WATER SAMPLING AND REPORTING SERVICES

COLUMBIA PUBLIC SCHOOLS
BATTLE HIGH SCHOOL
7575 EAST ST. CHARLES ROAD
COLUMBIA, MISSOURI

Prepared for:

COLUMBIA PUBLIC SCHOOLS
COLUMBIA, MISSOURI

Prepared by:

GEOTECHNOLOGY, LLC, DBA UES
ST. LOUIS, MISSOURI

Date:

JULY 20, 2024

Project No.:

J044517.01

SAFETY
TEAMWORK
RESPONSIVENESS
INTEGRITY
VALUE
EXCELLENCE

July 20, 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
Battle High School
7575 East St. Charles Road
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 Battle High School, located northeast of the intersection of Battle Avenue and East St. Charles Road 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 March 5, 6, 14, and 15, 2024, and June 26, 2024, by Mr. Brad Lohrum, a Missouri-licensed lead risk assessor. Copies of Mr. Lohrum's training certificate and lead license 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. Floor plans depicting approximate sample locations are included as Figures 1, 2, and 3.

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
BHS-07 / Room J103 Sink	11.4 ppb
BHS-08 / Room J113 North Sink	5 ppb
BHS-13 / Room H106 North Sink	5 ppb
BHS-14 / Room H106 West Left Sink	13.1 ppb
BHS-15 / Room H106 West Right Sink	9.9 ppb
BHS-16 / Room H106 East Left Sink	14.4 ppb
BHS-17 / Room H106 East Right Sink	25.9 ppb
BHS-18 / Room H110 South Sink	5.2 ppb
BHS-19 / Room H110 West Left Sink	9.4 ppb
BHS-20 / Room H110 West Left Center Sink	17.1 ppb
BHS-21 / Room H110 West Center Sink	16.4 ppb
BHS-22 / Room H110 West Right Center Sink	14.6 ppb
BHS-23 / Room H110 West Right Sink	26.8 ppb
BHS-24 / Room H110 North Sink	8.1 ppb
BHS-27 / Room H114 North Sink	6.5 ppb
BHS-28 / Room H114 East Left Sink	9.3 ppb
BHS-29 / Room H114 East Left Center Sink	7.3 ppb
BHS-30 / Room H114 East Center Sink	8.1 ppb
BHS-31 / Room H114 East Right Center Sink	9.3 ppb

TABLE 2 - CONTINUED

Sample Number / Location and Fixture Type	Results
BHS-32 / Room H114 East Right Sink	5.7 ppb
BHS-33 / Room H114 South Sink	12.5 ppb
BHS-34 / Room H114 Teacher's Sink	24.1 ppb
BHS-37 / Room G110 South Sink	6.6 ppb
BHS-38 / Room G110 West Left Sink	5.1 ppb
BHS-39 / Room G110 West Left Center Sink	5.8 ppb
BHS-40 / Room G110 West Center Sink	6 ppb
BHS-42 / Room G110 West Right Sink	5.9 ppb
BHS-44 / Room G110 Teacher's Sink	5.7 ppb
BHS-45 / Room G112 Sink	5.3 ppb
BHS-46 / Room G113 North Sink	9.2 ppb
BHS-47 / Room G113 East Left Sink	8.3 ppb
BHS-48 / Room G113 East Left Center Sink	5.7 ppb
BHS-49 / Room G113 East Center Sink	9.6 ppb
BHS-50 / Room G113 East Right Center Sink	7.3 ppb
BHS-52 / Room G113 East Right Sink	10.6 ppb
BHS-53 / Room G113 Teacher's Sink	9.2 ppb
BHS-57 / Room F110 South Sink	9.7 ppb
BHS-59 / Room F110 West Left Center Sink	7.9 ppb
BHS-60 / Room F110 West Center Sink	5.8 ppb
BHS-61 / Room F110 West Right Center Sink	6.9 ppb
BHS-62 / Room F110 West Right Sink	5.1 ppb
BHS-81 / Room C106 Sink	9 ppb
BHS-83 / Room B109 Dish Wash Sink	11.9 ppb
BHS-101 / Room A102 Left Sink	5.6 ppb
BHS-106 / Room A101 North Right Sink	5 ppb
BHS-107 / Room A101 East Left Sink	9 ppb
BHS-111 / Room A126 Sink	5.2 ppb
BHS-122 / Room D237 Food Prep East Sink	5 ppb
BHS-125 / Room D237 Dish Wash Center Sink	6.7 ppb
BHS-126 / Room D237 Dish Wash Right Sink	5.2 ppb
BHS-130 / Room D231 Dish Rinse Sink	8.1 ppb
BHS-136 / Room D231 Eye Wash Sink	35.7 ppb
BHS-142 / Room D227 Sink	7.8 ppb
BHS-143 / Room D226 Sink	10 ppb
BHS-146 / Room F215 South Sink	7.5 ppb
BHS-147 / Room F215 West Left Sink	7.5 ppb
BHS-148 / Room F215 West Left Center Sink	6.5 ppb

TABLE 3 - CONTINUED

Sample Number / Location and Fixture Type	Results
BHS-149 / Room F215 West Center Sink	6.9 ppb
BHS-150 / Room F215 West Right Center Sink	7.5 ppb
BHS-151 / Room F215 West Right Sink	7.8 ppb
BHS-152 / Room F215 North Sink	5.8 ppb
BHS-153 / Room F215 Teacher's Sink	9.1 ppb
BHS-154 / Room F216 Sink	9.8 ppb
BHS-155 / Room F218 North Sink	6.9 ppb
BHS-156 / Room F218 East Left Sink	10.7 ppb
BHS-157 / Room F218 East Left Center Sink	12.9 ppb
BHS-158 / Room F218 East Center Sink	9 ppb
BHS-159 / Room F218 East Right Center Sink	9.8 ppb
BHS-160 / Room F218 East Right Sink	5.7 ppb
BHS-162 / Room F218 Teacher's Sink	68.8 ppb
BHS-166 / Room G215 South Sink	7 ppb
BHS-167 / Room G215 West Left Sink	17 ppb
BHS-168 / Room G215 West Left Center Sink	7.9 ppb
BHS-169 / Room G215 West Center Sink	10.6 ppb
BHS-170 / Room G215 West Right Center Sink	8.5 ppb
BHS-171 / Room G215 West Right Sink	16.6 ppb
BHS-172 / Room G215 North Sink	10.7 ppb
BHS-173 / Room G215 Teacher's Sink	8.8 ppb
BHS-175 / Room G218 North Sink	5.3 ppb
BHS-176 / Room G218 East Left Sink	7.6 ppb
BHS-177 / Room G218 East Left Center Sink	7.6 ppb
BHS-178 / Room G218 East Center Sink	7.2 ppb
BHS-180 / Room G218 East Right Sink	8 ppb
BHS-182 / Room G218 Teacher's Sink	17.2 ppb
BHS-185 / Room H215 South Sink	20.9 ppb
BHS-186 / Room H215 West Left Sink	516 ppb
BHS-187 / Room H215 West Left Center Sink	8.6 ppb
BHS-188 / Room H215 West Center Sink	12.4 ppb
BHS-189 / Room H215 West Right Center Sink	10.5 ppb
BHS-190 / Room H215 West Right Sink	58.5 ppb
BHS-191 / Room H215 North Sink	13.4 ppb
BHS-192 / Room H215 Teacher's Sink	12.8 ppb
BHS-193 / Room H216 Sink	7.2 ppb
BHS-194 / Room H218 North Sink	5.9 ppb
BHS-195 / Room H218 East Left Sink	9.1 ppb

TABLE 4 - CONTINUED

Sample Number / Location and Fixture Type	Results
BHS-196 / Room H218 East Left Center Sink	8.1 ppb
BHS-197 / Room H218 East Center Sink	12.1 ppb
BHS-198 / Room H218 East Right Center Sink	7.2 ppb
BHS-199 / Room H218 East Right Sink	13.1 ppb
BHS-200 / Room H218 South Sink	5 ppb
BHS-201 / Room H218 Teacher's Sink	5.1 ppb
BHS-206 / Room J215 West Left Sink	9.1 ppb
BHS-207 / Room J215 West Left Center Sink	9.4 ppb
BHS-208 / Room J215 West Center Sink	8.4 ppb
BHS-209 / Room J215 West Right Center Sink	11.9 ppb
BHS-210 / Room J215 West Right Sink	14.6 ppb
BHS-211 / Room J215 North Sink	7.9 ppb
BHS-212 / Room J215 Teacher's Sink	5.4 ppb
BHS-213 / Room J216 Sink	9.7 ppb
BHS-214 / Room J218 North Sink	14.5 ppb
BHS-215 / Room J218 East Left Sink	7.7 ppb
BHS-216 / Room J218 East Left Center Sink	6.5 ppb
BHS-217 / Room J218 East Center Sink	7.4 ppb
BHS-218 / Room J218 East Right Center Sink	7.9 ppb
BHS-219 / Room J218 East Right Sink	5.3 ppb
BHS-220 / Room J218 South Sink	11.5 ppb
BHS-221 / Room J218 Teacher's Sink	5.2 ppb

UES personnel resampled client-designated outlets on June 26, 2024 (BHS-83-2, BHS-122-2, BHS-125-2, BHS-126-2, and BHS-130-2). Laboratory analyses detected the presence of lead at or above 5 ppb in the following samples.

TABLE 2
RESAMPLED DRINKING WATER OUTLETS AT OR ABOVE 5 PARTS PER BILLION

Sample Number / Location and Fixture Type	Results
BHS-83-2 / Room B109 Dish Wash Sink	17.6 ppb
BHS-125-2 / Room D237 Dish Wash Center Sink	8.8 ppb
BHS-126-2 / Room D237 Dish Wash Right Sink	5.9 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 that have not been retested 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 outlets identified in Table 2 should be taken out of service pending further remediation activities. These fixtures should be resampled and tested prior to being put back into service.

* * * * * *

The following attachments are included in and complete this report:

Figure 1	-	Drinking Water Sample Locations – First Floor
Figure 2	-	Drinking Water Sample Locations – Second Floor
Figure 3	-	Drinking Water Sample Locations – Exterior
Appendix A	-	Certificate and License of Environmental Professional
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,

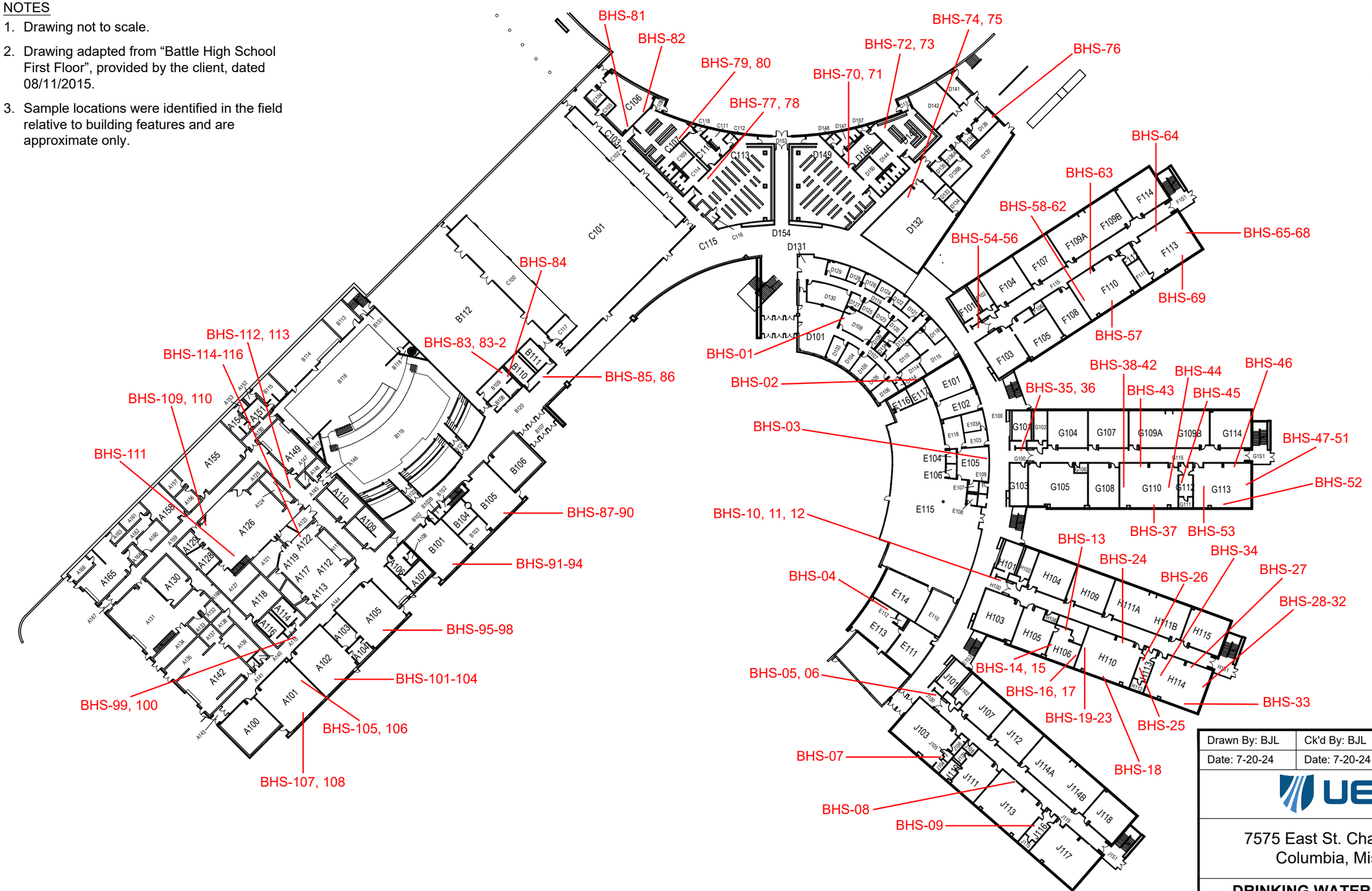
UES

Bradley J. Lohrum
Project Manager

BJL/MSR:bjl/jsj

NOTES

1. Drawing not to scale.
2. Drawing adapted from “Battle High School First Floor”, provided by the client, dated 08/11/2015.
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: 7-20-24	Date: 7-20-24	Date: 7-20-24

UES

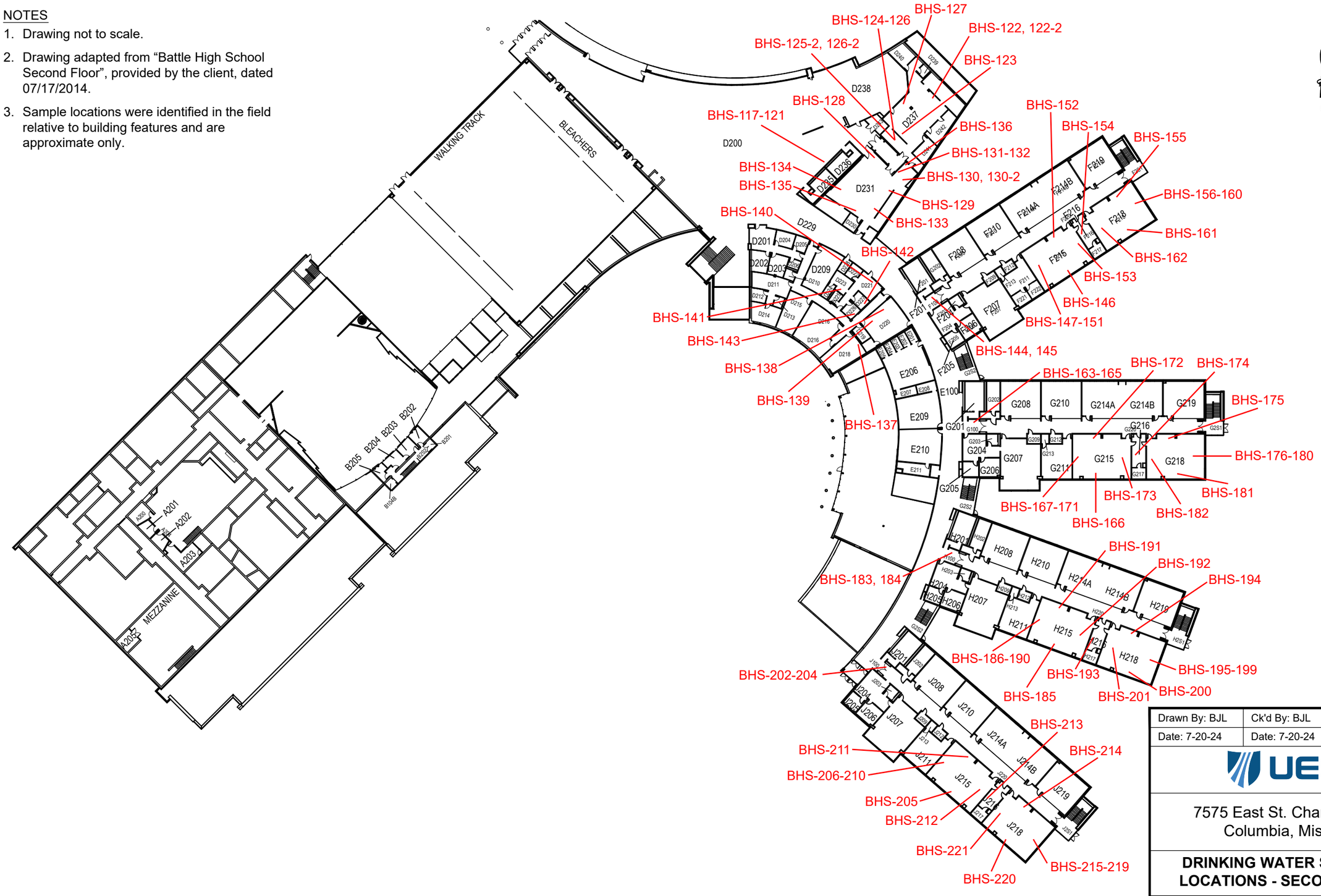
7575 East St. Charles Road
Columbia, Missouri

DRINKING WATER SAMPLING LOCATIONS - FIRST FLOOR

Project Number J044517.01	FIGURE 1

NOTES

1. Drawing not to scale.
2. Drawing adapted from “Battle High School Second Floor”, provided by the client, dated 07/17/2014.
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: 7-20-24	Date: 7-20-24	Date: 7-20-24

UES

7575 East St. Charles Road
Columbia, Missouri

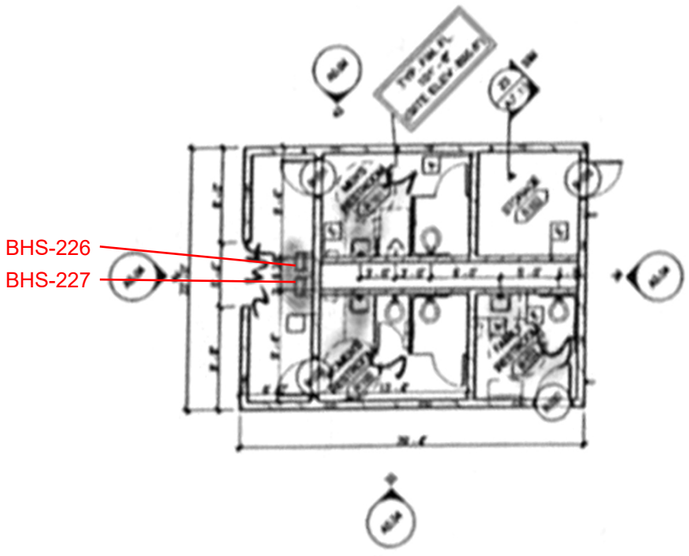
DRINKING WATER SAMPLING LOCATIONS - SECOND FLOOR

Project Number
J044517.01

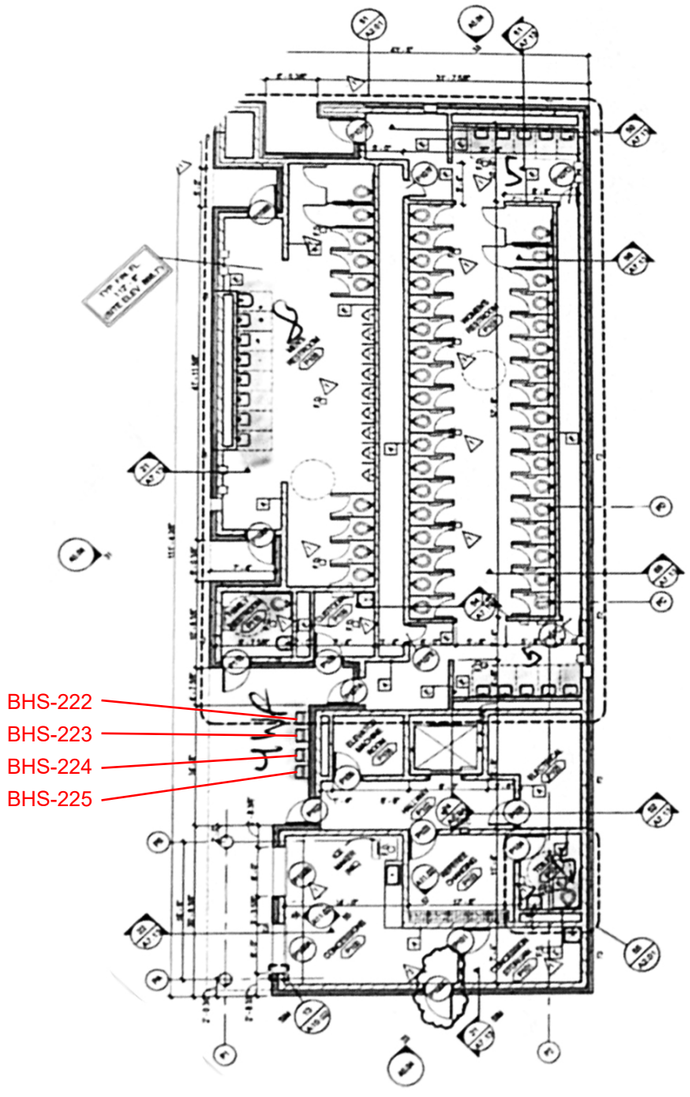
FIGURE 2

NOTES

1. Drawing not to scale.
2. Drawing adapted from “Site Building Plans Columbia High School”, provided by the client, dated 05/17/2010.
3. Sample locations were identified in the field relative to building features and are approximate only.



SOFTBALL RESTROOMS



PRESSBOX

Drawn By: BJL	Ck'd By: BJL	App'vd By: MSR
Date: 7-20-24	Date: 7-20-24	Date: 7-20-24

UES

7575 East St. Charles Road
Columbia, Missouri

DRINKING WATER SAMPLING LOCATIONS - EXTERIOR

Project Number J044517.01	FIGURE 3

APPENDIX A

CERTIFICATE AND LICENSE OF ENVIRONMENTAL PROFESSIONAL

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

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 (UES)

11816 Lackland Rd Suite 150
St. Louis, MO 63146

Issuance Date:	**2/28/2024**
Expiration Date:	**2/28/2026**
License Number:	**240229-4652**

Paula F. Nickelson
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: Battle High School
Project Number: J044517.01
Address: 7575 East St. Charles Road Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-01	S	Room D108	BJL - 3/5/24 - 20:46	BJL - 3/6/24 - 4:46
BHS-02	S	Room D114	BJL - 3/5/24 - 20:48	BJL - 3/6/24 - 4:48
BHS-03	S	Room E105	BJL - 3/5/24 - 20:51	BJL - 3/6/24 - 4:51
BHS-04	S	Room E113	BJL - 3/5/24 - 20:55	BJL - 3/6/24 - 4:55
BHS-05	WF	Room J100 - Left	BJL - 3/5/24 - 21:00	BJL - 3/6/24 - 5:00
BHS-06	WF	Room J100 - Right	BJL - 3/5/24 - 21:00	BJL - 3/6/24 - 5:00
BHS-07	S	Room J103	BJL - 3/5/24 - 21:06	BJL - 3/6/24 - 5:06
BHS-08	S	Room J113 - North	BJL - 3/5/24 - 21:10	BJL - 3/6/24 - 5:10
BHS-09	S	Room J116	BJL - 3/5/24 - 21:12	BJL - 3/6/24 - 5:12
BHS-10	BF	Room H100	BJL - 3/5/24 - 21:15	BJL - 3/6/24 - 5:15
BHS-11	WF	Room H100 - Left	BJL - 3/5/24 - 21:15	BJL - 3/6/24 - 5:15
BHS-12	WF	Room H100 - Right	BJL - 3/5/24 - 21:15	BJL - 3/6/24 - 5:15
BHS-13	S	Room H106 - North	BJL - 3/5/24 - 21:17	BJL - 3/6/24 - 5:17
BHS-14	S	Room H106 - West Left	BJL - 3/5/24 - 21:17	BJL - 3/6/24 - 5:17
BHS-15	S	Room H106 - West Right	BJL - 3/5/24 - 21:17	BJL - 3/6/24 - 5:17
BHS-16	S	Room H106 - East Left	BJL - 3/5/24 - 21:17	BJL - 3/6/24 - 5:17
BHS-17	S	Room H106 - East Right	BJL - 3/5/24 - 21:17	BJL - 3/6/24 - 5:17
BHS-18	S	Room H110 - South	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-19	S	Room H110 - West Left	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-20	S	Room H110 - West Left Center	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-21	S	Room H110 - West Center	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-22	S	Room H110 - West Right Center	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-23	S	Room H110 - West Right	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-24	S	Room H110 - North	BJL - 3/5/24 - 21:20	BJL - 3/6/24 - 5:20
BHS-25	S	Room H113	BJL - 3/5/24 - 21:25	BJL - 3/6/24 - 5:25

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: 7575 East St. Charles Road Columbia, Missouri
Building Name: Battle High School

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-26	ICE	Room H113	N/A	BJL - 3/6/24 - 5:25
BHS-27	S	Room H114 - North	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-28	S	Room H114 - East Left	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-29	S	Room H114 - East Left Center	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-30	S	Room H114 - East Center	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-31	S	Room H114 - Right Center	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-32	S	Room H114 - East Right	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-33	S	Room H114 - South	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-34	S	Room H114 - Teacher	BJL - 3/5/24 - 21:27	BJL - 3/6/24 - 5:27
BHS-35	WF	Room G100 - Left	BJL - 3/5/24 - 21:33	BJL - 3/6/24 - 5:33
BHS-36	WF	Room G100 - Right	BJL - 3/5/24 - 21:33	BJL - 3/6/24 - 5:33
BHS-37	S	Room G110 - South	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-38	S	Room G110 - West Left	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-39	S	Room G110 - West Left Center	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-40	S	Room G110 - West Center	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-41	S	Room G110 - West Right Center	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-42	S	Room G110 - West Right	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-43	S	Room G110 - North	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-44	S	Room G110 - Teacher	BJL - 3/5/24 - 21:35	BJL - 3/6/24 - 5:35
BHS-45	S	Room G112	BJL - 3/5/24 - 21:42	BJL - 3/6/24 - 5:42
BHS-46	S	Room G113 - North	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-47	S	Room G113 - East Left	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-48	S	Room G113 - East Left Center	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-49	S	Room G113 - East Center	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-50	S	Room G113 - East Right Center	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43

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: 7575 East St. Charles Road Columbia, Missouri
Building Name: Battle High School

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-51	S	Room G113 - East Right	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-52	S	Room G113 - South	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-53	S	Room G113 - Teacher	BJL - 3/5/24 - 21:43	BJL - 3/6/24 - 5:43
BHS-54	BF	Room F100	BJL - 3/5/24 - 21:48	BJL - 3/6/24 - 5:48
BHS-55	WF	Room F100 - Left	BJL - 3/5/24 - 21:48	BJL - 3/6/24 - 5:48
BHS-56	WF	Room F100 - Right	BJL - 3/5/24 - 21:48	BJL - 3/6/24 - 5:48
BHS-57	S	Room F110 - South	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-58	S	Room F110 - West Left	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-59	S	Room F110 - West Left Center	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-60	S	Room F110 - West Center	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-61	S	Room F110 - West Right Center	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-62	S	Room F110 - West Right	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-63	S	Room F110 - North	BJL - 3/5/24 - 21:50	BJL - 3/6/24 - 5:50
BHS-64	S	Room F113 - Pink	BJL - 3/5/24 - 21:56	BJL - 3/6/24 - 5:56
BHS-65	S	Room F113 - Gold	BJL - 3/5/24 - 21:56	BJL - 3/6/24 - 5:56
BHS-66	S	Room F113 - Green	BJL - 3/5/24 - 21:56	BJL - 3/6/24 - 5:56
BHS-67	S	Room F113 - Aqua	BJL - 3/5/24 - 21:56	BJL - 3/6/24 - 5:56
BHS-68	S	Room F113 - Blue	BJL - 3/5/24 - 21:56	BJL - 3/6/24 - 5:56
BHS-69	S	Room F113 - Purple	BJL - 3/5/24 - 21:56	BJL - 3/6/24 - 5:56
BHS-70	WF	Room D149 - Left	BJL - 3/5/24 - 22:00	BJL - 3/6/24 - 6:00
BHS-71	WF	Room D149 - Right	BJL - 3/5/24 - 22:00	BJL - 3/6/24 - 6:00
BHS-72	WF	Room D143 - Left	BJL - 3/5/24 - 22:03	BJL - 3/6/24 - 6:03
BHS-73	WF	Room D143 - Right	BJL - 3/5/24 - 22:03	BJL - 3/6/24 - 6:03
BHS-74	WF	Room D132 - Left	BJL - 3/5/24 - 22:07	BJL - 3/6/24 - 6:07
BHS-75	WF	Room D132 - Right	BJL - 3/5/24 - 22:07	BJL - 3/6/24 - 6:07

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: 7575 East St. Charles Road Columbia, Missouri
Building Name: Battle High School

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-76	S	Room D139	BJL - 3/5/24 - 22:08	BJL - 3/6/24 - 6:08
BHS-77	S	Room C113 - Left	BJL - 3/5/24 - 22:11	BJL - 3/6/24 - 6:11
BHS-78	S	Room C113 - Right	BJL - 3/5/24 - 22:11	BJL - 3/6/24 - 6:11
BHS-79	S	Room C107 - Left	BJL - 3/5/24 - 22:13	BJL - 3/6/24 - 6:13
BHS-80	S	Room C107 - Right	BJL - 3/5/24 - 22:13	BJL - 3/6/24 - 6:13
BHS-81	S	Room C106	BJL - 3/5/24 - 22:15	BJL - 3/6/24 - 6:15
BHS-82	ICE	Room C106	N/A	BJL - 3/6/24 - 6:15
BHS-83	S	Room B109 - Dish Wash	BJL - 3/5/24 - 22:21	BJL - 3/6/24 - 6:21
BHS-84	S	Room B109 - Food Prep	BJL - 3/5/24 - 22:21	BJL - 3/6/24 - 6:21
BHS-85	WF	Room B110/B111 - Left	BJL - 3/5/24 - 22:24	BJL - 3/6/24 - 6:24
BHS-86	WF	Room B110/B111 - Right	BJL - 3/5/24 - 22:24	BJL - 3/6/24 - 6:24
BHS-87	S	Room B105 - Left	BJL - 3/5/24 - 22:28	BJL - 3/6/24 - 6:28
BHS-88	S	Room B105 - Left Center	BJL - 3/5/24 - 22:28	BJL - 3/6/24 - 6:28
BHS-89	S	Room B105 - Right Center	BJL - 3/5/24 - 22:28	BJL - 3/6/24 - 6:28
BHS-90	S	Room B105 - Right	BJL - 3/5/24 - 22:28	BJL - 3/6/24 - 6:28
BHS-91	S	Room B101 - Left	BJL - 3/5/24 - 22:32	BJL - 3/6/24 - 6:32
BHS-92	S	Room B101 - Left Center	BJL - 3/5/24 - 22:32	BJL - 3/6/24 - 6:32
BHS-93	S	Room B101 - Right Center	BJL - 3/5/24 - 22:32	BJL - 3/6/24 - 6:32
BHS-94	S	Room B101 - Right	BJL - 3/5/24 - 22:32	BJL - 3/6/24 - 6:32
BHS-95	S	Room A105 - Left	BJL - 3/5/24 - 22:35	BJL - 3/6/24 - 6:35
BHS-96	S	Room A105 - Left Center	BJL - 3/5/24 - 22:35	BJL - 3/6/24 - 6:35
BHS-97	S	Room A105 - Right Center	BJL - 3/5/24 - 22:35	BJL - 3/6/24 - 6:35
BHS-98	S	Room A105 - Right	BJL - 3/5/24 - 22:35	BJL - 3/6/24 - 6:35
BHS-99	WF	Hallway at Room A115 - Left	BJL - 3/5/24 - 22:37	BJL - 3/6/24 - 6:37
BHS-100	WF	Hallway at Room A115 - Right	BJL - 3/5/24 - 22:37	BJL - 3/6/24 - 6:37

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Project Name: Columbia Public Schools Water Sampling and Reporting Services
Building Name: Battle High School
Project Number: J044517.01
Address: 7575 East St. Charles Road Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-101	S	Room A102 - Left	BJL - 3/5/24 - 22:39	BJL - 3/6/24 - 6:39
BHS-102	S	Room A102 - Left Center	BJL - 3/5/24 - 22:39	BJL - 3/6/24 - 6:39
BHS-103	S	Room A102 - Center	BJL - 3/5/24 - 22:39	BJL - 3/6/24 - 6:39
BHS-104	S	Room A102 - Right	BJL - 3/5/24 - 22:39	BJL - 3/6/24 - 6:39
BHS-105	S	Room A101 - North Left	BJL - 3/5/24 - 22:42	BJL - 3/6/24 - 6:42
BHS-106	S	Room A101 - North Right	BJL - 3/5/24 - 22:42	BJL - 3/6/24 - 6:42
BHS-107	S	Room A101 - East Left	BJL - 3/5/24 - 22:42	BJL - 3/6/24 - 6:42
BHS-108	S	Room A101 - East Right	BJL - 3/5/24 - 22:42	BJL - 3/6/24 - 6:42
BHS-109	WF	Room A126 - Left	BJL - 3/5/24 - 22:44	BJL - 3/6/24 - 6:44
BHS-110	WF	Room A126 - Right	BJL - 3/5/24 - 22:44	BJL - 3/6/24 - 6:44
BHS-111	S	Room A126	BJL - 3/5/24 - 22:44	BJL - 3/6/24 - 6:44
BHS-112	WF	Hallway at Room A149 - Left	BJL - 3/5/24 - 22:49	BJL - 3/6/24 - 6:49
BHS-113	WF	Hallway at Room A149 - Right	BJL - 3/5/24 - 22:49	BJL - 3/6/24 - 6:49
BHS-114	BF	Room A112	BJL - 3/5/24 - 22:51	BJL - 3/6/24 - 6:51
BHS-115	WF	Room A112 - Left	BJL - 3/5/24 - 22:51	BJL - 3/6/24 - 6:51
BHS-116	WF	Room A112 - Right	BJL - 3/5/24 - 22:51	BJL - 3/6/24 - 6:51
BHS-117	WF	Room D200 - Left	BJL - 3/5/24 - 22:55	BJL - 3/6/24 - 6:55
BHS-118	WF	Room D200 - Left Center	BJL - 3/5/24 - 22:55	BJL - 3/6/24 - 6:55
BHS-119	BF	Room D200	BJL - 3/5/24 - 22:55	BJL - 3/6/24 - 6:55
BHS-120	WF	Room D200 - Right Center	BJL - 3/5/24 - 22:55	BJL - 3/6/24 - 6:55
BHS-121	WF	Room D200 - Right	BJL - 3/5/24 - 22:55	BJL - 3/6/24 - 6:55
BHS-122	S	Room D237 - Food Prep East	BJL - 3/14/24 - 18:56	BJL - 3/15/24 - 3:43
BHS-123	S	Room D237 - Food Prep West	BJL - 3/14/24 - 18:56	BJL - 3/15/24 - 3:43
BHS-124	S	Room D237 - Dish Wash Left	BJL - 3/14/24 - 18:56	BJL - 3/15/24 - 3:43
BHS-125	S	Room D237 - Dish Wash Center	BJL - 3/14/24 - 18:56	BJL - 3/15/24 - 3:43

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Project Name: Columbia Public Schools Water Sampling and Reporting Services

Project Number: J044517.01

Address: 7575 East St. Charles Road Columbia, Missouri

Building Name: Battle High School

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-126	S	Room D237 Dish Wash Right	BJL - 3/14/24 - 18:56	BJL - 3/15/24 - 3:43
BHS-127	ICE	Room D237	BJL - 3/14/24 - 18:56	BJL - 3/15/24 - 3:43
BHS-128	HW	Room D231 - Hand Wash West	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-129	HW	Room D231 - Hand Wash East	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-130	S	Room D231 - Dish Rinse	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-131	S	Room D231 - Dish Wash Left	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-132	S	Room D231 - Dish Wash Right	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-133	S	Room D231 - Food Prep	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-134	S	Room D231 - Hot Table	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-135	ICE	Room D231	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-136	S	Room D231 - Eye Wash	BJL - 3/5/24 - 23:04	BJL - 3/6/24 - 7:04
BHS-137	S	Room D218	BJL - 3/5/24 - 23:07	BJL - 3/6/24 - 7:07
BHS-138	S	Room D220	BJL - 3/5/24 - 23:08	BJL - 3/6/24 - 7:08
BHS-139	ICE	Room D220	BJL - 3/5/24 - 23:08	BJL - 3/6/24 - 7:08
BHS-140	S	Room D221	BJL - 3/5/24 - 23:10	BJL - 3/6/24 - 7:10
BHS-141	S	Room D223	BJL - 3/5/24 - 23:10	BJL - 3/6/24 - 7:10
BHS-142	S	Room D227	BJL - 3/5/24 - 23:10	BJL - 3/6/24 - 7:10
BHS-143	S	Room D226	BJL - 3/5/24 - 23:10	BJL - 3/6/24 - 7:10
BHS-144	WF	Room F200 - Left	BJL - 3/5/24 - 23:14	BJL - 3/6/24 - 7:14
BHS-145	WF	Room F200 - Right	BJL - 3/5/24 - 23:14	BJL - 3/6/24 - 7:14
BHS-146	S	Room F215 - South	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-147	S	Room F215 - West Left	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-148	S	Room F215 - West Left Center	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-149	S	Room F215 - West Center	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-150	S	Room F215 - West Right Center	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15

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HW=Hand Washing

Project Name: Columbia Public Schools Water Sampling and Reporting Services
Project Number: J044517.01
Address: 7575 East St. Charles Road Columbia, Missouri
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Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-151	S	Room F215 - West Right	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-152	S	Room F215 - North	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-153	S	Room F215 - Teacher	BJL - 3/5/24 - 23:15	BJL - 3/6/24 - 7:15
BHS-154	S	Room F216	BJL - 3/5/24 - 23:18	BJL - 3/6/24 - 7:18
BHS-155	S	Room F218 - North	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-156	S	Room F218 - East Left	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-157	S	Room F218 - East Left Center	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-158	S	Room F218 - East Center	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-159	S	Room F218 - East Right Center	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-160	S	Room F218 - East Right	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-161	S	Room F218 - South	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-162	S	Room F218 - Teacher	BJL - 3/5/24 - 23:20	BJL - 3/6/24 - 7:20
BHS-163	BF	Room G200	BJL - 3/5/24 - 23:24	BJL - 3/6/24 - 7:24
BHS-164	WF	Room G200 - Left	BJL - 3/5/24 - 23:24	BJL - 3/6/24 - 7:24
BHS-165	WF	Room G200 - Right	BJL - 3/5/24 - 23:24	BJL - 3/6/24 - 7:24
BHS-166	S	Room G215 - South	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-167	S	Room G215 - West Left	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-168	S	Room G215 - West Left Center	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-169	S	Room G215 - West Center	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-170	S	Room G215 - West Right Center	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-171	S	Room G215 - West Right	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-172	S	Room G215 - North	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-173	S	Room G215 - Teacher	BJL - 3/5/24 - 23:26	BJL - 3/6/24 - 7:26
BHS-174	S	Room G216	BJL - 3/5/24 - 23:30	BJL - 3/6/24 - 7:30
BHS-175	S	Room G218 - North	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31

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Project Number: J044517.01
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Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-176	S	Room G218 - East Left	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-177	S	Room G218 - East Left Center	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-178	S	Room G218 - East Center	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-179	S	Room G218 - Right Center	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-180	S	Room G218 - East Right	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-181	S	Room G218 - South	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-182	S	Room G218 - Teacher	BJL - 3/5/24 - 23:31	BJL - 3/6/24 - 7:31
BHS-183	WF	Room H200 - Left	BJL - 3/5/24 - 23:35	BJL - 3/6/24 - 7:35
BHS-184	WF	Room H200 - Right	BJL - 3/5/24 - 23:35	BJL - 3/6/24 - 7:35
BHS-185	S	Room H215 - South	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-186	S	Room H215 - West Left	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-187	S	Room H215 - West Left Center	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-188	S	Room H215 - West Center	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-189	S	Room H215 - West Right Center	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-190	S	Room H215 - West Right	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-191	S	Room H215 - North	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-192	S	Room H215 - Teacher	BJL - 3/5/24 - 23:37	BJL - 3/6/24 - 7:37
BHS-193	S	Room H216	BJL - 3/5/24 - 23:40	BJL - 3/6/24 - 7:40
BHS-194	S	Room H218 - North	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-195	S	Room H218 - East Left	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-196	S	Room H218 - East Left Center	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-197	S	Room H218 - East Center	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-198	S	Room H218 - East Right Center	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-199	S	Room H218 - East Right	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-200	S	Room H218 - South	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42

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Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-201	S	Room H218 - Teacher	BJL - 3/5/24 - 23:42	BJL - 3/6/24 - 7:42
BHS-202	BF	Hallway at Room J202	BJL - 3/5/24 - 23:48	BJL - 3/6/24 - 7:48
BHS-203	WF	Hallway at Room J202 - Left	BJL - 3/5/24 - 23:48	BJL - 3/6/24 - 7:48
BHS-204	WF	Hallway at Room J202 - Right	BJL - 3/5/24 - 23:48	BJL - 3/6/24 - 7:48
BHS-205	S	Room J215 - South	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-206	S	Room J215 - West Left	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-207	S	Room J215 - West Left Center	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-208	S	Room J215 - West Center	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-209	S	Room J215 - West Right Center	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-210	S	Room J215 - West Right	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-211	S	Room J215 - North	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-212	S	Room J215 - Teacher	BJL - 3/5/24 - 23:51	BJL - 3/6/24 - 7:51
BHS-213	S	Room J216	BJL - 3/5/24 - 23:55	BJL - 3/6/24 - 7:55
BHS-214	S	Room J218 - North	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-215	S	Room J218 - East Left	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-216	S	Room J218 - East Left Center	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-217	S	Room J218 - East Center	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-218	S	Room J218 - East Right Center	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-219	S	Room J218 - East Right	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-220	S	Room J218 - South	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-221	S	Room J218 - Teacher	BJL - 3/5/24 - 23:57	BJL - 3/6/24 - 7:57
BHS-83-2	S	Room B109 - Dish Wash	N/A*	BJL - 6/26/24 - 9:10
BHS-122-2	S	Room D237 - Food Prep East	BJL - 6/26/24 - 1:20	BJL - 6/26/24 - 9:20
BHS-125-2	S	Room D237 - Dish Wash Center	BJL - 6/26/24 - 1:20	BJL - 6/26/24 - 9:20
BHS-126-2	S	Room D237 Dish Wash - Right	BJL - 6/26/24 - 1:20	BJL - 6/26/24 - 9:20

BF=Bottle Filling FW=Filtered Water S=Classroom/Other Sink
B=Bubbler ICE=Ice Machine WF=Water Fountain
*Outlet was not made available for flushing prior to sampling.

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Address: 7575 East St. Charles Road Columbia, Missouri

Building Name: Battle High School

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
BHS-130-2	S	Room D231 - Dish Rinse	BJL - 6/26/24 - 1:26	BJL - 6/26/24 - 9:26
BHS-222	WF	Exterior - Press Box Left	BJL - 6/26/24 - 1:30	BJL - 6/26/24 - 9:30
BHS-223	WF	Exterior - Press Box Left Center	BJL - 6/26/24 - 1:30	BJL - 6/26/24 - 9:30
BHS-224	WF	Exterior - Press Box Right Center	BJL - 6/26/24 - 1:30	BJL - 6/26/24 - 9:30
BHS-225	WF	Exterior - Press Box Right	BJL - 6/26/24 - 1:30	BJL - 6/26/24 - 9:30
BHS-226	WF	Exterior - Softball Left	N/A*	BJL - 6/26/24 - 9:15
BHS-227	WF	Exterior - Softball Right	N/A*	BJL - 6/26/24 - 9:15

BF=Bottle Filling FW=Filtered Water S=Classroom/Other Sink

B=Bubbler ICE=Ice Machine WF=Water Fountain

*Outlet was not made available for flushing prior to sampling.

APPENDIX C

DRINKING WATER LABORATORY DATA SHEETS

March 28, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044517.01 **WorkOrder:** 24030694

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 3/8/2024 4:11:00 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,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24030694
Client Project: J044517.01
Report Date: 28-Mar-24

This reporting package includes the following:

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

Client: Geotechnology, Inc. **Work Order:** 24030694

Client Project: J044517.01 **Report Date:** 28-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: 24030694

Client Project: J044517.01
Report Date: 28-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: 24030694
Report Date: 28-Mar-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Geotechnology, Inc. **Work Order:** 24030694

Client Project: J044517.01 **Report Date:** 28-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	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:** 24030694

Client Project: J044517.01 **Report Date:** 28-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									
24030694-001A	SMS-05	NELAP		1.0	< 1.0	µg/L	1	03/27/2024 11:59	03/06/2024 3:32
24030694-002A	CACC-16	NELAP		1.0	1.9	µg/L	1	03/27/2024 12:03	03/06/2024 3:52
24030694-003A	JMS-05	NELAP		1.0	< 1.0	µg/L	1	03/27/2024 12:06	03/06/2024 4:12
24030694-004A	JMS-44	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 9:52	03/06/2024 4:16
24030694-005A	JMS-48	NELAP		1.0	1.7	µg/L	1	03/19/2024 9:56	03/06/2024 4:18
24030694-006A	JMS-49	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 9:59	03/06/2024 4:20
24030694-007A	BHS-01	NELAP		1.0	3.8	µg/L	1	03/19/2024 10:03	03/06/2024 4:46
24030694-008A	BHS-02	NELAP		1.0	1.2	µg/L	1	03/19/2024 10:07	03/06/2024 4:48
24030694-009A	BHS-03	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 10:18	03/06/2024 4:51
24030694-010A	BHS-04	NELAP		1.0	1.2	µg/L	1	03/21/2024 14:06	03/06/2024 4:55
24030694-011A	BHS-05	NELAP		1.0	1.2	µg/L	1	03/19/2024 10:28	03/06/2024 5:00
24030694-012A	BHS-06	NELAP		1.0	1.4	µg/L	1	03/19/2024 10:59	03/06/2024 5:00
24030694-013A	BHS-07	NELAP		1.0	11.4	µg/L	1	03/19/2024 11:03	03/06/2024 5:06
24030694-014A	BHS-08	NELAP		1.0	5.0	µg/L	1	03/19/2024 11:08	03/06/2024 5:10
24030694-015A	BHS-09	NELAP		1.0	3.8	µg/L	1	03/19/2024 11:11	03/06/2024 5:12
24030694-016A	BHS-10	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 11:16	03/06/2024 5:15
24030694-017A	BHS-11	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 11:19	03/06/2024 5:15
24030694-018A	BHS-12	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 11:23	03/06/2024 5:15
24030694-019A	BHS-13	NELAP		1.0	5.0	µg/L	1	03/19/2024 11:34	03/06/2024 5:17
24030694-020A	BHS-14	NELAP		1.0	13.1	µg/L	1	03/19/2024 11:49	03/06/2024 5:17
24030694-021A	BHS-15	NELAP		1.0	9.9	µg/L	1	03/19/2024 11:52	03/06/2024 5:17
24030694-022A	BHS-16	NELAP		1.0	14.4	µg/L	1	03/19/2024 11:56	03/06/2024 5:17
24030694-023A	BHS-17	NELAP		1.0	25.9	µg/L	1	03/19/2024 12:00	03/06/2024 5:17
24030694-024A	BHS-18	NELAP		1.0	5.2	µg/L	1	03/19/2024 12:03	03/06/2024 5:20
24030694-025A	BHS-19	NELAP		1.0	9.4	µg/L	1	03/21/2024 14:10	03/06/2024 5:20
24030694-026A	BHS-20	NELAP		1.0	17.1	µg/L	1	03/19/2024 12:11	03/06/2024 5:20
24030694-027A	BHS-21	NELAP		1.0	16.4	µg/L	1	03/19/2024 12:14	03/06/2024 5:20
24030694-028A	BHS-22	NELAP		1.0	14.6	µg/L	1	03/21/2024 14:13	03/06/2024 5:20
24030694-029A	BHS-23	NELAP		1.0	26.8	µg/L	1	03/19/2024 12:40	03/06/2024 5:20
24030694-030A	BHS-24	NELAP		1.0	8.1	µg/L	1	03/19/2024 12:44	03/06/2024 5:20
24030694-031A	BHS-25	NELAP		1.0	3.5	µg/L	1	03/19/2024 12:47	03/06/2024 5:25
24030694-032A	BHS-26	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 12:51	03/06/2024 5:25
24030694-033A	BHS-27	NELAP		1.0	6.5	µg/L	1	03/19/2024 12:55	03/06/2024 5:27
24030694-034A	BHS-28	NELAP		1.0	9.3	µg/L	1	03/19/2024 12:58	03/06/2024 5:27
24030694-035A	BHS-29	NELAP		1.0	7.3	µg/L	1	03/19/2024 13:02	03/06/2024 5:27
24030694-036A	BHS-30	NELAP		1.0	8.1	µg/L	1	03/19/2024 13:06	03/06/2024 5:27
24030694-037A	BHS-31	NELAP		1.0	9.3	µg/L	1	03/19/2024 13:09	03/06/2024 5:27
24030694-038A	BHS-32	NELAP		1.0	5.7	µg/L	1	03/19/2024 13:24	03/06/2024 5:27
24030694-039A	BHS-33	NELAP		1.0	12.5	µg/L	1	03/19/2024 13:35	03/06/2024 5:27
24030694-040A	BHS-34	NELAP		1.0	24.1	µg/L	1	03/19/2024 13:39	03/06/2024 5:27
24030694-041A	BHS-35	NELAP		1.0	1.2	µg/L	1	03/19/2024 13:42	03/06/2024 5:33
24030694-042A	BHS-36	NELAP		1.0	1.0	µg/L	1	03/19/2024 13:46	03/06/2024 5:33
24030694-043A	BHS-37	NELAP		1.0	6.6	µg/L	1	03/19/2024 13:50	03/06/2024 5:35
24030694-044A	BHS-38	NELAP		1.0	5.1	µg/L	1	03/23/2024 3:48	03/06/2024 5:35
24030694-045A	BHS-39	NELAP		1.0	5.8	µg/L	1	03/19/2024 17:48	03/06/2024 5:35
24030694-046A	BHS-40	NELAP		1.0	6.0	µg/L	1	03/19/2024 17:51	03/06/2024 5:35
24030694-047A	BHS-41	NELAP		1.0	4.5	µg/L	1	03/19/2024 17:55	03/06/2024 5:35
24030694-048A	BHS-42	NELAP		1.0	5.9	µg/L	1	03/19/2024 18:10	03/06/2024 5:35

Client: Geotechnology, Inc.
Work Order: 24030694
Client Project: J044517.01
Report Date: 28-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									
24030694-049A	BHS-43	NELAP		1.0	**4.6**	µg/L	1	03/19/2024 18:21	03/06/2024 5:35
24030694-050A	BHS-44	NELAP		1.0	**5.7**	µg/L	1	03/19/2024 18:24	03/06/2024 5:35
24030694-051A	BHS-45	NELAP		1.0	**5.3**	µg/L	1	03/19/2024 18:28	03/06/2024 5:42
24030694-052A	BHS-46	NELAP		1.0	**9.2**	µg/L	1	03/19/2024 18:32	03/06/2024 5:43
24030694-053A	BHS-47	NELAP		1.0	**8.3**	µg/L	1	03/19/2024 18:35	03/06/2024 5:43
24030694-054A	BHS-48	NELAP		1.0	**5.7**	µg/L	1	03/19/2024 18:39	03/06/2024 5:43
24030694-055A	BHS-49	NELAP		1.0	**9.6**	µg/L	1	03/19/2024 18:43	03/06/2024 5:43
24030694-056A	BHS-50	NELAP		1.0	**7.3**	µg/L	1	03/19/2024 18:57	03/06/2024 5:43
24030694-057A	BHS-51	NELAP		1.0	**4.7**	µg/L	1	03/19/2024 19:01	03/06/2024 5:43
24030694-058A	BHS-52	NELAP		1.0	**10.6**	µg/L	1	03/21/2024 14:35	03/06/2024 5:43
24030694-059A	BHS-53	NELAP		1.0	**9.2**	µg/L	1	03/21/2024 14:46	03/06/2024 5:43
24030694-060A	BHS-54	NELAP		1.0	**< 1.0**	µg/L	1	03/19/2024 19:19	03/06/2024 5:48

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24030694
Client Project: J044517.01
Report Date: 28-Mar-24

Carrier: John Duarte
Received By: WAO

Completed by: Nick Reed
On: 08-Mar-24

Reviewed by: Ellie Hopkins
On: 11-Mar-24

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

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

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

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

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - ehopkins - 3/11/2024 9:56:33 AM

CHAIN OF CUSTODY

pg. 1 of 23 Work order # 24030694

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: COURIER

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
24030694-001	SMS-05	3/6/24 3:32	1									X					X
-002	CACC-16	3:52	1									X					X
-003	JMS-05	4:12	1									X					X
-004	" -44	4:16	1									X					X
-005	" 48	4:18	1									X					X
-006	" 49	4:20	1									X					X
-007	BHS 01	4:46	1									X					X
-008	" 02	4:48	1									X					X
-009	" 03	4:51	1									X					X
-010	" 04	4:55	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/8/24 1350		3/8/24 1350
	3/8/24 1611		3/8/24 1611

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. 2 of 23 Work order # 2403069 4

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
2403069 4-001	BHS 05	3/6/24 5:00	1									X					X
-012	06	"	1									X					X
-013	07	5:06	1									X					X
-014	08	5:10	1									X					X
-015	09	5:12	1									X					X
-016	10	5:15	1									X					X
-017	11	"	1									X					X
-018	12	"	1									X					X
-019	13	5:17	1									X					X
-020	14	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/8/24 1350		3/8/24 1350
	3/8/24 1611		3/8/24 1611

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. 3 of 23 Work order # 2403 0694

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
2403 0694-02	BHS 15	3/6/24 5:17	1									X					X
-022	16	"	1									X					X
-023	17	"	1									X					X
-024	18	5:20	1									X					X
-025	19		1									X					X
-026	20		1									X					X
-027	21		1									X					X
-028	22		1									X					X
-029	23		1									X					X
-030	24	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/8/24 1350		3/8/24 1350
	3/8/24 1611		3/8/24 1611

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. 4 of 23 Work order # 24030694

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
24030694-031	BHS 25	3/6/24 5:25	1									X					X
-032	26	"	1									X					X
-033	27	5:27	1									X					X
-034	28		1									X					X
-035	29		1									X					X
-036	30		1									X					X
-037	31		1									X					X
-038	32		1									X					X
-039	33		1									X					X
-040	34	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/8/24 1350		3/8/24 1350
	3/8/24 1611		3/8/24 1611

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BottleOrder: 80481

2403094

CHAIN OF CUSTODY

pg. 5 of 23 Work order # ~~2403094~~ TE

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
2403094-041	BHS-35	3/6/24 5:33	1									X					X
-042	36	"	1									X					X
-043	37	5:35	1									X					X
-044	38		1									X					X
-045	39		1									X					X
-046	40		1									X					X
-047	41		1									X					X
-048	42		1									X					X
-049	43		1									X					X
-050	44	" "	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Brad Lohrum	3/8/24 1350	Walter Darnell	3/8/24 1350
Walter Darnell	3/8/24 1611	Whitney Arup	3/8/24 1611

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. 6 of 23 Work order # 24030694

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
24030694-045	BHS-45	3/6/24 5:42	1									X					X
-052	46	5:43	1									X					X
-053	47		1									X					X
-054	48		1									X					X
-055	49		1									X					X
-056	50		1									X					X
-057	51		1									X					X
-058	52		1									X					X
-059	53		1									X					X
-060	54	5:48	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/8/24 1350		3/8/24 1350
	3/8/24 1611		3/8/24 1611

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

April 01, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044517.01 **WorkOrder:** 24030696

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 3/8/2024 4:11:00 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

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24030696
Client Project: J044517.01
Report Date: 01-Apr-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

Client: Geotechnology, Inc. **Work Order:** 24030696

Client Project: J044517.01 **Report Date:** 01-Apr-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: 24030696

Client Project: J044517.01
Report Date: 01-Apr-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: 24030696
Report Date: 01-Apr-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:** 24030696

Client Project: J044517.01 **Report Date:** 01-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	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:** 24030696

Client Project: J044517.01 **Report Date:** 01-Apr-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									
24030696-001A	BHS-55	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 19:23	03/06/2024 5:48
24030696-002A	BHS-56	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 19:27	03/06/2024 5:48
24030696-003A	BHS-57	NELAP		1.0	9.7	µg/L	1	03/19/2024 19:30	03/06/2024 5:50
24030696-004A	BHS-58	NELAP		1.0	4.1	µg/L	1	03/19/2024 19:45	03/06/2024 5:50
24030696-005A	BHS-59	NELAP		1.0	7.9	µg/L	1	03/19/2024 19:49	03/06/2024 5:50
24030696-006A	BHS-60	NELAP		1.0	5.8	µg/L	1	03/19/2024 19:52	03/06/2024 5:50
24030696-007A	BHS-61	NELAP		1.0	6.9	µg/L	1	03/19/2024 19:56	03/06/2024 5:50
24030696-008A	BHS-62	NELAP		1.0	5.1	µg/L	1	03/19/2024 20:00	03/06/2024 5:50
24030696-009A	BHS-63	NELAP		1.0	3.7	µg/L	1	03/19/2024 20:11	03/06/2024 5:50
24030696-010A	BHS-64	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 20:14	03/06/2024 5:56
24030696-011A	BHS-65	NELAP		1.0	1.2	µg/L	1	03/19/2024 20:18	03/06/2024 5:56
24030696-012A	BHS-66	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 20:33	03/06/2024 5:56
24030696-013A	BHS-67	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 20:36	03/06/2024 5:56
24030696-014A	BHS-68	NELAP		1.0	2.6	µg/L	1	03/19/2024 20:40	03/06/2024 5:56
24030696-015A	BHS-69	NELAP		1.0	1.2	µg/L	1	03/19/2024 20:44	03/06/2024 5:56
24030696-016A	BHS-70	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 20:47	03/06/2024 6:00
24030696-017A	BHS-71	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 20:51	03/06/2024 6:00
24030696-018A	BHS-72	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 20:55	03/06/2024 6:03
24030696-019A	BHS-73	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 21:13	03/06/2024 6:03
24030696-019A	BHS-73	NELAP		1.0	1.4	µg/L	1	03/21/2024 14:50	03/06/2024 6:03
24030696-020A	BHS-74	NELAP		1.0	< 1.0	µg/L	1	03/28/2024 21:58	03/06/2024 6:07
24030696-021A	BHS-75	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 21:31	03/06/2024 6:07
24030696-022A	BHS-76	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 21:35	03/06/2024 6:08
24030696-023A	BHS-77	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 21:39	03/06/2024 6:11
24030696-024A	BHS-78	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 13:53	03/06/2024 6:11
24030696-025A	BHS-79	NELAP		1.0	1.5	µg/L	1	03/19/2024 13:57	03/06/2024 6:13
24030696-026A	BHS-80	NELAP		1.0	1.5	µg/L	1	03/19/2024 14:12	03/06/2024 6:13
24030696-027A	BHS-81	NELAP		1.0	9.0	µg/L	1	03/19/2024 14:15	03/06/2024 6:15
24030696-028A	BHS-82	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 14:19	03/06/2024 6:15
24030696-029A	BHS-83	NELAP		1.0	11.9	µg/L	1	03/19/2024 14:30	03/06/2024 6:21
24030696-030A	BHS-84	NELAP		1.0	2.2	µg/L	1	03/19/2024 14:34	03/06/2024 6:21
24030696-031A	BHS-85	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 14:37	03/06/2024 6:24
24030696-032A	BHS-86	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 14:41	03/06/2024 6:24
24030696-033A	BHS-87	NELAP		1.0	4.2	µg/L	1	03/19/2024 14:45	03/06/2024 6:28
24030696-034A	BHS-88	NELAP		1.0	2.5	µg/L	1	03/19/2024 14:59	03/06/2024 6:28
24030696-035A	BHS-89	NELAP		1.0	3.3	µg/L	1	03/19/2024 15:03	03/06/2024 6:28
24030696-036A	BHS-90	NELAP		1.0	3.5	µg/L	1	03/19/2024 15:07	03/06/2024 6:28
24030696-037A	BHS-91	NELAP		1.0	4.2	µg/L	1	03/19/2024 15:10	03/06/2024 6:32
24030696-038A	BHS-92	NELAP		1.0	2.6	µg/L	1	03/19/2024 15:14	03/06/2024 6:32
24030696-039A	BHS-93	NELAP		1.0	3.5	µg/L	1	03/19/2024 15:25	03/06/2024 6:32
24030696-040A	BHS-94	NELAP		1.0	2.8	µg/L	1	03/19/2024 15:29	03/06/2024 6:32
24030696-041A	BHS-95	NELAP		1.0	4.8	µg/L	1	03/19/2024 15:32	03/06/2024 6:35
24030696-042A	BHS-96	NELAP		1.0	4.4	µg/L	1	03/19/2024 15:47	03/06/2024 6:35
24030696-043A	BHS-97	NELAP		1.0	4.6	µg/L	1	03/19/2024 15:51	03/06/2024 6:35
24030696-044A	BHS-98	NELAP		1.0	3.7	µg/L	1	03/19/2024 15:54	03/06/2024 6:35
24030696-045A	BHS-99	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 15:58	03/06/2024 6:37
24030696-046A	BHS-100	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 16:02	03/06/2024 6:37
24030696-047A	BHS-101	NELAP		1.0	5.6	µg/L	1	03/19/2024 16:05	03/06/2024 6:39

Client: Geotechnology, Inc.
Work Order: 24030696
Client Project: J044517.01
Report Date: 01-Apr-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									
24030696-048A	BHS-102	NELAP		1.0	**3.3**	µg/L	1	03/19/2024 16:09	03/06/2024 6:39
24030696-049A	BHS-103	NELAP		1.0	**3.0**	µg/L	1	03/19/2024 16:20	03/06/2024 6:39
24030696-050A	BHS-104	NELAP		1.0	**4.9**	µg/L	1	03/19/2024 16:35	03/06/2024 6:39
24030696-051A	BHS-105	NELAP		1.0	**4.6**	µg/L	1	03/19/2024 16:38	03/06/2024 6:42
24030696-052A	BHS-106	NELAP		1.0	**5.0**	µg/L	1	03/19/2024 16:42	03/06/2024 6:42
24030696-053A	BHS-107	NELAP		1.0	**9.0**	µg/L	1	03/19/2024 16:46	03/06/2024 6:42
24030696-054A	BHS-108	NELAP		1.0	**3.3**	µg/L	1	03/19/2024 16:49	03/06/2024 6:42
24030696-055A	BHS-109	NELAP		1.0	**1.5**	µg/L	1	03/19/2024 16:53	03/06/2024 6:44
24030696-056A	BHS-110	NELAP		1.0	**1.4**	µg/L	1	03/19/2024 16:57	03/06/2024 6:44
24030696-057A	BHS-111	NELAP		1.0	**5.2**	µg/L	1	03/19/2024 17:00	03/06/2024 6:44
24030696-058A	BHS-112	NELAP		1.0	**< 1.0**	µg/L	1	03/19/2024 17:04	03/06/2024 6:49
24030696-059A	BHS-113	NELAP		1.0	**< 1.0**	µg/L	1	03/19/2024 17:26	03/06/2024 6:49
24030696-060A	BHS-114	NELAP		1.0	**< 1.0**	µg/L	1	03/19/2024 17:29	03/06/2024 6:51

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24030696
Client Project: J044517.01
Report Date: 01-Apr-24

Carrier: John Duarte
Received By: WAO

Completed by: Lindsey Maddox
On: 08-Mar-24

Reviewed by: Ellie Hopkins
On: 11-Mar-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.

24080696

CHAIN OF CUSTODY

pg. 7 of 23 Work order # ~~24080694~~ TE 3/8

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

Lab Notes

FOR LAB USE ONLY

Client Comments:

COURIER

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
24080696001	BHS-55	3/6/24 5:48	1									X					X
002	56	"	1									X					X
003	57	5:50	1									X					X
004	58		1									X					X
005	59		1									X					X
006	60		1									X					X
007	61		1									X					X
008	62		1									X					X
009	63	"	1									X					X
010	64	5:56	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/8/24 1350		3/8/24 1350
	3/8/24 1611		3/8/24 1611

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

24030696

CHAIN OF CUSTODY

pg. 8 of 23 Work order # ~~24030696~~ TF 3/8

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
24030696001	BHS-65	3/6/24 5:56	1									X					X
-012	66	〃	1									X					X
-013	67	〃	1									X					X
-014	68	〃	1									X					X
-015	69	〃	1									X					X
-016	70	6:00	1									X					X
-017	71	〃	1									X					X
-018	72	6:03	1									X					X
-019	73	〃	1									X					X
-020	74	6:07	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1614	[signature]	3/8/24 1611

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

24030696

CHAIN OF CUSTODY

pg. 9 of 23 Work order # 24030696 ~~24030694~~ ITE 3/8

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
24030696-021	BHS-75	3/6/24 6:07	1									X					X
-022	76	6:08	1									X					X
-023	77	6:11	1									X					X
-024	78	"	1									X					X
-025	79	6:13	1									X					X
-026	80	"	1									X					X
-027	81	6:15	1									X					X
-028	82	"	1									X					X
-029	83	6:21	1									X					X
-030	" 84	" "	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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. 10 of 23 Work order # ~~2403064~~ 24030696 TE 3/8

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	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8
24030696-031	BHS-85	3/6/24 6:24	1									X					X
-032	86	+	1									X					X
-033	87	6:28	1									X					X
-034	88		1									X					X
-035	89		1									X					X
-036	90		1									X					X
-037	91	6:32	1									X					X
-038	92		1									X					X
-039	93		1									X					X
-040	94		1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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BottleOrder: 80481

CHAIN OF CUSTODY

pg. 11 of 23 Work order # ~~24030694~~ 24030696

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: J044517.01
Sample Collector's Name: 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	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8
24030696-041	BHS-95	3/6/24 6:35	1									X					X
-042	96		1									X					X
-043	97		1									X					X
-044	98		1									X					X
-045	99	6:37	1									X					X
-046	100		1									X					X
-047	101	6:39	1									X					X
-048	102		1									X					X
-049	103		1									X					X
-050	104		1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

BottleOrder: 80481

CHAIN OF CUSTODY

 Work order# ~~24030694~~ 24030696 (on TE 3/8)

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

MATRIX / INDICATE ANALYSIS REQUESTED

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8
24030696-051	BHS-105	3/6/24 6:42	1									X					X
-052	106		1									X					X
-053	107		1									X					X
-054	108		1									X					X
-055	109	6:44	1									X					X
-056	110		1									X					X
-057	111		1									X					X
-058	112	6:49	1									X					X
-059	113		1									X					X
-060	114	6:51	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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BottleOrder: 80481

March 28, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044517.01 **WorkOrder:** 24030697

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 3/8/2024 4:11:00 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,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24030697
Client Project: J044517.01
Report Date: 28-Mar-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

Client: Geotechnology, Inc. **Work Order:** 24030697

Client Project: J044517.01 **Report Date:** 28-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: 24030697

Client Project: J044517.01
Report Date: 28-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: 24030697
Report Date: 28-Mar-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Geotechnology, Inc. **Work Order:** 24030697

Client Project: J044517.01 **Report Date:** 28-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	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:** 24030697

Client Project: J044517.01 **Report Date:** 28-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									
24030697-001A	BHS-115	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 17:33	03/06/2024 6:51
24030697-002A	BHS-116	NELAP		1.0	< 1.0	µg/L	1	03/19/2024 17:37	03/06/2024 6:51
24030697-003A	BHS-117	NELAP		1.0	1.1	µg/L	1	03/19/2024 17:40	03/06/2024 6:55
24030697-004A	BHS-118	NELAP		1.0	1.1	µg/L	1	03/23/2024 5:59	03/06/2024 6:55
24030697-005A	BHS-119	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 6:03	03/06/2024 6:55
24030697-006A	BHS-120	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 6:06	03/06/2024 6:55
24030697-007A	BHS-121	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 6:10	03/06/2024 6:55
24030697-008A	BHS-128	NELAP		1.0	4.2	µg/L	1	03/23/2024 6:14	03/06/2024 7:04
24030697-009A	BHS-129	NELAP		1.0	1.4	µg/L	1	03/23/2024 6:25	03/06/2024 7:04
24030697-010A	BHS-130	NELAP		5.0	8.1	µg/L	10	03/23/2024 6:40	03/06/2024 7:04
24030697-011A	BHS-131	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 6:44	03/06/2024 7:04
24030697-012A	BHS-132	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 6:48	03/06/2024 7:04
24030697-013A	BHS-133	NELAP		1.0	1.0	µg/L	1	03/23/2024 6:51	03/06/2024 7:04
24030697-014A	BHS-134	NELAP		1.0	2.7	µg/L	1	03/23/2024 6:55	03/06/2024 7:04
24030697-015A	BHS-135	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 6:59	03/06/2024 7:04
24030697-016A	BHS-136	NELAP		1.0	35.7	µg/L	1	03/23/2024 7:03	03/06/2024 7:04
24030697-017A	BHS-137	NELAP		1.0	1.0	µg/L	5	03/22/2024 23:07	03/06/2024 7:07
24030697-018A	BHS-138	NELAP		1.0	1.5	µg/L	5	03/23/2024 0:00	03/06/2024 7:08
24030697-019A	BHS-139	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 7:06	03/06/2024 7:08
24030697-020A	BHS-140	NELAP		1.0	2.5	µg/L	1	03/27/2024 12:17	03/06/2024 7:10
24030697-021A	BHS-141	NELAP		1.0	< 1.0	µg/L	1	03/23/2024 7:33	03/06/2024 7:10
24030697-022A	BHS-142	NELAP		1.0	7.8	µg/L	1	03/23/2024 7:36	03/06/2024 7:10
24030697-023A	BHS-143	NELAP		1.0	10.0	µg/L	5	03/25/2024 12:34	03/06/2024 7:10
24030697-024A	BHS-144	NELAP		1.0	< 1.0	µg/L	1	03/20/2024 9:22	03/06/2024 7:14
24030697-025A	BHS-145	NELAP		1.0	< 1.0	µg/L	1	03/20/2024 9:25	03/06/2024 7:14
24030697-026A	BHS-146	NELAP		1.0	7.5	µg/L	1	03/20/2024 9:29	03/06/2024 7:15
24030697-027A	BHS-147	NELAP		1.0	7.5	µg/L	1	03/20/2024 9:33	03/06/2024 7:15
24030697-028A	BHS-148	NELAP		1.0	6.5	µg/L	1	03/20/2024 9:36	03/06/2024 7:15
24030697-029A	BHS-149	NELAP		1.0	6.9	µg/L	1	03/20/2024 9:47	03/06/2024 7:15
24030697-030A	BHS-150	NELAP		1.0	7.5	µg/L	1	03/20/2024 9:51	03/06/2024 7:15
24030697-031A	BHS-151	NELAP		1.0	7.8	µg/L	1	03/20/2024 9:54	03/06/2024 7:15
24030697-032A	BHS-152	NELAP		1.0	5.8	µg/L	1	03/20/2024 10:09	03/06/2024 7:15
24030697-033A	BHS-153	NELAP		1.0	9.1	µg/L	1	03/20/2024 10:13	03/06/2024 7:15
24030697-034A	BHS-154	NELAP		1.0	9.8	µg/L	1	03/20/2024 10:16	03/06/2024 7:18
24030697-035A	BHS-155	NELAP		1.0	6.9	µg/L	1	03/20/2024 10:20	03/06/2024 7:20
24030697-036A	BHS-156	NELAP		1.0	10.7	µg/L	1	03/20/2024 10:24	03/06/2024 7:20
24030697-037A	BHS-157	NELAP		1.0	12.9	µg/L	1	03/20/2024 10:27	03/06/2024 7:20
24030697-038A	BHS-158	NELAP		1.0	9.0	µg/L	1	03/26/2024 19:02	03/06/2024 7:20
24030697-039A	BHS-159	NELAP		1.0	9.8	µg/L	1	03/20/2024 10:42	03/06/2024 7:20
24030697-040A	BHS-160	NELAP		1.0	5.7	µg/L	1	03/20/2024 10:57	03/06/2024 7:20
24030697-041A	BHS-161	NELAP		1.0	3.9	µg/L	1	03/20/2024 11:01	03/06/2024 7:20
24030697-042A	BHS-162	NELAP		1.0	68.8	µg/L	5	03/25/2024 12:22	03/06/2024 7:20
24030697-043A	BHS-163	NELAP		1.0	< 1.0	µg/L	1	03/20/2024 11:04	03/06/2024 7:24
24030697-044A	BHS-164	NELAP		1.0	< 1.0	µg/L	1	03/20/2024 11:08	03/06/2024 7:24
24030697-045A	BHS-165	NELAP		1.0	< 1.0	µg/L	1	03/20/2024 11:11	03/06/2024 7:24
24030697-046A	BHS-166	NELAP		1.0	7.0	µg/L	1	03/20/2024 11:15	03/06/2024 7:26
24030697-047A	BHS-167	NELAP		1.0	17.0	µg/L	1	03/20/2024 11:19	03/06/2024 7:26
24030697-048A	BHS-168	NELAP		1.0	7.9	µg/L	1	03/20/2024 11:22	03/06/2024 7:26

Client: Geotechnology, Inc. **Work Order:** 24030697

Client Project: J044517.01 **Report Date:** 28-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									
24030697-049A	BHS-169	NELAP		1.0	**10.6**	µg/L	1	03/20/2024 11:45	03/06/2024 7:26
24030697-050A	BHS-170	NELAP		1.0	**8.5**	µg/L	1	03/20/2024 11:57	03/06/2024 7:26
24030697-051A	BHS-171	NELAP		1.0	**16.6**	µg/L	1	03/26/2024 19:13	03/06/2024 7:26
24030697-052A	BHS-172	NELAP		1.0	**10.7**	µg/L	1	03/20/2024 12:04	03/06/2024 7:26
24030697-053A	BHS-173	NELAP		1.0	**8.8**	µg/L	1	03/20/2024 12:08	03/06/2024 7:26
24030697-054A	BHS-174	NELAP		1.0	**4.2**	µg/L	1	03/20/2024 12:11	03/06/2024 7:30
24030697-055A	BHS-175	NELAP		1.0	**5.3**	µg/L	1	03/20/2024 12:15	03/06/2024 7:31
24030697-056A	BHS-176	NELAP		1.0	**7.6**	µg/L	1	03/20/2024 12:19	03/06/2024 7:31
24030697-057A	BHS-177	NELAP		1.0	**7.6**	µg/L	1	03/20/2024 12:22	03/06/2024 7:31
24030697-058A	BHS-178	NELAP		1.0	**7.2**	µg/L	1	03/20/2024 12:26	03/06/2024 7:31
24030697-059A	BHS-179	NELAP		1.0	**4.8**	µg/L	1	03/20/2024 12:48	03/06/2024 7:31
24030697-060A	BHS-180	NELAP		1.0	**8.0**	µg/L	1	03/20/2024 12:52	03/06/2024 7:31

Receiving Check List

http://www.teklabinc.com/

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

Work Order: 24030697
Report Date: 28-Mar-24

Carrier: John Duarte
Received By: WAO

Completed by: Nick Reed
On: 08-Mar-24

Reviewed by: Ellie Hopkins
On: 11-Mar-24

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

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

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - ehopkins - 3/11/2024 10:04:07 AM

CHAIN OF CUSTODY

pg. 13 of 23 Work order # 2403069 97

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: COURIER

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
1030094-001	BHS-115	3/6/24 6:51	1									X					X
-002	116	"	1									X					X
-003	117	6:55	1									X					X
-004	118	"	1									X					X
-005	119	"	1									X					X
-006	120	"	1									X					X
-007	121	"	1									X					X
-008	128	7:04	1									X					X
-009	129	"	1									X					X
-010	130	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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. 14 of 23 Work order # 204301 (97)

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
403694 -011	BHS-131	3/6/24 7:04	1									X					X
-012	132	"	1									X					X
-013	133	"	1									X					X
-014	134	"	1									X					X
-015	135	"	1									X					X
-016	136	"	1									X					X
-017	137	7:07	1									X					X
-018	138	7:08	1									X					X
-019	139	"	1									X					X
-020	" 140	" 7:10	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Brad Lohrum	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/9/24 1611	Whitney Lamp	3/8/24 1611

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 23 Work order # 24030097

97

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
24030697-021	BHS-141	3/6/24 7:10	1									X					X
-022	142	〃	1									X					X
-023	143	〃	1									X					X
-024	144	7:14	1									X					X
-025	145	〃	1									X					X
-026	146	7:15	1									X					X
-027	147	〃	1									X					X
-028	148	〃	1									X					X
-029	149	〃	1									X					X
-030	150	〃	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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. 16 of 23 Work order # 24030697

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: J044517.01
Sample Collector's Name: 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	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8
24030697-031	BHS-151	3/6/24 7:15	1									X					X
-032	152		1									X					X
-033	153		1									X					X
-034	154	7:18	1									X					X
-035	155	7:20	1									X					X
-036	156		1									X					X
-037	157		1									X					X
-038	158		1									X					X
-039	159		1									X					X
-040	160		1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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. 17 of 23 Work order # 2403097 97

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
1030697-041	BHS-161	3/6/24 7:20	1									X					X
-042	162	"	1									X					X
-043	163	7:24	1									X					X
-044	164	"	1									X					X
-045	165	"	1									X					X
-046	166	7:26	1									X					X
-047	167	"	1									X					X
-048	168	"	1									X					X
-049	169	"	1									X					X
-050	170	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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. 18 of 23 Work order # 24030097

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	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8
24030097-051	BHS-171	3/6/24 7:26	1									X					X
-052	172		1									X					X
-053	173		1									X					X
-054	174	7:30	1									X					X
-055	175	7:31	1									X					X
-056	176		1									X					X
-057	177		1									X					X
-058	178		1									X					X
-059	179		1									X					X
-060	180		1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Brad Lohrum (signature)	3/8/24 1350	(signature)	3/8/24 1350
(signature)	3/8/24 1611	Whitney (signature)	3/8/24 1611

BottleOrder: 80481

March 28, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044517.01 **WorkOrder:** 24030698

Dear Brad Lohrum:

TEKLAB, INC received 41 samples on 3/8/2024 4:11:00 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,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24030698
Client Project: J044517.01
Report Date: 28-Mar-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	8
Chain of Custody	Appended

Client: Geotechnology, Inc. **Work Order:** 24030698

Client Project: J044517.01 **Report Date:** 28-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: 24030698

Client Project: J044517.01
Report Date: 28-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: 24030698
Report Date: 28-Mar-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Geotechnology, Inc. **Work Order:** 24030698

Client Project: J044517.01 **Report Date:** 28-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	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:** 24030698

Client Project: J044517.01 **Report Date:** 28-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									
24030698-001A	BHS-181	NELAP		1.0	**3.0**	µg/L	1	03/20/2024 12:55	03/06/2024 7:31
24030698-002A	BHS-182	NELAP		1.0	**17.2**	µg/L	1	03/20/2024 12:59	03/06/2024 7:31
24030698-003A	BHS-183	NELAP		1.0	**< 1.0**	µg/L	1	03/20/2024 13:03	03/06/2024 7:35
24030698-004A	BHS-184	NELAP		1.0	**< 1.0**	µg/L	1	03/20/2024 13:06	03/06/2024 7:35
24030698-005A	BHS-185	NELAP		1.0	**20.9**	µg/L	1	03/20/2024 13:10	03/06/2024 7:37
24030698-006A	BHS-186	NELAP		2.0	**516**	µg/L	10	03/25/2024 12:59	03/06/2024 7:37
24030698-007A	BHS-187	NELAP		1.0	**8.6**	µg/L	1	03/20/2024 13:14	03/06/2024 7:37
24030698-008A	BHS-188	NELAP		1.0	**12.4**	µg/L	1	03/23/2024 3:51	03/06/2024 7:37
24030698-009A	BHS-189	NELAP		1.0	**10.5**	µg/L	1	03/20/2024 13:32	03/06/2024 7:37
24030698-010A	BHS-190	NELAP		1.0	**58.5**	µg/L	1	03/20/2024 13:43	03/06/2024 7:37
24030698-011A	BHS-191	NELAP		1.0	**13.4**	µg/L	1	03/20/2024 13:46	03/06/2024 7:37
24030698-012A	BHS-192	NELAP		1.0	**12.8**	µg/L	1	03/20/2024 13:50	03/06/2024 7:37
24030698-013A	BHS-193	NELAP		1.0	**7.2**	µg/L	1	03/20/2024 13:54	03/06/2024 7:40
24030698-014A	BHS-194	NELAP		1.0	**5.9**	µg/L	1	03/20/2024 13:57	03/06/2024 7:42
24030698-015A	BHS-195	NELAP		1.0	**9.1**	µg/L	1	03/20/2024 14:01	03/06/2024 7:42
24030698-016A	BHS-196	NELAP		1.0	**8.1**	µg/L	1	03/20/2024 14:16	03/06/2024 7:42
24030698-017A	BHS-197	NELAP		1.0	**12.1**	µg/L	1	03/20/2024 14:19	03/06/2024 7:42
24030698-018A	BHS-198	NELAP		1.0	**7.2**	µg/L	1	03/20/2024 14:23	03/06/2024 7:42
24030698-019A	BHS-199	NELAP		1.0	**13.1**	µg/L	1	03/20/2024 14:27	03/06/2024 7:42
24030698-020A	BHS-200	NELAP		1.0	**5.0**	µg/L	1	03/20/2024 14:38	03/06/2024 7:42
24030698-021A	BHS-201	NELAP		1.0	**5.1**	µg/L	1	03/20/2024 14:41	03/06/2024 7:42
24030698-022A	BHS-202	NELAP		1.0	**< 1.0**	µg/L	1	03/20/2024 14:45	03/06/2024 7:48
24030698-023A	BHS-203	NELAP		1.0	**< 1.0**	µg/L	1	03/20/2024 14:49	03/06/2024 7:48
24030698-024A	BHS-204	NELAP		1.0	**< 1.0**	µg/L	1	03/20/2024 15:11	03/06/2024 7:48
24030698-025A	BHS-205	NELAP		1.0	**4.4**	µg/L	1	03/20/2024 15:14	03/06/2024 7:51
24030698-026A	BHS-206	NELAP		1.0	**9.1**	µg/L	1	03/20/2024 15:18	03/06/2024 7:51
24030698-027A	BHS-207	NELAP		1.0	**9.4**	µg/L	1	03/20/2024 15:29	03/06/2024 7:51
24030698-028A	BHS-208	NELAP		1.0	**8.4**	µg/L	1	03/20/2024 15:33	03/06/2024 7:51
24030698-029A	BHS-209	NELAP		1.0	**11.9**	µg/L	1	03/20/2024 15:36	03/06/2024 7:51
24030698-030A	BHS-210	NELAP		1.0	**14.6**	µg/L	1	03/20/2024 15:51	03/06/2024 7:51
24030698-031A	BHS-211	NELAP		1.0	**7.9**	µg/L	1	03/20/2024 15:55	03/06/2024 7:51
24030698-032A	BHS-212	NELAP		1.0	**5.4**	µg/L	1	03/20/2024 15:58	03/06/2024 7:51
24030698-033A	BHS-213	NELAP		1.0	**9.7**	µg/L	1	03/20/2024 16:02	03/06/2024 7:55
24030698-034A	BHS-214	NELAP		1.0	**14.5**	µg/L	1	03/20/2024 16:06	03/06/2024 7:57
24030698-035A	BHS-215	NELAP		1.0	**7.7**	µg/L	1	03/20/2024 16:09	03/06/2024 7:57
24030698-036A	BHS-216	NELAP		1.0	**6.5**	µg/L	1	03/20/2024 16:13	03/06/2024 7:57
24030698-037A	BHS-217	NELAP		1.0	**7.4**	µg/L	1	03/20/2024 16:24	03/06/2024 7:57
24030698-038A	BHS-218	NELAP		1.0	**7.9**	µg/L	1	03/21/2024 8:54	03/06/2024 7:57
24030698-039A	BHS-219	NELAP		1.0	**5.3**	µg/L	1	03/21/2024 8:58	03/06/2024 7:57
24030698-040A	BHS-220	NELAP		1.0	**11.5**	µg/L	1	03/21/2024 9:02	03/06/2024 7:57
24030698-041A	BHS-221	NELAP		1.0	**5.2**	µg/L	1	03/21/2024 9:05	03/06/2024 7:57

Receiving Check List

http://www.teklabinc.com/

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

Work Order: 24030698
Report Date: 28-Mar-24

Carrier: John Duarte
Received By: WAO

Completed by: Nick Reed
On: 08-Mar-24

Reviewed by: Ellie Hopkins
On: 11-Mar-24

Pages to follow: Chain of custody 5 Extra pages included 0

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

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

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

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

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - ehopkins - 3/11/2024 10:35:54 AM

CHAIN OF CUSTODY

pg. 19 of 23 Work order #2403098

98

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: COURIER

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
2403098-001	BHS-181	3/6/24 7:31	1									X					X
-002	182	+	1									X					X
-003	183	7:35	1									X					X
-004	184	+	1									X					X
-005	185	7:37	1									X					X
-006	186		1									X					X
-007	187		1									X					X
-008	188		1									X					X
-009	189		1									X					X
-010	190	+	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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. 20 of 23 Work order # 2403698 (98)

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
2403698-011	BHS-191	3/6/24 7:37	1									X					X
-012	192	"	1									X					X
-013	193	7:40	1									X					X
-014	194	7:42	1									X					X
-015	195		1									X					X
-016	196		1									X					X
-017	197		1									X					X
-018	198		1									X					X
-019	199		1									X					X
-020	200	" "	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/9/24 1611	[signature]	3/8/24 1611

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. 21 of 23 Work order # 2403069 98

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
403069A-021	BHS-201	3/6/24 7:42	1									X					X
-022	202	7:48	1									X					X
-023	203	"	1									X					X
-024	204	"	1									X					X
-025	205	7:51	1									X					X
-026	206	"	1									X					X
-027	207	"	1									X					X
-028	208	"	1									X					X
-029	209	"	1									X					X
-030	210	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	Whitney Olinger	3/8/24 1611

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. 22 of 23 Work order # 24030698

98

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
24030698-031	BHS-211	3/6/24 7:51	1									X					X
-032	212	"	1									X					X
-033	213	7:55	1									X					X
-034	214	7:57	1									X					X
-035	215		1									X					X
-036	216		1									X					X
-037	217		1									X					X
-038	218		1									X					X
-039	219		1									X					X
-040	220		1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Brad Lohrum	3/8/24 1350	[illegible]	3/8/24 1350
[illegible]	3/8/24 1611	[illegible]	3/8/24 1611

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 COUSTODY pg. 23 of 23 Work order # 24030698

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	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	DW - Lead E200.8
4030698-01	BHS-221	3/6/24 7:57	1									X					X
			1									X					X
			1									X					X
			1									X					X
			1									X					X
			1									X					X
			1									X					X
			1									X					X
			1									X					X
			1									X					X

Relinquished By	Date/Time	Received By	Date/Time
Bradley [signature]	3/8/24 1350	[signature]	3/8/24 1350
[signature]	3/8/24 1611	[signature]	3/8/24 1611

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

April 02, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044517.01 **WorkOrder:** 24031315

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 3/18/2024 1:52:00 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

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24031315
Client Project: J044517.01
Report Date: 02-Apr-24

This reporting package includes the following:

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

Client: Geotechnology, Inc. **Work Order:** 24031315

Client Project: J044517.01 **Report Date:** 02-Apr-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: 24031315

Client Project: J044517.01
Report Date: 02-Apr-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: 24031315
Report Date: 02-Apr-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Geotechnology, Inc. **Work Order:** 24031315

Client Project: J044517.01 **Report Date:** 02-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	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:** 24031315

Client Project: J044517.01 **Report Date:** 02-Apr-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									
24031315-001A	BHS-122	NELAP		1.0	**5.0**	µg/L	1	03/28/2024 9:11	03/15/2024 3:43
24031315-002A	BHS-123	NELAP		1.0	**1.8**	µg/L	1	03/27/2024 9:03	03/15/2024 3:43
24031315-003A	BHS-124	NELAP		1.0	**2.1**	µg/L	1	03/27/2024 9:33	03/15/2024 3:43
24031315-004A	BHS-125	NELAP		1.0	**6.7**	µg/L	1	03/27/2024 9:37	03/15/2024 3:43
24031315-005A	BHS-126	NELAP		1.0	**5.2**	µg/L	1	03/27/2024 9:41	03/15/2024 3:43
24031315-006A	BHS-127	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 9:46	03/15/2024 3:43
24031315-007A	RBH-01	NELAP		1.0	**2.7**	µg/L	1	03/26/2024 15:15	03/15/2024 4:27
24031315-008A	RBH-02	NELAP		1.0	**1.5**	µg/L	1	03/26/2024 15:20	03/15/2024 4:27
24031315-009A	RBH-03	NELAP		1.0	**2.3**	µg/L	1	03/26/2024 15:24	03/15/2024 4:27
24031315-010A	RBH-04	NELAP		1.0	**2.1**	µg/L	1	03/26/2024 15:28	03/15/2024 4:27
24031315-011A	RBH-05	NELAP		1.0	**3.1**	µg/L	1	03/26/2024 15:33	03/15/2024 4:27
24031315-012A	RBH-06	NELAP		1.0	**4.9**	µg/L	1	03/26/2024 15:37	03/15/2024 4:27
24031315-013A	RBH-07	NELAP		1.0	**< 1.0**	µg/L	1	03/26/2024 15:41	03/15/2024 4:27
24031315-014A	RBH-08	NELAP		1.0	**1.9**	µg/L	1	03/27/2024 9:50	03/15/2024 4:33
24031315-015A	RBH-09	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 9:54	03/15/2024 4:36
24031315-016A	RBH-10	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 9:59	03/15/2024 4:36
24031315-017A	RBH-11	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 10:37	03/15/2024 4:38
24031315-018A	RBH-12	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 10:42	03/15/2024 4:38
24031315-019A	RBH-13	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 10:46	03/15/2024 4:40
24031315-020A	RBH-14	NELAP		1.0	**13.1**	µg/L	1	03/28/2024 7:28	03/15/2024 4:41
24031315-021A	RBH-15	NELAP		1.0	**61.0**	µg/L	5	03/27/2024 15:07	03/15/2024 4:47
24031315-022A	RBH-16	NELAP		1.0	**9.5**	µg/L	5	03/27/2024 15:12	03/15/2024 4:47
24031315-023A	RBH-17	NELAP		1.0	**13.3**	µg/L	5	03/27/2024 15:17	03/15/2024 4:47
24031315-024A	RBH-18	NELAP		1.0	**19.4**	µg/L	5	03/27/2024 16:46	03/15/2024 4:47
24031315-025A	RBH-19	NELAP		1.0	**4.4**	µg/L	5	03/27/2024 15:22	03/15/2024 4:47
24031315-026A	RBH-20	NELAP		1.0	**17.1**	µg/L	5	03/27/2024 15:27	03/15/2024 4:47
24031315-027A	RBH-21	NELAP		1.0	**1.6**	µg/L	1	03/27/2024 10:50	03/15/2024 4:51
24031315-028A	RBH-22	NELAP		1.0	**2.3**	µg/L	1	03/27/2024 10:54	03/15/2024 4:51
24031315-029A	RBH-23	NELAP		1.0	**2.5**	µg/L	1	03/28/2024 7:45	03/15/2024 4:54
24031315-030A	RBH-24	NELAP		1.0	**1.4**	µg/L	1	03/27/2024 10:59	03/15/2024 4:54
24031315-031A	RBH-25	NELAP		1.0	**1.4**	µg/L	1	03/27/2024 11:03	03/15/2024 4:54
24031315-032A	RBH-26	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 11:50	03/15/2024 5:00
24031315-033A	RBH-27	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 11:55	03/15/2024 5:00
24031315-034A	RBH-28	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 11:59	03/15/2024 5:00
24031315-035A	RBH-29	NELAP		1.0	**2.5**	µg/L	1	03/27/2024 12:03	03/15/2024 5:04
24031315-036A	RBH-30	NELAP		1.0	**5.1**	µg/L	1	03/26/2024 18:05	03/15/2024 5:04
24031315-037A	RBH-31	NELAP		1.0	**< 1.0**	µg/L	1	03/26/2024 18:09	03/15/2024 5:06
24031315-038A	RBH-32	NELAP		1.0	**< 1.0**	µg/L	1	03/26/2024 18:13	03/15/2024 5:11
24031315-039A	RBH-33	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 12:07	03/15/2024 5:11
24031315-040A	RBH-34	NELAP		1.0	**< 1.0**	µg/L	1	03/26/2024 18:18	03/15/2024 5:11
24031315-041A	RBH-35	NELAP		1.0	**4.9**	µg/L	1	03/26/2024 18:22	03/15/2024 5:13
24031315-042A	RBH-36	NELAP		1.0	**3.3**	µg/L	1	03/26/2024 18:26	03/15/2024 5:13
24031315-043A	RBH-37	NELAP		1.0	**1.4**	µg/L	1	03/26/2024 18:31	03/15/2024 5:16
24031315-044A	RBH-38	NELAP		1.0	**1.8**	µg/L	1	03/26/2024 18:35	03/15/2024 5:16
24031315-045A	RBH-39	NELAP		1.0	**1.7**	µg/L	1	03/26/2024 18:39	03/15/2024 5:16
24031315-046A	RBH-40	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 12:51	03/15/2024 5:20
24031315-047A	RBH-41	NELAP		1.0	**1.2**	µg/L	1	03/27/2024 12:56	03/15/2024 5:20
24031315-048A	RBH-42	NELAP		1.0	**1.5**	µg/L	1	03/27/2024 13:00	03/15/2024 5:20

Client: Geotechnology, Inc.
Work Order: 24031315
Client Project: J044517.01
Report Date: 02-Apr-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									
24031315-049A	RBH-43	NELAP		1.0	**1.4**	µg/L	1	03/27/2024 13:04	03/15/2024 5:20
24031315-050A	RBH-44	NELAP		1.0	**2.6**	µg/L	1	03/27/2024 13:08	03/15/2024 5:20
24031315-051A	RBH-45	NELAP		1.0	**< 1.0**	µg/L	1	03/27/2024 13:21	03/15/2024 5:23
24031315-052A	RBH-46	NELAP		1.0	**< 1.0**	µg/L	1	03/26/2024 22:23	03/15/2024 5:23
24031315-053A	RBH-47	NELAP		1.0	**90.4**	µg/L	5	03/27/2024 15:32	03/15/2024 5:33
24031315-054A	RBH-48	NELAP		1.0	**92.1**	µg/L	5	03/27/2024 15:36	03/15/2024 5:33
24031315-055A	RBH-49	NELAP		1.0	**122**	µg/L	5	03/27/2024 16:11	03/15/2024 5:33
24031315-056A	RBH-50	NELAP		1.0	**90.0**	µg/L	5	03/27/2024 16:16	03/15/2024 5:33
24031315-057A	RBH-51	NELAP		1.0	**201**	µg/L	5	03/27/2024 16:21	03/15/2024 5:33
24031315-058A	RBH-52	NELAP		1.0	**294**	µg/L	5	03/27/2024 16:26	03/15/2024 5:33
24031315-059A	RBH-53	NELAP		1.0	**77.0**	µg/L	5	03/27/2024 17:35	03/15/2024 5:33
24031315-060A	RBH-54	NELAP		1.0	**188**	µg/L	5	03/27/2024 16:31	03/15/2024 5:33

Receiving Check List

http://www.teklabinc.com/

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

Work Order: 24031315
Report Date: 02-Apr-24

Carrier: Employee

Received By: LEH

Completed by: Amber Dilallo
On: 18-Mar-24

Reviewed by: Ellie Hopkins
On: 18-Mar-24

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

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

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

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

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

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

CHAIN OF CUSTODY

pg. 1 of 11 Work order # 24031315

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
24031315 001	BHS - 122	3/15/24 3:43	1									X					X
002	123		1									X					X
003	124		1									X					X
004	125		1									X					X
005	126		1									X					X
006	127		1									X					X
007	RBH - 01	4:27	1									X					X
008	02		1									X					X
009	03		1									X					X
010	04		1									X					X

Relinquished By	Date/Time	Received By	Date/Time
	3/15/24 1214		3/18/24 1214
	3/18/24 1352		3/18/24 1352

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

July 11, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044517.01 **WorkOrder:** 24062353

Dear Brad Lohrum:

TEKLAB, INC received 57 samples on 6/28/2024 3:50:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Patrick Riley

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

Report Contents

Client: Geotechnology, Inc.
Work Order: 24062353
Client Project: J044517.01
Report Date: 11-Jul-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
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Accreditations	6
Laboratory Results	7
Receiving Check List	9
Chain of Custody	Appended

Client: Geotechnology, Inc. **Work Order:** 24062353

Client Project: J044517.01 **Report Date:** 11-Jul-24

Abbr Definition

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: 24062353

Client Project: J044517.01
Report Date: 11-Jul-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: 24062353
Report Date: 11-Jul-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:** 24062353

Client Project: J044517.01 **Report Date:** 11-Jul-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: Geotechnology, Inc. **Work Order:** 24062353

Client Project: J044517.01 **Report Date:** 11-Jul-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									
24062353-001A	SMS-01-2	NELAP		1.0	4.6	µg/L	1	07/03/2024 17:08	06/26/2024 15:07
24062353-002A	SMS-02-2	NELAP		1.0	3.5	µg/L	1	07/03/2024 17:23	06/26/2024 15:08
24062353-003A	SMS-58-2	NELAP		1.0	7.5	µg/L	1	07/03/2024 17:26	06/26/2024 15:11
24062353-004A	SMS-59-2	NELAP		1.0	3.3	µg/L	1	07/03/2024 17:30	06/26/2024 15:12
24062353-005A	SMS-60-2	NELAP		1.0	8.7	µg/L	1	07/03/2024 17:34	06/26/2024 15:13
24062353-006A	SMS-61-2	NELAP		1.0	6.9	µg/L	1	07/03/2024 17:37	06/26/2024 15:14
24062353-007A	SMS-62-2	NELAP		1.0	7.4	µg/L	1	07/08/2024 22:34	06/26/2024 15:15
24062353-008A	SMS-74-2	NELAP		1.0	1.9	µg/L	1	07/03/2024 17:52	06/26/2024 15:18
24062353-009A	PKE-66-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 17:56	06/26/2024 15:52
24062353-010A	PKE-67-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 18:10	06/26/2024 15:52
24062353-011A	PKE-70-2	NELAP		1.0	2.2	µg/L	1	07/03/2024 18:14	06/26/2024 15:55
24062353-012A	RBE-08-2	NELAP		1.0	1.3	µg/L	1	07/03/2024 18:18	06/26/2024 16:06
24062353-013A	RBE-11-2	NELAP		1.0	1.6	µg/L	1	07/03/2024 18:21	06/26/2024 16:07
24062353-014A	FES-52-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 18:25	06/26/2024 16:16
24062353-015A	BRH-82	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 18:29	06/26/2024 16:33
24062353-016A	BRH-83	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 18:33	06/26/2024 16:36
24062353-017A	MCE-09-2	NELAP		1.0	1.3	µg/L	1	07/08/2024 22:45	06/26/2024 16:51
24062353-018A	MCE-87	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 18:58	06/26/2024 16:54
24062353-019A	MCE-88	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 19:02	06/26/2024 16:54
24062353-020A	RBH-30-2	NELAP		1.0	12.4	µg/L	1	07/03/2024 19:05	06/26/2024 17:17
24062353-021A	RBH-103	NELAP		1.0	1.9	µg/L	1	07/03/2024 19:09	06/26/2024 17:21
24062353-022A	RBH-104	NELAP		1.0	3.6	µg/L	1	07/03/2024 19:13	06/26/2024 17:21
24062353-023A	RBH-105	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 19:16	06/26/2024 17:22
24062353-024A	RBH-106	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 19:20	06/26/2024 17:22
24062353-025A	NHE-10-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 19:24	06/26/2024 17:44
24062353-026A	NHE-16-2	NELAP		1.0	3.7	µg/L	1	07/03/2024 19:28	06/26/2024 17:46
24062353-027A	CRE-70	NELAP		1.0	< 1.0	µg/L	1	07/05/2024 12:13	06/26/2024 18:01
24062353-028A	CRE-71	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 19:53	06/26/2024 18:03
24062353-029A	RAC-08-2	NELAP		1.0	13.2	µg/L	1	07/03/2024 19:57	06/26/2024 18:20
24062353-030A	SBE-02-2	NELAP		1.0	4.6	µg/L	1	07/03/2024 20:01	06/26/2024 18:35
24062353-031A	LSE-06-2	NELAP		1.0	2.1	µg/L	1	07/03/2024 20:04	06/26/2024 18:54
24062353-032A	JMS-11-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 20:08	06/26/2024 19:07
24062353-033A	EFS-01-2	NELAP		1.0	6.4	µg/L	1	07/03/2024 20:12	06/26/2024 19:19
24062353-034A	HHS-18-2	NELAP		1.0	2.7	µg/L	1	07/03/2024 20:15	06/26/2024 19:32
24062353-035A	OMS-08-2	NELAP		1.0	< 1.0	µg/L	1	07/05/2024 12:35	06/26/2024 19:55
24062353-036A	OMS-10-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 20:41	06/26/2024 19:56
24062353-037A	OMS-12-2	NELAP		1.0	1.1	µg/L	1	07/03/2024 20:45	06/26/2024 19:57
24062353-038A	OMS-17-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 20:48	06/26/2024 20:00
24062353-039A	OMS-20-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 20:52	06/26/2024 20:07
24062353-040A	OMS-39	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 20:56	06/26/2024 20:10
24062353-041A	OMS-40	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 20:59	06/26/2024 20:10
24062353-042A	OMS-23-2	NELAP		1.0	< 1.0	µg/L	1	07/05/2024 12:46	06/26/2024 20:11
24062353-043A	OMS-24-2	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 21:25	06/26/2024 20:11
24062353-044A	OMS-29-2	NELAP		1.0	5.6	µg/L	1	07/03/2024 21:29	06/26/2024 20:13
24062353-045A	EBE-35-3	NELAP		1.0	17.7	µg/L	1	07/03/2024 21:32	06/26/2024 20:39
24062353-046A	EBE-63	NELAP		1.0	< 1.0	µg/L	1	07/03/2024 21:36	06/26/2024 20:43
24062353-047A	BHS-83-2	NELAP		1.0	**17.6**	µg/L	1	07/08/2024 23:07	06/26/2024 21:10
24062353-048A	BHS-122-2	NELAP		1.0	4.3	µg/L	1	07/03/2024 21:51	06/26/2024 21:20

Client: Geotechnology, Inc.
Work Order: 24062353
Client Project: J044517.01
Report Date: 11-Jul-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									
24062353-049A	BHS-125-2	NELAP		1.0	**8.8**	µg/L	1	07/03/2024 21:54	06/26/2024 21:20
24062353-050A	BHS-126-2	NELAP		1.0	**5.9**	µg/L	1	07/03/2024 22:09	06/26/2024 21:20
24062353-051A	BHS-130-2	NELAP		1.0	**< 1.0**	µg/L	1	07/03/2024 22:13	06/26/2024 21:26
24062353-052A	BHS-222	NELAP		1.0	**< 1.0**	µg/L	1	07/03/2024 22:16	06/26/2024 21:30
24062353-053A	BHS-223	NELAP		1.0	**1.1**	µg/L	1	07/03/2024 22:20	06/26/2024 21:30
24062353-054A	BHS-224	NELAP		1.0	**< 1.0**	µg/L	1	07/03/2024 22:24	06/26/2024 21:30
24062353-055A	BHS-225	NELAP		1.0	**1.3**	µg/L	1	07/03/2024 22:27	06/26/2024 21:30
24062353-056A	BHS-226	NELAP		1.0	**3.0**	µg/L	1	07/03/2024 22:31	06/26/2024 21:15
24062353-057A	BHS-227	NELAP		1.0	**2.8**	µg/L	1	07/03/2024 22:35	06/26/2024 21:15

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24062353
Client Project: J044517.01
Report Date: 11-Jul-24

Carrier: Craig McKinney
Received By: NR

Completed by: Paul Schultz
On: 28-Jun-24

Reviewed by: Ellie Hopkins
On: 28-Jun-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. - pschultz - 6/28/2024 4:49:24 PM

CHAIN OF CUSTODY

pg. 5 of 6 Work order # 24062353

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
24062353-041	OMS-40	6/26/24 8:10	1									X					X
-042	OMS-23-2	8:11	1									X					X
-043	OMS-24-2	"	1									X					X
-044	OMS-29-2	8:13	1									X					X
-045	EBE-35-3	8:39	1									X					X
-046	EBE-63	8:43	1									X					X
-047	BHS-83-2	9:10	1									X					X
-048	BHS-122-2	9:20	1									X					X
-049	125-2	"	1									X					X
-050	126-2	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	6/27/24 17:30	[signature]	6/28/24 140
[signature]	6/28/24 1558	[signature]	6/28/24 1550

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. 6 of 6 Work order # 2406 2353

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
2406235351	BHS-130-2	6/26/24 9:24	1									X					X
-52	BHS-222	9:30	1									X					X
-53	223	"	1									X					X
-54	224	"	1									X					X
-55	225	"	1									X					X
-56	226	9:15	1									X					X
-57	227	"	1									X					X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	6/27/24 17:30	[signature]	6/28/24 1400
[signature]	6/28/24 1550	[signature]	6/28/24 1550

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.