WATER SAMPLING AND REPORTING SERVICES

COLUMBIA PUBLIC SCHOOLS
ROCK BRIDGE ELEMENTARY SCHOOL
5151 SOUTH HIGHWAY 163
COLUMBIA, MISSOURI

Prepared for:

COLUMBIA PUBLIC SCHOOLS
COLUMBIA, MISSOURI

Prepared by:

GEOTECHNOLOGY, LLC, DBA UES
ST. LOUIS, MISSOURI

Date:

SEPTEMBER 18, 2024

Project No.:

J044517.01

SAFETY
TEAMWORK
RESPONSIVENESS
INTEGRITY
VALUE
EXCELLENCE

September 18, 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
Rock Bridge Elementary School
5151 South Highway 163
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 Rock Bridge Elementary School, located southeast of the intersection of Highway K and South Highway 163 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 30 and 31, 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. A copy of the drinking water sampling forms, which include a list of sample locations, and the times and dates of flushing and sampling activities, is 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 detected the presence of lead at or above 5 ppb in the following samples.

TABLE 1
DRINKING WATER OUTLETS AT OR ABOVE 5 PARTS PER BILLION

Sample Number / Location and Fixture Type	Results
RKB-18 / Room 220 Sink	26.6 ppb
RKB-26 / Room 215 Sink	22.4 ppb
RKB-27 / Room 214 Sink	49.4 ppb
RKB-28 / Room 212 Sink	43 ppb
RKB-29 / Room 211 Sink	13.4 ppb
RKB-30 / Room 207 Sink	17.2 ppb
RKB-31 / Room 210 Sink	15.4 ppb
RKB-32 / Room 209 Sink	5.9 ppb
RKB-33 / Room 132 Sink	7.5 ppb
RKB-35 / Room 133 Sink	5.8 ppb
RKB-45 / Room 137 Bubbler	5.9 ppb
RKB-61 / Room 116 Center Sink	8.8 ppb
RKB-62 / Room 116 Right Sink	17.2 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:

- It is our understanding that the outlets identified in Table 1 have either been removed, marked as non-potable, or have otherwise been taken out of service. Should these fixtures be put back into service following remediation activities, or if replacement fixtures are to be put into service, further sampling and testing should be conducted.

* * * * * *

The following attachments are included in and complete this report:

Figure 1	-	Drinking Water Sample 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

* * * * * *

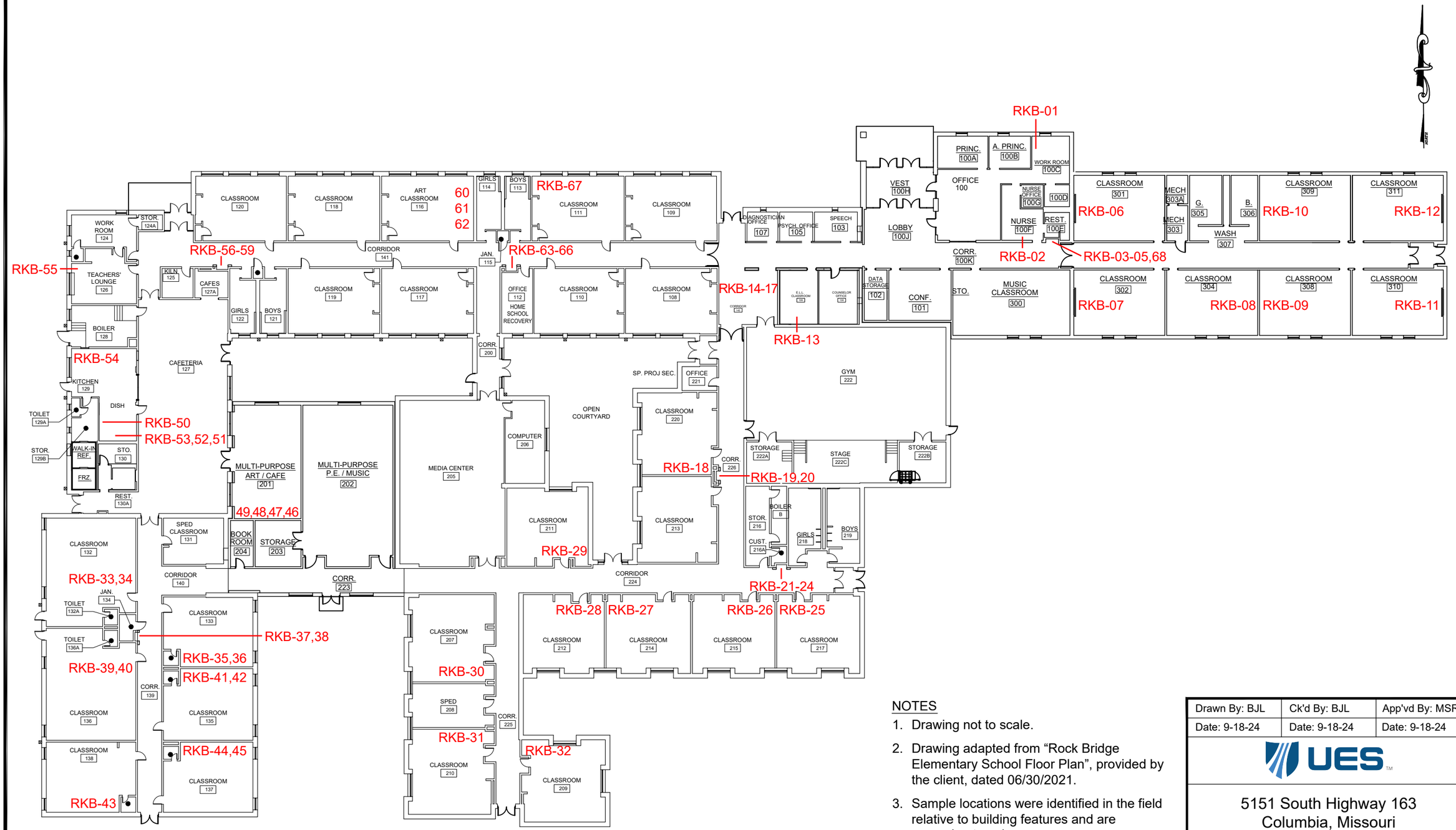
We appreciate the opportunity to provide our professional environmental consulting services to Columbia Public Schools on this project. If you have any questions or comments, please contact me at (314) 997-7440.

Very truly yours,

UES

Bradley J. Lohrum
Project Manager

BJL/MSR:bjl/jsj



NOTES

1. Drawing not to scale.
2. Drawing adapted from “Rock Bridge Elementary School Floor Plan”, provided by the client, dated 06/30/2021.
3. Sample locations were identified in the field relative to building features and are approximate only.

Drawn By: BJL	Ck'd By: BJL	App'vd By: MSR
Date: 9-18-24	Date: 9-18-24	Date: 9-18-24

UES™

5151 South Highway 163
Columbia, Missouri

DRINKING WATER SAMPLE LOCATIONS

Project Number J044517.01	FIGURE 1

APPENDIX A

CERTIFICATES AND LICENSES OF ENVIRONMENTAL PROFESSIONALS

COLLEGE FOR

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 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:

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

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

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

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

Lead Inspector Refresher

St. Louis, MO

Certificate # CEET 315 - 1/4/2022 - **118633**
Examination Date: 1/4/2022
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 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
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: Rock Bridge Elementary
Project Number: J044517.01
Address: 5151 South Highway 163 Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
RKB-01	S	Room 100C	SPL - 1/30/24 - 21:37	SPL - 1/31/24 - 5:37
RKB-02	S	Room 100F	SPL - 1/30/24 - 21:37	SPL - 1/31/24 - 5:37
RKB-03	BF	Hallway at Room 100F	SPL - 1/30/24 - 21:39	SPL - 1/31/24 - 5:40
RKB-04	WF	Hallway at Room 100F - Left	SPL - 1/30/24 - 21:39	SPL - 1/31/24 - 5:40
RKB-05	WF	Hallway at Room 100F - Right	SPL - 1/30/24 - 21:39	SPL - 1/31/24 - 5:40
RKB-06	S	Room 301	SPL - 1/30/24 - 21:41	SPL - 1/31/24 - 5:43
RKB-07	S	Room 302	SPL - 1/30/24 - 21/42	SPL - 1/31/24 - 5:43
RKB-08	S	Room 304	SPL - 1/30/24 - 21:43	SPL - 1/31/24 - 5:44
RKB-09	S	Room 308	SPL - 1/30/24 - 21:44	SPL - 1/31/24 - 5:45
RKB-10	S	Room 309	SPL - 1/30/24 - 21:45	SPL - 1/31/24 - 5:45
RKB-11	S	Room 310	SPL - 1/30/24 - 21:46	SPL - 1/31/24 - 5:46
RKB-12	S	Room 311	SPL - 1/30/24 - 21:46	SPL - 1/31/24 - 5:47
RKB-13	S	Room 106	SPL - 1/30/24 - 21:49	SPL - 1/31/24 - 5:50
RKB-14	BF	Hallway at Gym - Left	SPL - 1/30/24 - 21:50	SPL - 1/31/24 - 5:51
RKB-15	WF	Hallway at Gym - Left	SPL - 1/30/24 - 21:50	SPL - 1/31/24 - 5:51
RKB-16	BF	Hallway at Gym - Right	SPL - 1/30/24 - 21:50	SPL - 1/31/24 - 5:51
RKB-17	WF	Hallway at Gym - Right	SPL - 1/30/24 - 21:50	SPL - 1/31/24 - 5:51
RKB-18	S	Room 220	SPL - 1/30/24 - 21:52	SPL - 1/31/24 - 5:53
RKB-19	BF	Hallway at Room 220	SPL - 1/30/24 - 21:53	SPL - 1/31/24 - 5:54
RKB-20	WF	Hallway at Room 220	SPL - 1/30/24 - 21:53	SPL - 1/31/24 - 5:54
RKB-21	BF	Hallway at Room 217 - Left	SPL - 1/30/24 - 21:55	SPL - 1/31/24 - 5:56
RKB-22	WF	Hallway at Room 217 - Left	SPL - 1/30/24 - 21:55	SPL - 1/31/24 - 5:56
RKB-23	BF	Hallway at Room 217 - Right	SPL - 1/30/24 - 21:55	SPL - 1/31/24 - 5:56
RKB-24	WF	Hallway at Room 217 - Right	SPL - 1/30/24 - 21:55	SPL - 1/31/24 - 5:56
RKB-25	S	Room 217	SPL - 1/30/24 - 21:56	SPL - 1/31/24 - 5:57

BF=Bottle Filling
B=Bubbler
FW=Filtered Water
ICE=Ice Machine
S=Classroom/Other Sink
WF=Water Fountain

Project Name: Columbia Public Schools Water Sampling and Reporting Services

Project Number: J044517.01

Address: 5151 South Highway 163 Columbia, Missouri

Building Name: Rock Bridge Elementary

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
RBK-26	S	Room 215	SPL - 1/30/24 - 21:58	SPL - 1/31/24 - 5:58
RKB-27	S	Room 214	SPL - 1/30/24 - 21:59	SPL - 1/31/24 - 5:59
RKB-28	S	Room 212	BJL - 1/30/24 - 21:59	SPL - 1/31/24 - 5:59
RKB-29	S	Room 211	SPL - 1/30/24 - 22:01	SPL - 1/31/24 - 6:02
RKB-30	S	Room 207	SPL - 1/30/24 - 22:02	SPL - 1/31/24 - 6:03
RKB-31	S	Room 210	SPL - 1/30/24 - 22:03	SPL - 1/31/24 - 6:04
RKB-32	S	Room 209	SPL - 1/30/24 - 22:04	SPL - 1/31/24 - 6:04
RKB-33	S	Room 132	SPL - 1/30/24 - 22:06	SPL - 1/31/24 - 6:06
RKB-34	B	Room 132	SPL - 1/30/24 - 22:06	SPL - 1/31/24 - 6:06
RKB-35	S	Room 133	SPL - 1/30/24 - 22:08	SPL - 1/31/24 - 6:08
RKB-36	B	Room 133	SPL - 1/30/24 - 22:08	SPL - 1/31/24 - 6:08
RKB-37	BF	Hallway at Room 134	SPL - 1/30/24 - 22:09	SPL - 1/31/24 - 6:09
RKB-38	WF	Hallway at Room 134	SPL - 1/30/24 - 22:09	SPL - 1/31/24 - 6:09
RKB-39	S	Room 136	SPL - 1/30/24 - 22:10	SPL - 1/31/24 - 6:10
RKB-40	B	Room 136	SPL - 1/30/24 - 22:10	SPL - 1/31/24 - 6:10
RKB-41	S	Room 135	SPL - 1/30/24 - 22:11	SPL - 1/31/24 - 6:11
RKB-42	B	Room 135	SPL - 1/30/24 - 22:11	SPL - 1/31/24 - 6:11
RKB-43	S	Room 138	SPL - 1/30/24 - 22:12	SPL - 1/31/24 - 6:12
RKB-44	S	Room 137	SPL - 1/30/24 - 22:13	SPL - 1/31/24 - 6:13
RKB-45	B	Room 137	SPL - 1/30/24 - 22:13	SPL - 1/31/24 - 6:13
RKB-46	S	Room 201 - Left	SPL - 1/30/24 - 22:18	SPL - 1/31/24 - 6:18
RKB-47	S	Room 201 - Left Center	SPL - 1/30/24 - 22:18	SPL - 1/31/24 - 6:18
RKB-48	S	Room 201 - Right Center	SPL - 1/30/24 - 22:18	SPL - 1/31/24 - 6:18
RKB-49	S	Room 201 - Right	SPL - 1/30/24 - 22:18	SPL - 1/31/24 - 6:18
RKB-50	S	Kitchen Food Prep	BJL - 1/30/24 - 22:20	SPL - 1/31/24 - 6:20

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: Rock Bridge Elementary

Project Number: J044517.01
Address: 5151 South Highway 163
Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
RKB-51	S	Kitchen Dish Rinse	BJL - 1/30/24 - 22:20	BJL - 1/31/24 - 6:20
RKB-52	S	Kitchen Dishwash - Left	BJL - 1/30/24 - 22:20	SPL - 1/31/24 - 6:20
RKB-53	S	Kitchen Dishwash - Right	BJL - 1/30/24 - 22:20	SPL - 1/31/24 - 6:20
RKB-54	ICE	Kitchen	SPL - 1/30/24 - 22:21	SPL - 1/31/24 - 6:21
RKB-55	S	Room 126	SPL - 1/30/24 - 22:22	SPL - 1/31/24 - 6:22
RKB-56	BF	Hallway at Room 125 - Left	SPL - 1/30/24 - 22:23	SPL - 1/31/24 - 6:24
RKB-57	WF	Hallway at Room 125 - Left	SPL - 1/30/24 - 22:23	SPL - 1/31/24 - 6:24
RKB-58	BF	Hallway at Room 125 - Right	SPL - 1/30/24 - 22:23	SPL - 1/31/24 - 6:24
RKB-59	WF	Hallway at Room 125 - Right	SPL - 1/30/24 - 22:23	SPL - 1/31/24 - 6:24
RKB-60	S	Room 116 - Left	SPL - 1/30/24 - 22:26	SPL - 1/31/24 - 6:26
RKB-61	S	Room 116 - Center	SPL - 1/30/24 - 22:26	SPL - 1/31/24 - 6:26
RKB-62	S	Room 116 - Right	SPL - 1/30/24 - 22:26	SPL - 1/31/24 - 6:26
RKB-63	BF	Hallway at Room 112 - Left	SPL - 1/30/24 - 22:27	SPL - 1/31/24 - 6:28
RKB-64	WF	Hallway at Room 112 - Left	SPL - 1/30/24 - 22:27	SPL - 1/31/24 - 6:28
RKB-65	BF	Hallway at Room 112 - Right	SPL - 1/30/24 - 22:27	SPL - 1/31/24 - 6:28
RKB-66	WF	Hallway at Room 112 - Right	SPL - 1/30/24 - 22:27	SPL - 1/31/24 - 6:28
RKB-67	S	Room 111	SPL - 1/30/24 - 22:29	SPL - 1/31/24 - 6:29
RKB-68	BF	Hallway at Room 100F	SPL - 1/30/24 - 21:39	SPL - 1/31/24 - 5:41

BF=Bottle Filling
B=Bubbler
FW=Filtered Water
ICE=Ice Machine
S=Classroom/Other Sink
WF=Water Fountain

APPENDIX C

DRINKING WATER LABORATORY DATA SHEETS

March 04, 2024

Brad Lohrum
Geotechnology, Inc.
11816 Lackland Road
St. Louis, MO 63146
TEL: (314) 997-7440
FAX: (314) 997-2067

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

RE: J044517.01 **WorkOrder:** 24020195

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 2/2/2024 3:40:00 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,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24020195
Client Project: J044517.01
Report Date: 04-Mar-24

This reporting package includes the following:

Client: Geotechnology, Inc. **Work Order:** 24020195

Client Project: J044517.01 **Report Date:** 04-Mar-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

Client: Geotechnology, Inc.
Work Order: 24020195

Client Project: J044517.01
Report Date: 04-Mar-24

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Client Project: J044517.01

Work Order: 24020195
Report Date: 04-Mar-24

Cooler Receipt Temp: NA °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

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

Client: Geotechnology, Inc. **Work Order:** 24020195

Client Project: J044517.01 **Report Date:** 04-Mar-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		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Geotechnology, Inc. **Work Order:** 24020195

Client Project: J044517.01 **Report Date:** 04-Mar-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24020195-001A	CRE-61	NELAP		1.0	**1.2**	µg/L	1	02/29/2024 6:50	01/31/2024 5:03
24020195-002A	CRE-62	NELAP		1.0	**< 1.0**	µg/L	1	03/01/2024 11:09	01/31/2024 5:04
24020195-003A	CRE-63	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 7:05	01/31/2024 5:05
24020195-004A	CRE-64	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 8:18	01/31/2024 5:06
24020195-005A	CRE-65	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 8:22	01/31/2024 5:10
24020195-006A	CRE-66	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 8:26	01/31/2024 5:10
24020195-007A	CRE-67	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 8:29	01/31/2024 5:10
24020195-008A	CRE-68	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 15:23	01/31/2024 5:11
24020195-009A	CRE-69	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 15:27	01/31/2024 5:14
24020195-010A	RKB-01	NELAP		1.0	**1.2**	µg/L	1	02/29/2024 15:41	01/31/2024 5:37
24020195-011A	RKB-02	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 15:45	01/31/2024 5:37
24020195-012A	RKB-03	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 15:49	01/31/2024 5:40
24020195-013A	RKB-04	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 15:52	01/31/2024 5:40
24020195-014A	RKB-05	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 15:56	01/31/2024 5:40
24020195-015A	RKB-06	NELAP		1.0	**1.2**	µg/L	1	02/29/2024 16:00	01/31/2024 5:43
24020195-016A	RKB-07	NELAP		1.0	**2.4**	µg/L	1	02/29/2024 16:03	01/31/2024 5:43
24020195-017A	RKB-08	NELAP		1.0	**4.1**	µg/L	1	03/01/2024 12:19	01/31/2024 5:44
24020195-018A	RKB-09	NELAP		1.0	**1.1**	µg/L	1	02/29/2024 16:29	01/31/2024 5:45
24020195-019A	RKB-10	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 16:33	01/31/2024 5:45
24020195-020A	RKB-11	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 16:36	01/31/2024 5:46
24020195-021A	RKB-12	NELAP		1.0	**1.3**	µg/L	1	03/01/2024 12:41	01/31/2024 5:47
24020195-022A	RKB-13	NELAP		1.0	**1.1**	µg/L	1	02/29/2024 16:51	01/31/2024 5:50
24020195-023A	RKB-14	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 16:55	01/31/2024 5:51
24020195-024A	RKB-15	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 16:58	01/31/2024 5:51
24020195-025A	RKB-16	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:02	01/31/2024 5:51
24020195-026A	RKB-17	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:17	01/31/2024 5:51
24020195-027A	RKB-18	NELAP		1.0	**26.6**	µg/L	5	03/02/2024 6:34	01/31/2024 5:53
24020195-028A	RKB-19	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:20	01/31/2024 5:54
24020195-029A	RKB-20	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:24	01/31/2024 5:54
24020195-030A	RKB-21	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:28	01/31/2024 5:56
24020195-031A	RKB-22	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:31	01/31/2024 5:56
24020195-032A	RKB-23	NELAP		1.0	**< 1.0**	µg/L	1	03/01/2024 12:52	01/31/2024 5:56
24020195-033A	RKB-24	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 17:46	01/31/2024 5:56
24020195-034A	RKB-25	NELAP		1.0	**3.6**	µg/L	1	02/29/2024 17:50	01/31/2024 5:57
24020195-035A	RKB-26	NELAP		1.0	**22.4**	µg/L	1	02/29/2024 18:04	01/31/2024 5:58
24020195-036A	RKB-27	NELAP		1.0	**49.4**	µg/L	5	03/02/2024 7:07	01/31/2024 5:59
24020195-037A	RKB-28	NELAP		1.0	**43.0**	µg/L	5	03/02/2024 6:38	01/31/2024 5:59
24020195-038A	RKB-29	NELAP		1.0	**13.4**	µg/L	5	03/02/2024 7:11	01/31/2024 6:02
24020195-039A	RKB-30	NELAP		1.0	**17.2**	µg/L	1	02/29/2024 18:08	01/31/2024 6:03
24020195-040A	RKB-31	NELAP		1.0	**15.4**	µg/L	1	02/29/2024 18:12	01/31/2024 6:04
24020195-041A	RKB-32	NELAP		1.0	**5.9**	µg/L	1	02/29/2024 18:15	01/31/2024 6:04
24020195-042A	RKB-33	NELAP		1.0	**7.5**	µg/L	1	02/29/2024 18:19	01/31/2024 6:06
24020195-043A	RKB-34	NELAP		1.0	**2.4**	µg/L	1	02/29/2024 18:23	01/31/2024 6:06
24020195-044A	RKB-35	NELAP		1.0	**5.8**	µg/L	1	02/29/2024 18:26	01/31/2024 6:08
24020195-045A	RKB-36	NELAP		1.0	**2.3**	µg/L	1	02/29/2024 18:30	01/31/2024 6:08
24020195-046A	RKB-37	NELAP		1.0	**< 1.0**	µg/L	1	03/01/2024 13:03	01/31/2024 6:09
24020195-047A	RKB-38	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 18:56	01/31/2024 6:09
24020195-048A	RKB-39	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 18:59	01/31/2024 6:10

Client: Geotechnology, Inc. **Work Order:** 24020195

Client Project: J044517.01 **Report Date:** 04-Mar-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24020195-049A	RKB-40	NELAP		1.0	**4.2**	µg/L	1	02/29/2024 19:03	01/31/2024 6:10
24020195-050A	RKB-41	NELAP		1.0	**3.3**	µg/L	1	02/29/2024 19:07	01/31/2024 6:11
24020195-051A	RKB-42	NELAP		1.0	**< 1.0**	µg/L	1	02/29/2024 19:10	01/31/2024 6:11
24020195-052A	RKB-43	NELAP		1.0	**1.5**	µg/L	1	02/29/2024 19:14	01/31/2024 6:12
24020195-053A	RKB-44	NELAP		1.0	**< 1.0**	µg/L	1	03/01/2024 13:25	01/31/2024 6:13
24020195-054A	RKB-45	NELAP		1.0	**5.9**	µg/L	1	03/01/2024 13:36	01/31/2024 6:13
24020195-055A	RKB-46	NELAP		1.0	**3.0**	µg/L	5	03/02/2024 7:15	01/31/2024 6:18
24020195-056A	RKB-47	NELAP		1.0	**3.8**	µg/L	5	03/02/2024 7:20	01/31/2024 6:18
24020195-057A	RKB-48	NELAP		1.0	**4.1**	µg/L	5	03/02/2024 7:24	01/31/2024 6:18
24020195-058A	RKB-49	NELAP		1.0	**1.3**	µg/L	5	03/02/2024 7:28	01/31/2024 6:18
24020195-059A	RKB-50	NELAP		1.0	**< 1.0**	µg/L	1	03/01/2024 13:39	01/31/2024 6:20
24020195-060A	RKB-51	NELAP		1.0	**1.2**	µg/L	1	03/01/2024 13:43	01/31/2024 6:20

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24020195
Client Project: J044517.01
Report Date: 04-Mar-24

Carrier: Craig McKinney
Received By: LM

Completed by: Amber Dilallo
On: 05-Feb-24

Reviewed by: Ellie Hopkins
On: 06-Feb-24

Pages to follow: Chain of custody 6 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	NA	
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

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

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory.

CHAIN OF CUSTODY

pg. 7 of 40 Work order # 24020195

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

Client:	Geotechnology, LLC
Address:	11816 Lackland Road
City / State / Zip	St. Louis, MO 63146
Contact:	Brad Lohrum
Phone:	(314) 997-7440
E-Mail:	blohrum@teamues.com
Fax:	

Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE NA °C LTG# _____

Preserved in: ☒ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW - Lead E200.8
24020195 001	CRE - 61	1/31/24 5:03	1									X					X
002	CRE - 62	5:04	1									X					X
003	63	5:05	1									X					X
004	64	5:06	1									X					X
005	65	5:10	1									X					X
006	66	"	1									X					X
007	67	"	1									X					X
008	68	5:11	1									X					X
009	69	5:14	1									X					X
010	RKB-01	" 5:37	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	2/2/24 1230		2/2/24 1230
	2/2/24 1540		2/2/24 1540

BottleOrder: 80481

CHAIN OF CUSTODY

pg. 8 of 40 Work order # 24020195

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

Client:	Geotechnology, LLC
Address:	11816 Lackland Road
City / State / Zip	St. Louis, MO 63146
Contact:	Brad Lohrum
Phone:	(314) 997-7440
E-Mail:	blohrum@teamues.com
Fax:	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW - Lead E200.8
24020195 01	RKB - 02	1/31/24 5:37	1									X					X
02	03	5:40	1									X					X
03	04	"	1									X					X
04	05	"	1									X					X
05	06	5:43	1									X					X
06	07	"	1									X					X
07	08	5:44	1									X					X
08	09	5:45	1									X					X
09	10	"	1									X					X
10	11	5:46	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	2/2/24 1230		2/2/24 1230
	2/2/24 1540		2/2/24 1540

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. 9 of 40 Work order # 24020195

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

Client:	Geotechnology, LLC
Address:	11816 Lackland Road
City / State / Zip	St. Louis, MO 63146
Contact:	Brad Lohrum **Phone:** (314) 997-7440
E-Mail:	blohrum@teamues.com **Fax:**

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers								MATRIX						INDICATE ANALYSIS REQUESTED															
			UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8															
24020195 021	RKB - 12	1/31/24 5:47	1									X					X															
022	13	5:50	1									X					X															
023	14	5:51	1									X					X															
024	15	"	1									X					X															
025	16	"	1									X					X															
026	17	"	1									X					X															
027	18	5:53	1									X					X															
028	19	5:54	1									X					X															
029	20	"	1									X					X															
030	21	5:56	1									X					X															

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/2/24 1230	[signature]	2/2/24 1230
[signature]	2/2/24 1540	[signature]	2/2/24 1540

BottleOrder: 80481

CHAIN OF CUSTODY

pg. 10 of 40 Work order # 24020195

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

Client:	Geotechnology, LLC
Address:	11816 Lackland Road
City / State / Zip	St. Louis, MO 63146
Contact:	Brad Lohrum
Phone:	(314) 997-7440
E-Mail:	blohrum@teamues.com
Fax:	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW - Lead E200.8
24020195 031	RKB - 22	1/31/24 5:56	1									X					X
032	RKB - 23	" "	1									X					X
033	" 24	" "	1									X					X
034	" 25	" 5:57	1									X					X
035	" 26	" 5:58	1									X					X
036	" 27	" 5:59	1									X					X
037	" 28	" "	1									X					X
038	" 29	" 6:02	1									X					X
039	" 30	" 6:03	1									X					X
040	" 31	" 6:04	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/2/24 1230	[signature]	2/2/24 1230
[signature]	2/2/24 1540	[signature]	2/2/24 1540

BottleOrder: 80481

CHAIN OF CUSTODY

pg. 11 of 40 Work order # 24020195

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

Client:	Geotechnology, LLC		
Address:	11816 Lackland Road		
City / State / Zip	St. Louis, MO 63146		
Contact:	Brad Lohrum	**Phone:**	(314) 997-7440
E-Mail:	blohrum@teamues.com	**Fax:**	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW - Lead E200.8
24020195 041	RKB-32	1/31/24 6:04	1									X					X
042	RKB-33	6:06	1									X					X
043	34	+	1									X					X
044	35	6:08	1									X					X
045	36	+	1									X					X
046	37	6:09	1									X					X
047	38	+	1									X					X
048	39	6:10	1									X					X
049	40	+	1									X					X
050	41	+ 6:11	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Brooklyn Lohrum	2/2/24 1230		2/2/24 1230
	2/2/24 1540		2/2/24 1540

BottleOrder: 80481

CHAIN OF CUSTODY

pg. 12 of 40 Work order # 24020195

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

Client:	Geotechnology, LLC		
Address:	11816 Lackland Road		
City / State / Zip	St. Louis, MO 63146		
Contact:	Brad Lohrum	**Phone:**	(314) 997-7440
E-Mail:	blohrum@teamues.com	**Fax:**	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers								MATRIX						INDICATE ANALYSIS REQUESTED																
			UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8																
24020195 051	RKB-42	1/31/24 6:11	1									X					X																
052	RKB-43	6:12	1									X					X																
053	44	6:13	1									X					X																
054	45	+	1									X					X																
055	46	6:18	1									X					X																
056	47	"	1									X					X																
057	48	"	1									X					X																
058	49	"	1									X					X																
059	50	6:20	1									X					X																
060	" 51	" 6:20	1									X					X																

Relinquished By	Date/Time	Received By	Date/Time
	2/2/24 1230		2/2/24 1230
	2/2/24 1540		2/2/24 1540

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

March 05, 2024

Brad Lohrum
Geotechnology, Inc.
11816 Lackland Road
St. Louis, MO 63146
TEL: (314) 997-7440
FAX: (314) 997-2067

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

RE: J044517.01 **WorkOrder:** 24020196

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 2/2/2024 3:40:00 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,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24020196
Client Project: J044517.01
Report Date: 05-Mar-24

This reporting package includes the following:

Client: Geotechnology, Inc. **Work Order:** 24020196

Client Project: J044517.01 **Report Date:** 05-Mar-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

Client: Geotechnology, Inc.
Work Order: 24020196

Client Project: J044517.01
Report Date: 05-Mar-24

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Client Project: J044517.01

Work Order: 24020196
Report Date: 05-Mar-24

Cooler Receipt Temp: NA °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

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

Client: Geotechnology, Inc. **Work Order:** 24020196

Client Project: J044517.01 **Report Date:** 05-Mar-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		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Geotechnology, Inc. **Work Order:** 24020196

Client Project: J044517.01 **Report Date:** 05-Mar-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24020196-001A	RKB-52	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:47	01/31/2024 6:20
24020196-002A	RKB-53	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:50	01/31/2024 6:20
24020196-003A	RKB-54	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:54	01/31/2024 6:21
24020196-004A	RKB-55	NELAP		1.0	2.4	µg/L	1	03/01/2024 14:16	01/31/2024 6:22
24020196-005A	RKB-56	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 14:20	01/31/2024 6:24
24020196-006A	RKB-57	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 14:23	01/31/2024 6:24
24020196-007A	RKB-58	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 14:27	01/31/2024 6:24
24020196-008A	RKB-59	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 10:44	01/31/2024 6:24
24020196-009A	RKB-60	NELAP		1.0	4.6	µg/L	1	03/01/2024 10:49	01/31/2024 6:26
24020196-010A	RKB-61	NELAP		1.0	8.8	µg/L	1	03/01/2024 10:53	01/31/2024 6:26
24020196-011A	RKB-62	NELAP		1.0	17.2	µg/L	1	03/01/2024 11:10	01/31/2024 6:26
24020196-012A	RKB-63	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 10:57	01/31/2024 6:28
24020196-013A	RKB-64	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:01	01/31/2024 6:28
24020196-014A	RKB-65	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:06	01/31/2024 6:28
24020196-015A	RKB-66	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:40	01/31/2024 6:28
24020196-016A	RKB-67	NELAP		1.0	2.5	µg/L	1	03/01/2024 12:10	01/31/2024 6:29
24020196-017A	RKB-68	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:45	01/31/2024 5:41
24020196-018A	PKE-01	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:49	02/01/2024 3:05
24020196-019A	PKE-02	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:53	02/01/2024 3:05
24020196-020A	PKE-03	NELAP		1.0	1.9	µg/L	5	02/23/2024 18:56	02/01/2024 3:09
24020196-021A	PKE-04	NELAP		1.0	7.0	µg/L	5	02/23/2024 19:00	02/01/2024 3:09
24020196-022A	PKE-05	NELAP		1.0	2.5	µg/L	5	02/23/2024 19:03	02/01/2024 3:09
24020196-023A	PKE-06	NELAP		1.0	3.8	µg/L	5	03/02/2024 7:32	02/01/2024 3:11
24020196-024A	PKE-07	NELAP		1.0	5.1	µg/L	5	03/02/2024 7:36	02/01/2024 3:11
24020196-025A	PKE-08	NELAP		1.0	9.6	µg/L	5	03/02/2024 7:40	02/01/2024 3:11
24020196-026A	PKE-09	NELAP		1.0	1.8	µg/L	5	03/02/2024 7:45	02/01/2024 3:13
24020196-027A	PKE-10	NELAP		1.0	2.0	µg/L	5	03/02/2024 8:06	02/01/2024 3:13
24020196-028A	PKE-11	NELAP		1.0	8.3	µg/L	5	03/02/2024 8:35	02/01/2024 3:13
24020196-029A	PKE-12	NELAP		1.0	< 1.0	µg/L	5	02/23/2024 19:07	02/01/2024 3:15
24020196-030A	PKE-13	NELAP		1.0	1.7	µg/L	5	02/23/2024 19:11	02/01/2024 3:15
24020196-031A	PKE-14	NELAP		1.0	5.2	µg/L	5	02/23/2024 19:14	02/01/2024 3:15
24020196-032A	PKE-15	NELAP		1.0	< 1.0	µg/L	1	03/04/2024 9:41	02/01/2024 3:16
24020196-033A	PKE-16	NELAP		1.0	1.0	µg/L	1	03/04/2024 9:45	02/01/2024 3:16
24020196-034A	PKE-17	NELAP		1.0	3.6	µg/L	5	02/23/2024 19:18	02/01/2024 3:17
24020196-035A	PKE-18	NELAP		1.0	1.3	µg/L	5	02/23/2024 19:32	02/01/2024 3:17
24020196-036A	PKE-19	NELAP		1.0	1.2	µg/L	5	02/23/2024 19:36	02/01/2024 3:17
24020196-037A	PKE-20	NELAP		1.0	< 1.0	µg/L	5	02/23/2024 19:40	02/01/2024 3:19
24020196-038A	PKE-21	NELAP		1.0	1.9	µg/L	1	03/04/2024 9:48	02/01/2024 3:21
24020196-039A	PKE-22	NELAP		1.0	< 1.0	µg/L	1	03/04/2024 10:10	02/01/2024 3:21
24020196-040A	PKE-23	NELAP		1.0	< 1.0	µg/L	1	03/04/2024 10:14	02/01/2024 3:21
24020196-041A	PKE-24	NELAP		1.0	< 1.0	µg/L	1	03/04/2024 10:18	02/01/2024 3:23
24020196-042A	PKE-25	NELAP		1.0	1.1	µg/L	1	03/04/2024 10:21	02/01/2024 3:23
24020196-043A	PKE-26	NELAP		1.0	< 1.0	µg/L	5	02/23/2024 19:43	02/01/2024 3:24
24020196-044A	PKE-27	NELAP		1.0	1.2	µg/L	1	03/04/2024 10:32	02/01/2024 3:26
24020196-045A	PKE-28	NELAP		1.0	< 1.0	µg/L	1	03/04/2024 10:36	02/01/2024 3:26
24020196-046A	PKE-29	NELAP		1.0	< 1.0	µg/L	1	03/04/2024 10:40	02/01/2024 3:26
24020196-047A	PKE-30	NELAP		1.0	2.0	µg/L	1	03/04/2024 10:54	02/01/2024 3:28
24020196-048A	PKE-31	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 11:58	02/01/2024 3:29

Client: Geotechnology, Inc.
Work Order: 24020196
Client Project: J044517.01
Report Date: 05-Mar-24
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24020196-049A	PKE-32	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 12:02	02/01/2024 3:30
24020196-050A	PKE-33	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:33	02/01/2024 3:30
24020196-051A	PKE-34	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 12:36	02/01/2024 3:30
24020196-052A	PKE-35	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 12:41	02/01/2024 3:32
24020196-053A	PKE-36	NELAP		1.0	2.8	µg/L	1	03/01/2024 12:45	02/01/2024 3:32
24020196-054A	PKE-37	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 12:49	02/01/2024 3:33
24020196-055A	PKE-38	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 12:54	02/01/2024 3:38
24020196-056A	PKE-39	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 12:58	02/01/2024 3:39
24020196-057A	PKE-40	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:37	02/01/2024 3:39
24020196-058A	PKE-41	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:02	02/01/2024 3:39
24020196-059A	PKE-42	NELAP		1.0	< 1.0	µg/L	1	03/01/2024 13:41	02/01/2024 3:42
24020196-060A	PKE-43	NELAP		1.0	1.1	µg/L	1	03/01/2024 13:45	02/01/2024 3:42

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24020196
Client Project: J044517.01
Report Date: 05-Mar-24

Carrier: Craig McKinney
Received By: LM

Completed by: Amber Dilallo
On: 05-Feb-24

Reviewed by: Ellie Hopkins
On: 06-Feb-24

Pages to follow: Chain of custody 6 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	NA	
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

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

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory.

CHAIN OF CUSTODY

 Work order # 24020196

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

Client:	Geotechnology, LLC		
Address:	11816 Lackland Road		
City / State / Zip	St. Louis, MO 63146		
Contact:	Brad Lohrum	**Phone:**	(314) 997-7440
E-Mail:	blohrum@teamues.com	**Fax:**	

Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE NA °C LTG# _____

Preserved in: ☒ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW - Lead E200.8
24020196 001	RKB-52	1/31/24 6:20	1									X					X
002	RKB-53	"	1									X					X
003	54	6:21	1									X					X
004	55	6:22	1									X					X
005	56	6:24	1									X					X
006	57	"	1									X					X
007	58	"	1									X					X
008	59	"	1									X					X
009	60	6:26	1									X					X
010	61	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/2/24 1230	[signature]	2/2/24 1230
[signature]	2/2/24 1540	[signature]	2/2/24 1540

BottleOrder: 80481

CHAIN OF CUSTODY

pg. 14 of 40 Work order # 24020196

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

Client:	Geotechnology, LLC
Address:	11816 Lackland Road
City / State / Zip	St. Louis, MO 63146
Contact:	Brad Lohrum
Phone:	(314) 997-7440
E-Mail:	blohrum@teamues.com
Fax:	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

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

Are these samples known to be hazardous? ☐ Yes ☒ No

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

Project Name/Number	Sample Collector's Name
J044517.01	Brad Lohrum

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: DW - Lead E200.8
24020196 011	RKB-62	1/31/24 6:26	1									X					X
012	RKB-63	6:28	1									X					X
013	64	"	1									X					X
014	65	"	1									X					X
015	66	"	1									X					X
016	67	6:29	1									X					X
017	68	5:41	1									X					X
018	PKE-01	2/1/24 3:05	1									X					X
019	PKE-02	"	1									X					X
020	PKE-03	3:09	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Brad Lohrum	2/2/24 1230		2/2/24 1230
	2/2/24 1540		2/2/24 1540

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

1. 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.