CELN-51	S	Room 8	SPL - 1/4/24 - 18:35	BJL - 1/5/24 - 6:58



#### **APPENDIX C**

**DRINKING WATER LABORATORY DATA SHEETS** 



January 26, 2024

Brad Lohrum Geotechnology, Inc. 11816 Lackland Road St. Louis, MO 63146

TEL: (314) 997-7440 FAX: (314) 997-2067

**RE:** J044517.01 **WorkOrder:** 24010447

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 1/5/2024 1:15:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Patrick Riley

Project Manager

(618)344-1004 ex 44

patrickriley@teklabinc.com

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



# **Report Contents**

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Work Order: 24010447

Client Project: J044517.01

Report Date: 26-Jan-24

#### This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	9
Chain of Custody	Appended



#### **Definitions**

http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010447

Client Project: J044517.01 Report Date: 26-Jan-24

#### Abbr Definition

- \* Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
  - DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
  - DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- NC Data is not acceptable for compliance purposes
- ND Not Detected at the Reporting Limit

#### **NELAP NELAP Accredited**

- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count ( > 200 CFU )



#### **Definitions**

http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010447

Client Project: J044517.01 Report Date: 26-Jan-24

#### **Qualifiers**

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)

- # Unknown hydrocarbon
- C RL shown is a Client Requested Quantitation Limit
- H Holding times exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level



### **Case Narrative**

http://www.teklabinc.com/

Work Order: 24010447

Report Date: 26-Jan-24

Client: Geotechnology, Inc.

Cooler Receipt Temp: NA °C

Client Project: J044517.01

#### Locations

	Collinsville		Springfield	Kansas City						
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road					
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214					
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998					
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998					
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com					
	Collinsville Air		Chicago							
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.							
	Collinsville, IL 62234-7425		Downers Grove, IL 60515							
Phone	(618) 344-1004	Phone	(630) 324-6855							
Fax	(618) 344-1005	Fax								
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com							



## **Accreditations**

#### http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010447

Client Project: J044517.01 Report Date: 26-Jan-24

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



# **Laboratory Results**

http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010447

Client Project: J044517.01 Report Date: 26-Jan-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
	00 4.1.4, 200.8 R5.4, METALS BY ICPM							
<b>Lead</b> 24010447-001	A BRE-27	NELAP	1.0	1.3	μg/L	1	01/20/2024 9:14	01/05/2024 6:02
24010447-001		NELAP	1.0	2.1	μg/L	1	01/20/2024 9:14	01/05/2024 6:03
24010447-003		NELAP	1.0	< 1.0	µg/L	1	01/20/2024 9:47	01/05/2024 6:04
24010447-004		NELAP	1.0	3.4	µg/L	1	01/20/2024 9:51	01/05/2024 6:05
24010447-005		NELAP	1.0	1.2	µg/L	1	01/20/2024 9:55	01/05/2024 6:07
24010447-006		NELAP	1.0	< 1.0	µg/L	1	01/20/2024 9:59	01/05/2024 6:08
24010447-007		NELAP	1.0	2.7	µg/L	1	01/20/2024 10:03	01/05/2024 6:08
24010447-008		NELAP	1.0	2.9	µg/L	1	01/20/2024 10:07	01/05/2024 6:09
24010447-009		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:16	01/05/2024 6:10
24010447-010		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:12	01/05/2024 6:10
24010447-011		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:41	01/05/2024 6:10
24010447-012		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:45	01/05/2024 6:10
24010447-013		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:49	01/05/2024 6:23
24010447-014	A CELN-02	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:53	01/05/2024 6:25
24010447-015	A CELN-03	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 10:57	01/05/2024 6:26
24010447-016	SA CELN-04	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 11:10	01/05/2024 6:26
24010447-017	'A CELN-05	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 11:01	01/05/2024 6:28
24010447-018	BA CELN-06	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 11:05	01/05/2024 6:28
24010447-019	A CELN-07	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 11:35	01/05/2024 6:30
24010447-020	A CELN-08	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 11:39	01/05/2024 6:30
24010447-021	A CELN-09	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 21:39	01/05/2024 6:32
24010447-022	2A CELN-10	NELAP	1.0	< 1.0	μg/L	5	01/19/2024 13:52	01/05/2024 6:32
24010447-023	BA CELN-11	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 21:54	01/05/2024 6:34
24010447-024	IA CELN-12	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 21:57	01/05/2024 6:34
24010447-025	SA CELN-13	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:01	01/05/2024 6:34
24010447-026	SA CELN-14	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:05	01/05/2024 6:35
24010447-027	'A CELN-15	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:08	01/05/2024 6:35
24010447-028	BA CELN-16	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:12	01/05/2024 6:38
24010447-029	A CELN-17	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:23	01/05/2024 6:38
24010447-030	A CELN-18	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:27	01/05/2024 6:39
24010447-031	A CELN-19	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:41	01/05/2024 6:41
24010447-032	2A CELN-20	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:45	01/05/2024 6:41
24010447-033	BA CELN-21	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:48	01/05/2024 6:41
24010447-034	IA CELN-22	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:52	01/05/2024 6:42
24010447-035	SA CELN-23	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 22:56	01/05/2024 6:42
24010447-036	SA CELN-24	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 23:07	01/05/2024 6:43
24010447-037	'A CELN-25	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 23:10	01/05/2024 6:44
24010447-038	BA CELN-26	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 23:14	01/05/2024 6:44
24010447-039	A CELN-27	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 23:29	01/05/2024 6:45
24010447-040	A CELN-28	NELAP	1.0	< 1.0	μg/L	1	01/24/2024 23:32	01/05/2024 6:46
24010447-041	A CELN-29	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 18:37	01/05/2024 6:47
24010447-042	2A CELN-30	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 18:07	01/05/2024 6:47
24010447-043		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 18:11	01/05/2024 6:48
24010447-044		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 18:16	01/05/2024 6:48
24010447-045		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 6:12	01/05/2024 6:49
24010447-046		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 6:16	01/05/2024 6:49
24010447-047		NELAP	1.0	< 1.0	μg/L	1	01/20/2024 6:20	01/05/2024 6:49
24010447-048	BA CELN-36	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 6:24	01/05/2024 6:51



# **Laboratory Results**

http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010447

Client Project: J044517.01 Report Date: 26-Jan-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed Date Collected				
EPA 600 4.1.4	1, 200.8 R5.4, META	LS BY ICPMS (TOTAL)	)								
Lead											
24010447-049	A CELN-37	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 6:28	01/05/2024 6:51			
24010447-050	A CELN-38	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:05	01/05/2024 6:51			
24010447-051	A CELN-39	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:34	01/05/2024 6:51			
24010447-052	A CELN-40	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:10	01/05/2024 6:52			
24010447-053	A CELN-41	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:14	01/05/2024 6:53			
24010447-054	A CELN-42	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:18	01/05/2024 6:54			
24010447-055	A CELN-43	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:22	01/05/2024 6:55			
24010447-056	A CELN-44	NELAP	1.0	< 1.0	μg/L	1	01/20/2024 7:26	01/05/2024 6:55			
24010447-057	A CELN-45	NELAP	1.0	< 1.0	μg/L	5	01/19/2024 14:03	01/05/2024 6:57			
24010447-058	A CELN-46	NELAP	1.0	< 1.0	μg/L	5	01/19/2024 14:07	01/05/2024 6:57			
24010447-059	A CELN-47	NELAP	1.0	< 1.0	μg/L	5	01/19/2024 14:11	01/05/2024 6:57			
24010447-060	A CELN-48	NELAP	1.0	< 1.0	μg/L	5	01/24/2024 21:35	01/05/2024 6:57			



### **Receiving Check List**

http://www.teklabinc.com/

Work Order: 24010447 Client: Geotechnology, Inc. Client Project: J044517.01 Report Date: 26-Jan-24 Carrier: Brad Lohrum Received By: NR Completed by: mbor Ollauc Reviewed by: On: On: 05-Jan-24 05-Jan-24 Amber Dilallo Ellie Hopkins Extra pages included 0 Pages to follow: Chain of custody Shipping container/cooler in good condition? **V** No \_\_ Not Present Temp °C NA Type of thermal preservation? **~** Ice \_ Blue Ice None Dry Ice Chain of custody present? **~** No L Yes Chain of custody signed when relinquished and received? **~** Yes No L **~** Chain of custody agrees with sample labels? No 🗀 Yes **~** Samples in proper container/bottle? Yes No 🗀 **V** Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No **~** No  $\square$ All samples received within holding time? Yes NA 🗸 Field Lab  $\square$ Reported field parameters measured: Yes 🗸 No  $\square$ Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are compliant with a temperature between

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

Yes 🗌

Yes

Yes 🗹

Yes

No 🗀

No 🗌

No 🗌

No  $\square$ 

No VOA vials ✓
No TOX containers ✓

NA 🗹

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - MaryKemp - 1/5/2024 3:07:39 PM

0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

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

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

Water - TOX containers have zero headspace?

Water - pH acceptable upon receipt?

# CHAIN OF CUSTODY

pg. 14 of 25 Work order # <u>34010447</u>

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

Client:	Geotechnology, LL	.c			Sa	mples	on:	ICE	BLUE ICE	NO IC	E	°c	LTG#	
Address:	11816 Lackland Re	oad			Pre	serve	d in:	∭ LAI	B 🖫 FIELD		FOR LA	B USE ON	LY	
City / State / Zi	St. Louis, MO 631	46			La	o Note	:S							
Contact: Brace	d Lohrum	Phone	(314) 997-7	440						~~				
E-Mail: bloth	rum@teamues.com	Fax:	4-4-4-		Clie	nt Co	mme	nts:						
Are these samples kno Are there any required limits in the comment s	own to be hazardous? reporting limits to be nection.	net on the requested analysis No	?. If yes, please											
Project Nan	1	Sample Coll	ector's Name	•		MATR	IX	_	<del></del>	ICATE A	NAL YSIS	REQUEST	ED	T
J04451		Brad Lah	rum		Dri		dS	ត់   ፩						
Results Re	equested	Billing Instructions	# and Type of	Containers		SIN	<u>ecia</u>	e le						
Other			H2SO4 NaOH HNO3	NaHSO4 MeOH	nking Wat Aqueous	Sludge Soil	Special Waste	DW - Lead E200.8  Groundwater						
Lab Use Only S	ample Identification	Date/Time Sampled	ES 3 + 4	14/2	ter		न	7 0.8						
240 0447 B	RE-37	1/5/24 6:10		<b>674-8</b>	X			X						
	SRE-38	6:10		×	X			X						
013 C	ELN-Ol	6.23	(		X.			<u> X</u>						
014 (	ELH-02	6:25	1		X			<u> </u>						
015	1 03	6:26	(		X.			X	<u>,                                    </u>					
016	04	6:26	1		K_			لإ						<u> </u>
ווס	05	6:28	1		X		$\perp \downarrow$	X						
018	06	6:28	1		X_			X						
019	07	6:30	!		X			X						
000 -	1 08	6:30	(		$\times$			X						
K A ()	elinquished By		Date/Time				-	Recei	ved By		. / -	Date/		
Bredly S		1/5/2	4 137	15		<u> </u>	M	<u>'hv</u>	Red		1/5	124	(3/)	<b>&gt;</b>
												····		

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

BottleOrder: 80481

CHAIN OF CUSTODY pg. 15 of 25 Work order # 24010447

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

Client:													Γ	Sai	mp	es	on:		ICE	<b>(1)</b>	LUE I	CE [	∭ NO	ICE	_		°(	3	LTG#	<i>-</i>	
Address:		11816 Lackland R	load											Pre	sei	rve	d in		LAB	₩ F	IELD			<u> </u>	OR I	_AB	USE	ONL	<u>.Y</u>		
City / State	/ Zip	St. Louis, MO 63	146	······································										Lal	b N	ote	s														
Contact:	Brad Lo	ohrum			Phone	):	(3	314)	997-	744	0																				
	blohrun	n@teamues.com			Fax:	-								`lio	nt (	^^*	nme	nt.	C.												
					a surcharge will apply \( \Pi \) Voc \( \Pi \) No									J116	1111	JU1	11111	=   IL	⇒.												
Are these samples known to be involved in litigation? If yes, a surcharge will apply  Yes  No  Yes  No																															
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. Yes No No  Project Name/Number Sample Collector's Name MATRIX INDICATE ANALYSIS REQUE																															
Project	Name/			Sar	nple Col	ec	tor	's N	lam	e			T	:	MA	TR	Χ				1	NDI	ATE	AN	ALYS	IS R	EQUI	ESTI	ED		
1044		1	1	200	1 . 1								r	_	Τ		Ī.,	Г	o l			T			T						
					1 120	/\ \ #	ond	Tvz	a of	Co	ntain	ers	<b>-</b>	rin			Spe	S.	DW -												
Result:	1-2 Day	(100% Surcharge)	Billin	g Instr	uctions		anu	, y,	JE U.				ğ	King	Soil	Sluc		Ž	Lea												
1		ıy (50% Surcharge)				ž	풀	Nac	H2S	됤	<u> </u>	일	ğ	<b>Drinking Water</b>	=	ge	Special Waste	Groundwater	d E2												
Lab Use Only	Sam	ple Identification	Date	e/Time \$	Sampled	RES	23	Ĭ	2		ntain MaHSO4	9	Ĺ	ater			ste	ter	Lead E200.8												
340 M47-121	CE	LN-09	1/5	1/24	6:32	1							X						χ			$\prod$									
022	CE	LN-10	,	7	6:32	(							X						X						İ						
023	,	! [			6:34	١				T	7		X			Π			χ												
024		(7			1	1			_		十		×	十			Г		X											$\Box$	
092		13	1 1			1				†	┪	十	$\hat{x}$	1	T		T		X		_	1		T						$\dashv$	
026		14	1	1	9:35	1			1	T	1	十	$\int_{\lambda}$			1	T		X				十			†					
		(5	1		6:35	Ť				$\top$	$\dashv$	$\dagger$	Ŕ		-	╁	T		ĺχ	-		╅		+-							
027		7 4	+		_	1		Н	$\dashv$	+	+	+	轅	+	+	$\vdash$	十	_	$ \hat{\mathbf{x}} $		$\dashv$	+	+	+	<del> </del>	$\vdash$				$\dashv$	
05.8		16	-		6:38	<u>,</u>	$\vdash$	Н		+	╅	-	₩	-	╁	$\vdash$	╫					+	╫	╫		╂	$\vdash$		<del></del>		
099	<u> </u>	[1]	4		6:38	1	_		_		_	┩	K	1	-	╀	╀		X		_		_	-	-	—-		$\longrightarrow$		$\dashv$	
300		- 18			6:39	1					L_		LX				<u> </u>	<u> </u>	ΙΧΙ				Щ					4- (T)			
	Relin	quished By			11-1		Date			· <			┝		K)	·		<u> </u>	ceive	ed By		17		-	1		/_ /	te/Ti	1 }	ست ا	
Trisl	M/C				1/5/z	4	<u>.                                    </u>	_[.	<u>; : </u>	<u>ں ا</u>				•	1	11	11	4		74	11	<u>(</u>		-		لـڪـــ	127	_	1)	<u>/ S</u>	
	V												<u> </u>											_							
											_		<u> </u>																		
													1																		

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



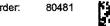


CHAIN OF CUSTODY pg. 16 of 25 Work order # 34010447

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

Client: Geotechnology, LLC Samples on: Geotechnology, LLC Samples on: BLUE ICE NO ICE	°C LTG#
Address: 11816 Lackland Road Preserved in: LAB FIELD	FOR LAB USE ONLY
City / State / Zip St. Louis, MO 63146 Lab Notes	
Contact: Brad Lohrum Phone: (314) 997-7440	
Collitact. Fhone. Finance.	
Client Comments:	
Are these samples known to be involved in litigation? If yes, a surcharge will apply  Are these samples known to be hazardous?  Yes No	
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide	
limits in the comment section.	
	ALYSIS REQUESTED
J044517.01 Frad Lahrum 9 808	
Results Requested Standard 1-2 Day (100% Surcharge)  Other 3 Day (50% Surcharge)  Pate/Time Sampled  Pate/Time Sampled  Pate/Time Sampled	
Results Requested   Standard   1-2 Day (100% Surcharge)   3 Day (50% Surcharge	
Results Requested Standard 1-2 Day (100% Surcharge)  Other 3 Day (50% Surcharge)  Billing Instructions # and Type of Containers Aqueous Studge OTHER NaHSO4 HOLD HOLD HOLD HOLD HOLD HOLD HOLD HOLD	
Lab Use Only Sample Identification Date/Time Sampled	
a104044], CELK-19 1/5/24 6:41, K	
032 CELN-20 1 1 1 X X	
033 ( 21 + (	
034 Z2 6:4Z 1 X X	
035 23 6:42 1 8 8	
036 24 6:48 1	
037 7.5 6:44 1 8	
<del>╎╸╽┈╶╸╸</del> ┪┈┈ <del>╹</del> ╸ <del>╚</del> ╸┪┈┆┈┈┈┸┈╸┪┦┉┪╴┃╸ <b>╽┈╽╴╽╶╽┈╏╴╏╶╽┈╏╸┤┈╏╸┤</b> ┈╏╸┼┈╏╸┼┈	
	<del>                                      </del>
The second of th	Date/Time
Fredley ( 15/24 13:15 Much Kely)	1/5/24 1315
1/5/14 15.15 Man Alex	119101 ,319

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



CHAIN OF CUSTODY pg. 7 of 25 Work order # 24010447

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

Client:	···	Geotechnology, L	.LC								T	Sai	mp	es	on:	<b>2</b>	ICE	BLUE ICE	■ N	O ICE			_ °¢	L	.TG# _		
Address:		11816 Lackland F	Road									Pre	sei	ve	d in	<b>:</b>	LAB	FIELD		<u>F</u>	OR L	AB U	SE O	NLY			
City / Sta		St. Louis, MO 63	146									Lat	b N	ote	s												
Contact:		l Lohrum		Phone	:	(314	997	-74/	10																		
E-Mail:	bloh	rum@teamues.com		Fax:								lie	nt (	Cor	nme	ent	s:										
Are these same	pies kno	wn to be involved in li	itigation? If y	es, a surcharge	will ap	ply		Yes	Z	_No	1																
Are these sam	ples kno	wn to be hazardous?	Yes	XNo					•		ı																
Are there any r limits in the cor	equired nment s	reporting limits to be lection.	met on the re	quested analysi	s?. If y	yes,	leas	e pr	ovide		ı																
****		ne/Number		Sample Col	ecto	r's	Nan	ne			╅		MA	TR	X			INI	CICAT	E ANA	LYS	S RE	QUES	STEI	5		
3040			12-	ad Lan							Г	U	T	<u> </u>			DW W								T		$\top$
		equested		nstructions	# ar	nd Ty	pe o	f Co	ntain	ers	<b>∤</b> ≽	Drinking Water		S	Special Waste	Groundwater	\ <u>.</u>										
Standard	1-2 [	Day (100% Surcharge)	Dining i			_	33				Aqueous	ing	Soil	lud	ial	had	Lead										
Other	_ 🛚 🖺 3	Day (50% Surcharge)			NPR 8		1250	진	Meo aHsc	OTHER	suc	Wa	r	ge	Was	wate	E200.8										
Lab Use Onl	y S	ample Identification	Date/T	ime Sampled	ES	HCL H2SO4 NaOH HNO3			¥   ¥	7		ter			िल	≅.	0.8										
910HOHH]	, (	ELN - 29	1/5/2	4 6:49	(						X						X										
04	2 T	1 30		6:47	•						X						$ \chi $										
04		31		6:48							X		T				X										
04	4	32		6:48							X	1					X										
04	5	33		6:49							X						X										<u> </u>
04	6	34		1	$\prod$						X						X										
04	וו	35		سل							K						X										
04	8	3 6		6:51													X										
040	7	37		-			П				X	T	1		T		X										
05		1 38			$\Box$	T				Γ	K				Π		X										
	Re	linquished By			Da	te/T	me									_		ed By				,	Date	:/Tim	e		
Frankl	Wal			1/5/2	4	13	:15	<u> </u>						1	ù	/	, ,	Klu	<u>//                                   </u>		1/	51	29		13	15	
T.	diame.			1																							
											_					_											

80481

BottleOrder:

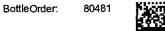


CHAIN OF CUSTODY pg. 18 of 25 Work order # 24010447

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

Client:		Geotechnology, LI	.C	<u> </u>									٦	s	am	ple	s c	n:	38	ICE		BLUE	ICE	33	NO I	CE	-			οС		LTG	#		_
Address:		11816 Lackland R	oad										-								*						OR	LAB	US	E O	NL'	<u>Y</u>			
City / State	/ <b>7</b> in	St. Louis, MO 631	46										- 1			No																			
Contact:	Brad L	ohrum	•		Phone		(	314	997	7-74	40		_																						
	blohrur	n@teamues.com			_ Fax:	•	_							Ci	ien	ıt C	Λm	me	nte	·															
Are these samples Are there any requ	known	to be involved in lit to be hazardous? corting limits to be mation.	Ye et on t	s 🔀	No						ovid		0							•															
Project	Name	Number	······································	Sa	ample Col	lec	tor	's l	Nar	ne			T		N	IAT	RD	<b>(</b>					INC	)IC/	TE	ANA	LYS	IS F	₹EQ	UE	STE	D			
J044:	517	.0\	-2	Bra	dld	٧,	<b>~J</b>	W	<b>へ</b>	•			Γ	1	٥			S	<u></u>	DW								T		T					
Results	s Rea	uested		· · · · · · · · · · · · · · · · · · ·	tructions	#	and	d Ty	pe c	of Co	ontai	ners	7	ا ج	<u>×</u>		<u>2</u>	peci	rou				ļ												
Standard	1-2 Day	(100% Surcharge) ay (50% Surcharge)				UNPR	NS H	NaOF	HZSO	뜌	MeOH	NaHS	2000	ueous	Drinking Water	Soil	Sludge	al Was	Groundwater	Lead E200.															
Lab Use Only	Sam	ple Identification	Da	ite/Time	Sampled	ES	ω	_	4		Ι.	2 2	1		配			æ	4	0.8											$\bot$				
24010447-651	CE	LN-39	1/5	5/24	6:51								Ľ	$\Delta$ L						X									$\perp$				<u> </u>		
( 052		40	Ľ	,	6:52			_	L			1	1	X	_		$\Box$			X		_					<u> </u>		$\perp$	_	_		<u> </u>		
053		41			6:53								,	$X_{\perp}$						X							<u>L</u>								
054		42			6:54								d							X												]			
055		43			b 55								)	X						X													Ĺ		
056		44			6:55								)	K						X								L.			$\perp$				
057		45			6:57								,	K						X															
058		46			1									X						X									$\perp$						
059		<u> </u>				Π		Π						X						又															
2040		- US	_	1-		П				П		T	7	RT			7			X								T	T						
	Relir	nquished By					Date	e/Ti	me				ľ						Re	ceive	d By		- 4			I				Date	_				
Budle	d/q				15/3		<b>.</b>		<u>3</u> :	:,5	<u> </u>		-			<u></u>	<u>_</u>				<u>K</u>	<u></u>	<u>{</u>					<u>/5</u> —		24			31.	<u> </u>	
													+													+						*****			

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





January 29, 2024

Brad Lohrum Geotechnology, Inc. 11816 Lackland Road St. Louis, MO 63146

TEL: (314) 997-7440 FAX: (314) 997-2067

**RE:** J044517.01 **WorkOrder:** 24010448

Dear Brad Lohrum:

TEKLAB, INC received 61 samples on 1/5/2024 1:15:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Patrick Riley

Project Manager

(618)344-1004 ex 44

patrickriley@teklabinc.com

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



# **Report Contents**

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Work Order: 24010448

Client Project: J044517.01

Report Date: 29-Jan-24

#### This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	9
Chain of Custody	Appended



#### **Definitions**

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Work Order: 24010448

Client Project: J044517.01 Report Date: 29-Jan-24

#### Abbr Definition

- \* Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
  - DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
  - DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- NC Data is not acceptable for compliance purposes
- ND Not Detected at the Reporting Limit

#### **NELAP NELAP Accredited**

- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count ( > 200 CFU )



#### **Definitions**

http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010448

Client Project: J044517.01 Report Date: 29-Jan-24

#### **Qualifiers**

- # Unknown hydrocarbon
- C RL shown is a Client Requested Quantitation Limit
- H Holding times exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



### **Case Narrative**

http://www.teklabinc.com/

Work Order: 24010448

Report Date: 29-Jan-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Cooler Receipt Temp: N/A °C

#### Locations

	Collinsville		Springfield	Kansas City						
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road					
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214					
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998					
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998					
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com					
	Collinsville Air		Chicago							
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.							
	Collinsville, IL 62234-7425		Downers Grove, IL 60515							
Phone	(618) 344-1004	Phone	(630) 324-6855							
Fax	(618) 344-1005	Fax								
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com							



## **Accreditations**

#### http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010448

Client Project: J044517.01 Report Date: 29-Jan-24

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



# **Laboratory Results**

http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010448

Client Project: J044517.01 Report Date: 29-Jan-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4 Lead	4, 200.8 R5.4, MET	ALS BY ICPMS (TOTAL)						
24010448-001	A CELN-49	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 12:09	01/05/2024 6:57
24010448-002	A CELN-50	NELAP	1.0	< 1.0	μg/L	5	01/26/2024 10:20	01/05/2024 6:57
24010448-003	BA CELN-51	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 12:13	01/05/2024 6:58
24010448-004	A DRE-01	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 13:31	01/05/2024 7:12
24010448-005	A DRE-02	NELAP	1.0	2.0	µg/L	1	01/25/2024 12:17	01/05/2024 7:12
24010448-006	A DRE-03	NELAP	1.0	1.3	µg/L	1	01/25/2024 12:21	01/05/2024 7:12
24010448-007	A DRE-04	NELAP	1.0	4.9	µg/L	1	01/25/2024 12:25	01/05/2024 7:12
24010448-008	BA DRE-05	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 13:02	01/05/2024 7:12
24010448-009	A DRE-06	NELAP	1.0	4.3	µg/L	1	01/25/2024 13:06	01/05/2024 7:13
24010448-010	A DRE-07	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 13:10	01/05/2024 7:13
24010448-011	A DRE-08	NELAP	1.0	2.2	µg/L	1	01/25/2024 14:24	01/05/2024 7:16
24010448-012	A DRE-09	NELAP	1.0	5.5	µg/L	1	01/25/2024 13:14	01/05/2024 7:16
24010448-013	BA DRE-10	NELAP	1.0	2.9	µg/L	1	01/25/2024 13:18	01/05/2024 7:16
24010448-014	A DRE-11	NELAP	1.0	15.8	µg/L	1	01/25/2024 13:22	01/05/2024 7:19
24010448-015	A DRE-12	NELAP	1.0	2.8	μg/L	1	01/25/2024 13:26	01/05/2024 7:20
24010448-016	A DRE-13	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 13:55	01/05/2024 7:20
24010448-017	A DRE-14	NELAP	1.0	10.9	μg/L	1	01/25/2024 13:59	01/05/2024 7:17
24010448-018	BA DRE-15	NELAP	1.0	2.1	μg/L	1	01/25/2024 14:03	01/05/2024 7:17
24010448-019	A DRE-16	NELAP	1.0	5.5	μg/L	1	01/25/2024 14:08	01/05/2024 7:22
24010448-020	A DRE-17	NELAP	1.0	4.3	μg/L	1	01/25/2024 14:12	01/05/2024 7:22
24010448-021	A DRE-18	NELAP	1.0	5.7	μg/L	1	01/25/2024 14:16	01/05/2024 7:22
24010448-022	A DRE-19	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 15:17	01/05/2024 7:23
24010448-023	BA DRE-20	NELAP	1.0	3.8	µg/L	1	01/25/2024 14:20	01/05/2024 7:23
24010448-024	A DRE-21	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 14:49	01/05/2024 7:24
24010448-025	A DRE-22	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 14:53	01/05/2024 7:24
24010448-026	A DRE-23	NELAP	1.0	1.7	µg/L	1	01/25/2024 14:57	01/05/2024 7:25
24010448-027	'A DRE-24	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 15:01	01/05/2024 7:25
24010448-028	BA DRE-25	NELAP	1.0	2.3	μg/L	1	01/25/2024 15:05	01/05/2024 7:26
24010448-029	A DRE-26	NELAP	1.0	1.6	μg/L	1	01/25/2024 15:09	01/05/2024 7:26
24010448-030	A DRE-27	NELAP	1.0	3.1	µg/L	1	01/25/2024 15:13	01/05/2024 7:28
24010448-031	A DRE-28	NELAP	1.0	1.4	µg/L	1	01/25/2024 15:42	01/05/2024 7:28
24010448-032	A DRE-29	NELAP	1.0	7.0	μg/L	1	01/25/2024 15:46	01/05/2024 7:30
24010448-033	BA DRE-30	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 15:50	01/05/2024 7:30
24010448-034	A DRE-31	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 15:54	01/05/2024 7:32
24010448-035	A DRE-33	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 15:58	01/05/2024 7:36
24010448-036	A DRE-34	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 17:04	01/05/2024 7:36
24010448-037		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:02	01/05/2024 7:37
24010448-038	BA DRE-36	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:07	01/05/2024 7:37
24010448-039	A DRE-37	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:11	01/05/2024 7:38
24010448-040	A DRE-38	NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:15	01/05/2024 7:39
24010448-041		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:19	01/05/2024 7:40
24010448-042		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:35	01/05/2024 7:41
24010448-043		NELAP	1.0	1.2	μg/L	1	01/25/2024 17:57	01/05/2024 7:43
24010448-044		NELAP	1.0	1.9	μg/L	1	01/25/2024 16:39	01/05/2024 7:43
24010448-045		NELAP	1.0	1.1	μg/L	1	01/25/2024 16:44	01/05/2024 7:45
24010448-046		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:48	01/05/2024 7:46
24010448-047		NELAP	1.0	< 1.0	µg/L	1	01/25/2024 16:52	01/05/2024 7:48
24010448-048		NELAP	1.0	< 1.0	μg/L	1	01/25/2024 16:56	01/05/2024 7:48



# **Laboratory Results**

#### http://www.teklabinc.com/

Client: Geotechnology, Inc. Work Order: 24010448

Client Project: J044517.01 Report Date: 29-Jan-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4 Lead	I, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
24010448-049	A DRE-47	NELAP	1.0	12.5	μg/L	5	01/26/2024 10:31	01/05/2024 7:49
24010448-050	A DRE-48	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:00	01/05/2024 7:49
24010448-051	A DRE-49	NELAP	1.0	3.5	µg/L	1	01/25/2024 17:29	01/05/2024 7:50
24010448-052	A DRE-50	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 18:51	01/05/2024 7:50
24010448-053	A DRE-51	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:33	01/05/2024 7:52
24010448-054	A DRE-52	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:37	01/05/2024 7:55
24010448-055	A DRE-53	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:41	01/05/2024 7:55
24010448-056	A DRE-54	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:45	01/05/2024 7:55
24010448-057	A DRE-55	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:49	01/05/2024 7:56
24010448-058	A DRE-56	NELAP	1.0	1.2	µg/L	1	01/25/2024 19:53	01/05/2024 7:56
24010448-059	A DRE-57	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 17:53	01/05/2024 7:57
24010448-060	A DRE-58	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 18:22	01/05/2024 7:58
24010448-061	A DRE-59	NELAP	1.0	< 1.0	µg/L	1	01/25/2024 18:26	01/05/2024 7:58



Water - pH acceptable upon receipt?

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

### **Receiving Check List**

http://www.teklabinc.com/

Work Order: 24010448 Client: Geotechnology, Inc. Client Project: J044517.01 Report Date: 29-Jan-24 Carrier: Employee Received By: NGR Completed by: Ontoer Oblacce Reviewed by: On: On: 05-Jan-24 05-Jan-24 Amber Dilallo Ellie Hopkins Extra pages included 0 Pages to follow: Chain of custody Shipping container/cooler in good condition? **V** No \_\_ Not Present Temp °C N/A Type of thermal preservation? **~** Ice \_ Blue Ice None Dry Ice Chain of custody present? **~** No L Yes Chain of custody signed when relinquished and received? **~** Yes No L **V** Chain of custody agrees with sample labels? No 🗀 Yes **~** Samples in proper container/bottle? Yes No 🗀 **V** Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No **~** No  $\square$ All samples received within holding time? Yes NA 🗸 Field Lab 🗌 Reported field parameters measured: Yes 🗸 No  $\square$ Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected. Water - at least one vial per sample has zero headspace? Yes 🗌 No 🗀 No VOA vials 🗸 No TOX containers Water - TOX containers have zero headspace? Yes No 🗌

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 1/5/2024 3:10:50 PM

Yes 🗹

Yes

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

No 🗌

No  $\square$ 

NA 🗹

CHAIN OF CUSTODY pg. | 9 of 25 Work order # <u>240/0448</u>

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

Client:	G	Geotechnology, L	LC										T	Sa	mp	les	on:		ICE	<b>®</b> B	LUE IC	E 🕽	NO	ICE	7	AL	_ °(	C	LTG	#	
Address:	1	1816 Lackland F	Road										- 5							<b>₩</b> F		·			OR L	AB	USE	ONL	<u>.Y</u>		
City / State	/Zip S	t. Louis, MO 63	146											Lal	b N	ote	s														
Contact:	Brad Lohi	rum			Phone	):	(3	314)	997-	744	10																				
E-Mail:	blohrum@	teamues.com			Fax:		_						ا .	Clie	nt	Cor	nm	ent	s:												
Are these sample	s known to	be involved in li	tigation?	If ves, a s	urcharge	will	appi	٧		/es		No																			
Are these sample	s known to	be hazardous?	Yes	☐ No	)								ı																		
Are there any req	uired repor	ting limits to be r	met on th	e request	ed analysi	is?.	If ye	s, p	lease	pro	ovide		ı																		
	Name/N		_ ,,,,	San	ple Col	lec	tor	's N	lam	e			╀		MA	TR	ΙX		Г		11	ADIC	ATE	ANA	LYS	IS R	EQU	ESTI	ED		
2044			12		٠.					_			-	_		1	Т	T_	DW			Т	T		Τ	T	Ī				
	s Reque				<u>Lohv</u>	#	v∨ ` and	Tv	oe of	Со	ntain	ers	۱۶	)rin			Spec	Gro	<b>N</b> -												
Standard	] 1-2 Day (10	00% Surcharge)	Billin	g instru	ıctions		Г					-	Aqueous	ing	Soil	lud	iai	und	Lead												
Other	3 Day (	(50% Surcharge)				UNPRES	HN03	NaOI	1250	전	MeOH NamsO4	SHEE	Sno	Drinking Water	-	ge	Special Waste	Groundwater	E200.8												
Lab Use Only	Sampl	e Identification	Dat	e/Time S	ampled	Z	ω	_	4		ΞĻ	?		ter			र्क	4	0.8												
240/01/48/	CEL	N-49	1/6	124	0:51	١							X	$\mathbb{I}$					X												
ω <sub>L</sub>	1	50	ĺ		6:57								Х						X												
03	1	- 51			6:58	П				T			Χ						X												
77.4	DR	E-01		,	7:12								X					100000000000000000000000000000000000000	Χ						100000000000000000000000000000000000000						
005	17R	F-02				П							X						X												
0010		03											X						X						***************************************						
Ocn		04											X						X						V-000000000000000000000000000000000000						
008		05		-			Г						V						X												
509		0 b			1:13	T							X						X												
		- 07			7:12								ΪX		T				X												
	Reling	uished By				Ţ	Date	/Ti	me				Ĺ						ceiv	ed By	. ,						Di	ate/Ti	me		
Bren	Jen o	l~~_			1/5/2	14	- 1	3	: [	5	,					72	ù	4		Kl	A				1	/5	<u> 12</u>	4		315	<u> </u>
,					i i													-		-											
	<b></b>																														

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

BottleOrder:

80481





### **APPENDIX D**

**LIMITATIONS OF REPORT** 

# ENVIRONMENTAL SAMPLING LIMITATIONS OF REPORT

- The Report has been prepared on behalf of and for the exclusive use of the addressee, solely for use in documenting specific sample results. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of UES.
- 2. The sampling was performed in accordance with generally accepted practices of other consultants undertaking similar projects at the same time and in the same geographical area, and UES endeavored to observe that degree of care and skill ordinarily exercised by other consultants under similar circumstances and conditions. The findings and conclusions stated herein must be considered not as scientific certainties, but rather as professional opinions concerning the significance of the limited data gathered during the course of the project. UES does not and cannot represent that the site contains no hazardous waste or material, or other latent condition beyond that observed by UES.
- 3. In the event that information is developed relative to environmental or hazardous waste or material issues at the site and not contained in this report, such information shall be brought to UES' attention. UES will evaluate such information and, based on this evaluation, may modify the conclusions stated in this Report.
- 4. The conclusions and recommendations contained in this Report are based in part upon the data obtained from a limited number of water samples. The identified presence of contaminated water is limited to the extent that they could be identified by instrumentation and sampling and testing. There is a potential for contaminated water above the indicated concentrations to occur elsewhere on the site. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, and/or if changes are made in regulations, it will be necessary to reevaluate the conclusions and recommendations of this report.
- 5. If quantitative laboratory testing was performed as part of the assessment by an outside laboratory, UES has relied upon the data provided, and has not conducted an independent evaluation of the reliability to these data.
- 6. Chemical analyses have been performed for specific parameters during the course of this sampling as described in the text. Do not assume that a given analyte is not present at the site simply because it was not present at the test locations. The analyte may exist on the site where tests were not performed. In addition, it should be noted that additional chemical constituents not tested for during the sampling could be present in water at the site.