

COLUMBIA PUBLIC SCHOOLS JOHN WARNER MIDDLE SCHOOL 5550 SOUTH SINCLAIR ROAD COLUMBIA, MISSOURI

Prepared for:

COLUMBIA PUBLIC SCHOOLS COLUMBIA, MISSOURI

Prepared by: GEOTECHNOLOGY, LLC, DBA UES ST. LOUIS, MISSOURI

Date: December 21, 2024

Project No.: **J044517.01**

SAFETY TEAMWORK RESPONSIVENESS INTEGRITY VALUE EXCELLENCE







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

December 21, 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 John Warner Middle School 5550 South Sinclair 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 John Warner Middle School, located southeast of the intersection of Crabapple Lane and South Sinclair 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 January 31 and February 1 and 8, 2024, by Mr. Brad Lohrum, a Missouri-licensed lead risk assessor. Mr. Lohrum was assisted by Mr. Seth Lamble, a Missouri-licensed lead inspector. Copies of training certificates and lead licenses for Messrs. Lohrum and Lamble are included in Appendix A.



An inventory of potable drinking water outlets was provided to UES by CPS. UES personnel sampled the identified outlets utilizing the EPA's "first-draw" methods. The identified outlets were flushed, then allowed to sit undisturbed for a period of 8-18 hours. Following this stagnation period, the first 250 milliliters (ml) of water expelled from the outlets were collected in laboratory-provided containers. A copy of the drinking water sampling forms, which include a list of sample locations, and the times and dates of flushing and sampling activities, is included in Appendix B. Floor plans depicting approximate sample locations are included as Figures 1 and 2.

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.

Sample Number / Location and Fixture Type	Results
JWM-32 / Room E106 Sink 7	10.7 ppb
JWM-33 / Room E106 Teacher's Sink	12.7 ppb
JWM-67 / Room D212 East Left Sink	6.5 ppb
JWM-71 / Room D212 Teacher's Sink	6.7 ppb
JWM-92 / Room E210 Sink	6.8 ppb

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

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

RECOMMENDATIONS

Our recommendations are summarized below:

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

* * * * * *



The following attachments are included in and complete this report:

-	Drinking Water Sample Locations – First Floor
-	Drinking Water Sample Locations – Second Floor
-	Certificates and Licenses of Environmental Professionals
-	Drinking Water Sampling Forms
-	Drinking Water Laboratory Data Sheets
-	Limitations of Report
	- - -

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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.

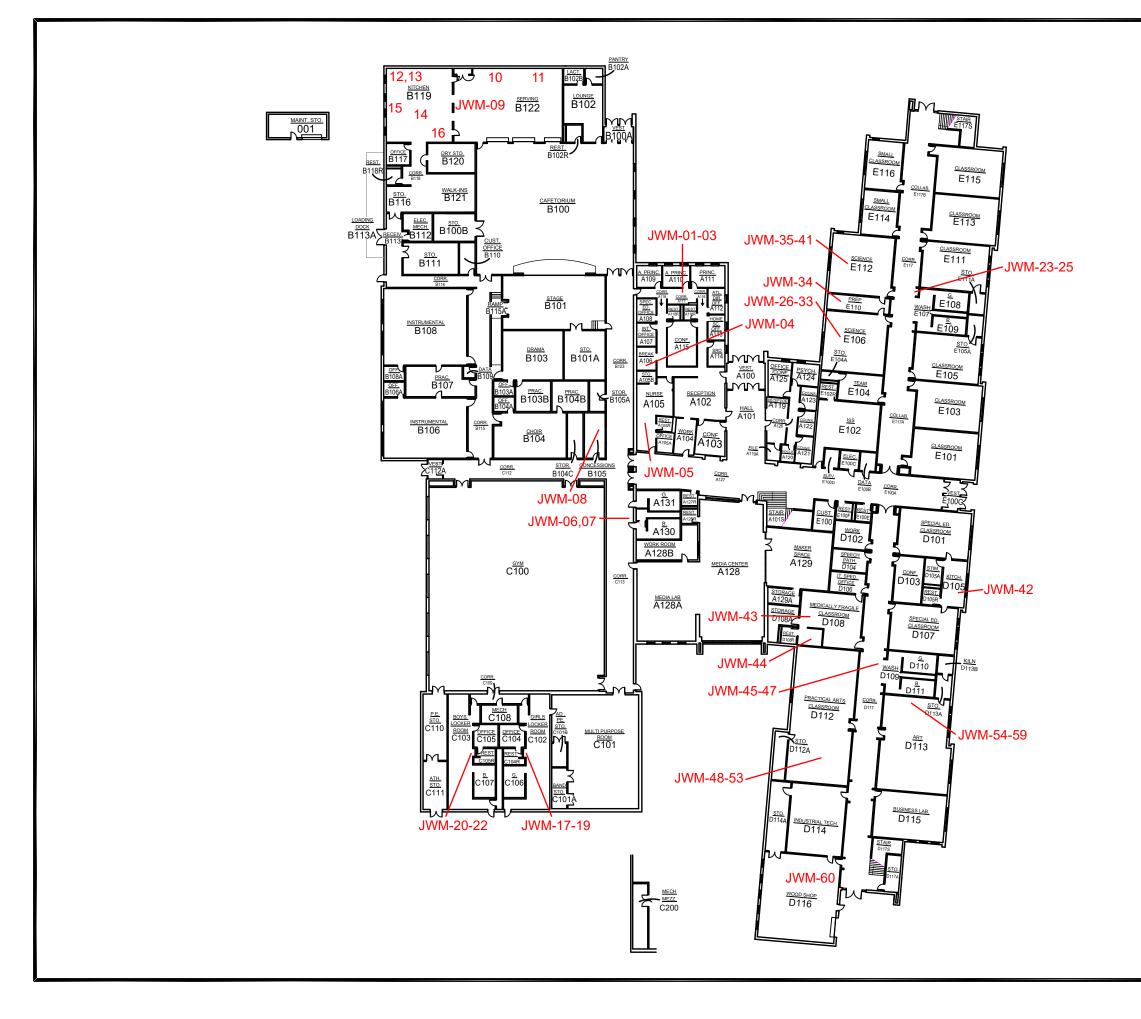
Very truly yours,

UES

Broolly Joh

Bradley J. Lohrum Project Manager

BJL/MSR:bjl/jsj

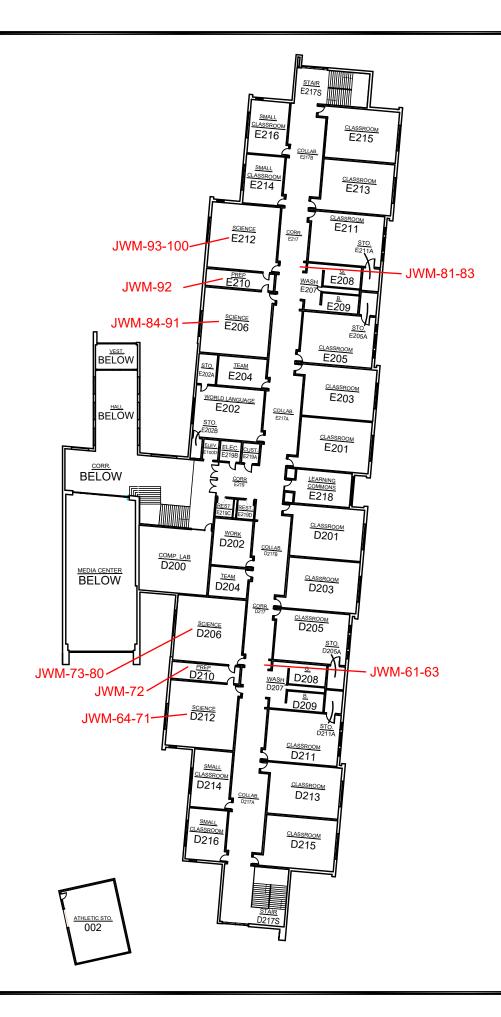




NOTES

- 1. Drawing not to scale.
- 2. Drawing adapted from "John Warner Middle School Floor Plan", provided by the client, dated 07/19/2018.
- 3. Sample locations were identified in the field relative to building features and are approximate only.

Drawn By: BJL	Ck'd By: BJ	L A	App'vd By: MSR		
Date: 12-21-24	Date: 12-21	-24 D)ate: 12-21-24		
		ES,	ſM		
	50 Sincla Iumbia, N		9		
DRINKING WATER SAMPLE LOCATIONS - FIRST FLOOR					
Project Num J044517.0		FIG	URE 1		





NOTES

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- 2. Drawing adapted from "John Warner Middle School Floor Plan", provided by the client, dated 07/19/2018.
- 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: 12-21-24	Date: 12-21-24	Date: 12-21-24					
UES							
	5550 Sinclair Road Columbia, Missouri						
DRINKING WATER SAMPLE LOCATIONS - SECOND FLOOR							
Project Number J044517.01 FIGURE 2							



APPENDIX A

CERTIFICATES AND LICENSES OF ENVIRONMENTAL PROFESSIONALS

PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

Bradley Lohrum

817 S Sappington Road, Crestwood, MO 63126

has attended

8 contact hours of training and successfully passed an examination

Lead Risk Assessor Refresher

St. Louis, MO

Certificate # CEET 325 - 12/12/2022 - 189152 Examination Date: 12/12/2022 CEUs: 0.8 Christopher C. King PhD

Director, Center for Environmental Education and Training

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

Center for Environmental Education and Training, 3545 Lafayette, St. Louis, MO 63104 (314) 977-8256 shuedu/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: Expiration Date: License Number: 1/20/2023 1/20/2025 230120-300006460

Daven I. Nichel

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

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

PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

Seth Lamble

12040 Chaparral Drive, Bridgeton, Missouri 63044

has attended

8 contact hours of training and successfully passed an examination

Lead Inspector Refresher

St. Louis, MO

Certificate # CEET 315 - 1/4/2022 - 118633 Examination Date: 1/4/2022 CEUs: 0.8

Kine Christopher C. King PhD

Director, Center for Environmental Education and Training

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

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

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

STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

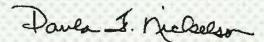
Seth P. Lamble

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

> Lead Inspector Category of License

Issuance Date: Expiration Date: License Number:

4/25/2022 4/25/2024 160425-300004897



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

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

STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

Lead Abatement Contractor License

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

Issued to:

Geotechnology, LLC 11816 Lackland Road, Suite 150

St. Louis, MO 63146

Issuance Date: Expiration Date: License Number: 2/8/2022 2/8/2024 060208-0095



Donal A. Rauna

Donald G. Kauerauf Director Department of Health and Senior Services

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



APPENDIX B

DRINKING WATER SAMPLING FORMS



Project Name: Columbia Public Schools Water Sampling and Reporting Services Building Name: John Warner Middle Project Number: J044517.01

Address: 5550 South Sinclair Road Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
JWM-01	BF	Room A117	SPL - 1/31/24 - 19:10	SPL - 2/1/24 - 4:42
JWM-02	WF	Room A117 - Right	SPL - 1/31/24 - 19:10	SPL - 2/1/24 - 4:42
JWM-03	WF	Room A117 - Left	SPL - 1/31/24 - 19:10	SPL - 2/1/24 - 4:42
JWM-04	S	Room A106	SPL - 1/31/24 - 19:10	BJL - 2/1/24 - 4:43
JWM-05	S	Room A105	SPL - 1/31/24 - 19:11	BJL - 2/1/24 - 4:44
JWM-06	BF	Hallway at Room A130	SPL - 1/31/24 - 19:14	SPL - 2/1/24 - 4:45
JWM-07	WF	Hallway at Room A130	SPL - 1/31/24 - 19:14	SPL - 2/1/24 - 4:45
JWM-08	S	Room B105	SPL - 1/31/24 - 19:15	SPL - 2/1/24 - 4:46
JWM-09	S	Room B122 South	SPL - 1/31/24 - 19:21	BJL - 2/1/24 - 4:49
JWM-10	S	Room B122 Center	SPL - 1/31/24 - 19:21	BJL - 2/1/24 - 4:49
JWM-11	S	Room B122 North	SPL - 1/31/24 - 19:21	SPL - 2/1/24 - 4:49
JWM-12	S	Room B119 Dishwash - Left	SPL - 1/31/24 - 19:23	SPL - 2/1/24 - 4:52
JWM-13	S	Room B119 Dishwash - Right	SPL - 1/31/24 - 19:23	SPL - 2/1/24 - 4:52
JWM-14	S	Room B119 Food Prep North	SPL - 1/31/24 - 19:23	SPL - 2/1/24 - 4:53
JWM-15	S	Room B119 Food Prep South	SPL - 1/32/24 - 19:23	SPL - 2/1/24 - 4:53
JWM-16	ICE	Room B119	SPL - 1/31/24 - 19:24	SPL - 2/1/24 - 4:54
JWM-17	BF	Room C102	SPL - 1/31/24 - 19:30	SPL - 2/1/24 - 4:58
JWM-18	WF	Room C102 - Right	SPL - 1/31/24 - 19:30	SPL - 2/1/24 - 4:58
JWM-19	WF	Room C102 - Left	SPL - 1/31/24 - 19:30	SPL - 2/1/24 - 4:58
JWM-20	BF	Room C103	SPL - 1/31/24 - 19:31	BJL - 2/1/24 - 5:00
JWM-21	WF	Room C103 - Right	SPL - 1/31/24 - 19:31	BJL - 2/1/24 - 5:00
JWM-22	WF	Room C103 - Left	SPL - 1/31/24 - 19:31	BJL - 2/1/24 - 5:00
JWM-23	BF	Hallway at Room E112	SPL - 1/31/24 - 19:35	SPL - 2/1/24 - 5:04
JWM-24	WF	Hallway at Rooom E112 - Right	SPL - 1/31/24 - 19:35	SPL - 2/1/24 - 5:04
JWM-25	WF	Hallway at Room E112 - Left	SPL - 1/31/24 - 19:35	SPL - 2/1/24 - 5:04

BF=Bottle Filling B=Bubbler

FW=Filtered Water ICE=Ice Machine



Project Name: Columbia Public Schools Water Sampling and Reporting Services

Building Name: John Warner Middle

Project Number: J044517.01

Address: 5550 South Sinclair Road Columbia, Missouri

Sample ID Fixture Type Location Flushed By - Date - Time Sampled By - Date - Time JWM-26 S Room E106 - 1 SPL - 1/31/24 - 19:37 SPL - 2/1/24 - 5:06 SPL - 1/31/24 - 19:37 SPL - 2/1/24 - 5:06 Room E106 - 2 **JWM-27** S Room E106 - 3 SPL - 1/31/24 - 19:37 SPL - 2/1/24 - 5:06 **JWM-28** S **JWM-29** S Room E106 - 4 SPL - 1/31/24 - 19:37 SPL - 2/1/24 - 5:07 S Room E106 - 5 SPL - 1/31/24 - 19:37 SPL - 2/1/24 - 5:07 **JWM-30** S Room E106 - 6 SPL - 1/31/24 - 19:37 BJL - 2/1/24 - 5:07 **JWM-31 JWM-32** S Room E106 - 7 SPL - 1/31/24 - 19:37 BJL - 2/1/24 - 5:07 S SPL - 1/31/24 - 19:37 Room E106 - Teacher SPL - 2/1/24 - 5:07 **JWM-33** S Room E110 West SPL - 1/31/24 - 19:37 BJL - 2/1/24 - 5:07 **JWM-34** SPL - 1/31/24 - 19:41 **JWM-35** S Room E112 - Left BJL - 2/1/24 - 5:09 BJL - 2/1/24 - 5:09 S Room E112 - Left Center JWM-36 SPL - 1/31/24 - 19:41 S Room E112 - Right Center SPL - 1/31/24 - 19:41 BJL - 2/1/24 - 5:09 **JWM-37** S SPL - 1/31/24 - 19:41 BJL - 2/1/24 - 5:09 **JWM-38** Room E112 - Right **JWM-39** S Room E112 East - Left SPL - 1/31/24 - 19:41 BJL - 2/1/24 - 5:10 S Room E112 East - Center SPL - 1/31/24 - 19:41 BJL - 2/1/24 - 5:10 JWM-40 S Room E112 East - Right SPL - 1/31/24 - 19:41 BJL - 2/1/24 - 5:10 JWM-41 SPL - 1/31/24 - 19:45 S Room D105 SPL - 2/1/24 - 5:13 **JWM-42** S Room D108 West SPL - 1/31/24 - 19:48 SPL - 2/1/24 - 5:15 JWM-43 JWM-44 S Room D108 East SPL - 1/31/24 - 19:48 BJL - 2/1/24 - 5:15 BF Hallway at Room D109 SPL - 1/31/24 - 19:49 SPL - 2/1/24 - 5:16 JWM-45 WF Hallway at Room D109 - Right SPL - 1/31/24 - 19:49 SPL - 2/1/24 - 5:16 **JWM-46 JWM-47** WF Hallway at Room D109 - Left SPL - 1/31/24 - 19:49 SPL - 2/1/24 - 5:16 **JWM-48** S Room D112 - Red SPL - 1/31/24 - 19:52 SPL - 2/1/24 - 5:19 **JWM-49** S Room D112 - Orange SPL - 1/31/24 - 19:52 SPL - 2/1/24 - 5:19 S Room D112 - Yellow SPL - 1/31/24 - 19:52 SPL - 2/1/24 - 5:19 **JWM-50**

BF=Bottle Filling B=Bubbler

FW=Filtered Water **ICE**=Ice Machine



Project Name: Columbia Public Schools Water Sampling and Reporting Services

Building Name: John Warner Middle

Project Number: J044517.01

Address: 5550 South Sinclair Road Columbia, Missouri

Sample ID Fixture Type Location Flushed By - Date - Time Sampled By - Date - Time **JWM-51** S Room D112 - Green SPL - 1/31/24 - 19:52 SPL - 2/1/24 - 5:19 SPL - 1/31/24 - 19:52 BJL - 2/1/24 - 5:19 JWM-52 Room D112 - Blue S SPL - 1/31/24 - 19:52 BJL - 2/1/24 - 5:19 **JWM-53** S Room D112- Purple **JWM-54** S Room D113 - 1 SPL - 1/31/24 - 19:54 SPL - 2/1/24 - 5:22 S Room D113 - 2 SPL - 1/31/24 - 19:54 SPL - 2/1/24 - 5:22 **JWM-55** S Room D113 - 3 SPL - 1/31/24 - 19:54 SPL - 2/1/24 - 5:22 **JWM-56** S Room D113 - 4 SPL - 1/31/24 - 19:54 BJL - 2/1/24 - 5:22 **JWM-57** S SPL - 1/31/24 - 19:54 BJL - 2/1/24 - 5:22 Room D113 - 5 **JWM-58** S Room D113 - 6 SPL - 1/31/24 - 19:54 BJL - 2/1/24 - 5:22 **JWM-59** SPL - 1/31/24 - 19:57 **JWM-60** S Room D116 SPL - 2/1/24 - 5:23 SPL - 2/1/24 - 5:27 SPL - 1/31/24 - 20:01 **JWM-61** BF Hallway at Room D207 Hallway at Room D207 - Right WF SPL - 1/31/24 - 20:01 SPL - 2/1/24 - 5:27 **JWM-62** WF SPL - 2/8/24 - 19:19 SPL - 2/9/24 - 3:20 **JWM-63** Hallway at Room D207 - Left **JWM-64** S Room D212 West - Left SPL - 1/31/24 - 20:02 SPL - 2/1/24 - 5:30 S Room D212 West - Center SPL - 1/31/24 - 20:02 SPL - 2/1/24 - 5:30 **JWM-65** S Room D212 West - Right SPL - 1/31/24 - 20:02 SPL - 2/1/24 - 5:30 **JWM-66** SPL - 1/31/24 - 20:02 S Room D212 East - Left SPL - 2/1/24 - 5:30 **JWM-67** S Room D121 East - Left Center SPL - 1/31/24 - 20:02 SPL - 2/1/24 - 5:30 **JWM-68 JWM-69** S Room D212 East - Right Center SPL - 1/31/24 - 20:02 SPL - 2/1/24 - 5:30 S D212 - East - Right SPL - 1/31/24 - 20:02 SPL - 2/1/24 - 5:30 JWM-70 **JWM-71** S Room D212 - Teacher SPL - 1/31/24 - 20:02 BJL - 2/1/24 - 5:30 **JWM-72** S Room D210 SPL - 1/31/24 - 20:03 BJL - 2/1/24 - 5:31 **JWM-73** S Room D206 East - Left SPL - 1/31/24 - 20:05 SPL - 2/1/24 - 5:34 SPL - 1/31/24 - 20:05 **JWM-74** S Room D206 East - Center SPL - 2/1/24 - 5:34 S SPL - 1/31/24 - 20:05 SPL - 2/1/24 - 5:34 JWM-75 Room D206 East - Right

BF=Bottle Filling B=Bubbler

FW=Filtered Water **ICE**=Ice Machine



Project Name: Columbia Public Schools Water

Sampling and Reporting Services Building Name: John Warner Middle Project Number: J044517.01

Address: 5550 South Sinclair Road Columbia, Missouri

Sample ID	Fixture Type	Location	Flushed By - Date - Time	Sampled By - Date - Time
JWM-76	S	Room D206 West - Left	SPL - 1/31/24 - 20:05	SPL - 2/1/24 - 5:34
JWM-77	S	Room D206 West - Left Center	SPL - 1/31/24 - 20:05	SPL - 2/1/24 - 5:34
JWM-78	S	Room D206 West - Right Center	SPL - 1/31/24 - 20:05	SPL - 2/1/24 - 5:34
JWM-79	S	Room D206 West - Right Center	SPL - 1/31/24 - 20:05	SPL - 2/1/24 - 5:34
JWM-80	S	Room D206 - Teacher	SPL - 1/31/24 - 20:05	BJL - 2/1/24 - 5:34
JWM-81	BF	Hallway at Room E107	SPL - 1/31/24 - 20:09	SPL - 2/1/24 - 5:38
JWM-82	WF	Hallway at Room E107 - Right	SPL - 1/31/24 - 20:09	SPL - 2/1/24 - 5:38
JWM-83	WF	Hallway at Room E107 - Left	SPL - 1/31/24 - 20:09	SPL - 2/1/24 - 5:38
JWM-84	S	Room E206 West - Left	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-85	S	Room E206 West - Center	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-86	S	Room E206 West - Right	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-87	S	Room E206 East - Left	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-88	S	Room E206 East - Left Center	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-89	S	E206 - East - Right Center	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-90	S	Room E206 East - Right	SPL - 1/31/24 - 20:11	SPL - 2/1/24 - 5:41
JWM-91	S	Room E206 - Teacher	SPL - 1/31/24 - 20:11	BJL - 2/1/24 - 5:41
JWM-92	S	Room E210	SPL - 1/31/24 - 20:12	BJL - 2/1/24 - 5:42
JWM-93	S	Room E212 East - Left	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-94	S	Room E212 East - Center Right	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-95	S	Room E212 East - Right	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-96	S	Room E212 West - Left	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-97	S	Room E212 West - Left Center	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-98	S	Room E212 West - Right Center	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-99	S	Room E212 West - Right	SPL - 1/31/24 - 20:15	SPL - 2/1/24 - 5:45
JWM-100	S	Room E212 - Teacher	SPL - 1/31/24 - 20:15	BJL - 2/1/24 - 5:45

BF=Bottle Filling B=Bubbler

FW=Filtered Water ICE=Ice Machine



APPENDIX C

DRINKING WATER LABORATORY DATA SHEETS



http://www.teklabinc.com/

March 05, 2024

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

RE: J044517.01



WorkOrder: 24020197

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 2/2/2024 3:40:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth & 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.

Client Project: J044517.01

Work Order: 24020197 Report Date: 05-Mar-24

This reporting package includes the following:

1
2
3
5
6
7
9
Appended



Definitions

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020197

Report Date: 05-Mar-24

Abbr Definition

- * Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
- DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- NC Data is not acceptable for compliance purposes
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
 - PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
 - RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
 - RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
 - SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
 - Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
 - TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)



Definitions

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020197

Report Date: 05-Mar-24

Qualifiers

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

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



Case Narrative

http://www.teklabinc.com/

 Work Order:
 24020197

 Report Date:
 05-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Cooler Receipt Temp: NA °C

Locations									
	Collinsville		Springfield		Kansas City				
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road				
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214				
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998				
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998				
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com				
	Collinsville Air		Chicago						
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.						
	Collinsville, IL 62234-7425		Downers Grove, IL 60515						
Phone	(618) 344-1004	Phone	(630) 324-6855						
Fax	(618) 344-1005	Fax							
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com						
	5								



Accreditations

http://www.teklabinc.com/

Work Order: 24020197 Report Date: 05-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

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



Laboratory Results

http://www.teklabinc.com/

Work Order: 24020197

Report Date: 05-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
	, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24020197-001		NELAP	1.0	< 1.0	µg/L	1	03/01/2024 13:50	02/01/2024 3:42
24020197-002		NELAP	1.0	< 1.0	µg/L	1	03/04/2024 9:19	02/01/2024 3:44
24020197-003		NELAP	1.0	1.2	µg/L	1	03/01/2024 13:54	02/01/2024 3:44
24020197-004		NELAP	1.0	< 1.0	µg/L	1	03/01/2024 13:58	02/01/2024 3:45
24020197-005		NELAP	1.0	< 1.0	µg/L	1	03/04/2024 9:30	02/01/2024 3:45
24020197-006		NELAP	1.0	< 1.0	µg/L	1	03/04/2024 9:34	02/01/2024 3:47
24020197-007	A PKE-50	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 9:37	02/01/2024 3:47
24020197-008	A PKE-51	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 10:58	02/01/2024 3:48
24020197-009/	A PKE-52	NELAP	1.0	1.3	µg/L	1	03/04/2024 11:02	02/01/2024 3:48
24020197-010/	A PKE-53	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:05	02/01/2024 3:49
24020197-011/	A PKE-54	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:09	02/01/2024 3:50
24020197-012	A PKE-55	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:13	02/01/2024 3:52
24020197-013/	A PKE-56	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:24	02/01/2024 3:52
24020197-014	A PKE-57	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:27	02/01/2024 3:52
24020197-015	A PKE-58	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:42	02/01/2024 3:54
24020197-016	A PKE-59	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:46	02/01/2024 3:55
24020197-017	A PKE-60	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:49	02/01/2024 3:55
24020197-018/	A PKE-61	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:53	02/01/2024 4:00
24020197-019/	A PKE-62	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 11:57	02/01/2024 4:00
24020197-020/	A PKE-63	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:08	02/01/2024 4:00
24020197-021/	A PKE-64	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:11	02/01/2024 4:01
24020197-022/	A PKE-65	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:15	02/01/2024 4:01
24020197-023/	A PKE-66	NELAP	1.0	23.0	µg/L	5	03/02/2024 8:10	02/01/2024 4:02
24020197-024	A PKE-67	NELAP	1.0	5.7	µg/L	5	03/02/2024 8:14	02/01/2024 4:02
24020197-025	A PKE-68	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:30	02/01/2024 4:05
24020197-026	A PKE-69	NELAP	1.0	3.1	µg/L	5	03/02/2024 8:18	02/01/2024 4:05
24020197-027	A PKE-70	NELAP	1.0	5.8	µg/L	5	03/02/2024 8:22	02/01/2024 4:05
24020197-028	A PKE-71	NELAP	1.0	1.2	µg/L	5	03/02/2024 8:26	02/01/2024 4:06
24020197-029	A PKE-72	NELAP	1.0	2.1	µg/L	1	03/04/2024 12:33	02/01/2024 4:06
24020197-030	A PKE-73	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:37	02/01/2024 4:07
24020197-031/	A PKE-74	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:41	02/01/2024 4:08
24020197-032	A PKE-75	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:44	02/01/2024 4:08
24020197-033/	A JWM-01	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 12:48	02/01/2024 4:42
24020197-034/	A JWM-02	NELAP	1.0	< 1.0	μg/L	1	03/04/2024 12:52	02/01/2024 4:42
24020197-035	A JWM-03	NELAP	1.0	< 1.0	μg/L	1	03/04/2024 12:55	02/01/2024 4:42
24020197-036		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 12:59	02/01/2024 4:43
24020197-037		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 13:21	02/01/2024 4:44
24020197-038/		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 13:25	02/01/2024 4:45
24020197-039/		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 13:28	02/01/2024 4:45
24020197-040/		NELAP	1.0	1.6	μg/L	1	03/04/2024 13:32	02/01/2024 4:46
24020197-041/		NELAP	1.0	1.9	μg/L	1	03/04/2024 13:43	02/01/2024 4:49
24020197-042/		NELAP	1.0	1.6	μg/L	1	03/04/2024 13:47	02/01/2024 4:49
24020197-043/		NELAP	1.0	1.2	μg/L	1	03/04/2024 13:50	02/01/2024 4:49
24020197-044/		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 14:05	02/01/2024 4:52
24020197-045/		NELAP	1.0	1.4	μg/L	5	03/02/2024 8:30	02/01/2024 4:52
24020197-045/		NELAP	1.0	1.4	μg/L	1	03/04/2024 14:08	02/01/2024 4:52
24020197-040/		NELAP	1.0	1.2 < 1.0		1	03/04/2024 14:12	02/01/2024 4:53
2-1020131-0411	A JWM-16	NELAP	1.0	< 1.0 < 1.0	μg/L μg/L	1	03/04/2024 14:12	02/01/2024 4:53



Laboratory Results

http://www.teklabinc.com/

Work Order: 24020197

Report Date: 05-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4	4, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24020197-049	A JWM-17	NELAP	1.0	< 1.0	μg/L	1	03/04/2024 14:19	02/01/2024 4:58
24020197-050	A JWM-18	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 14:23	02/01/2024 4:58
24020197-051	A JWM-19	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 14:27	02/01/2024 4:58
24020197-052	A JWM-20	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 14:30	02/01/2024 5:00
24020197-053	A JWM-21	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 14:34	02/01/2024 5:00
24020197-054	A JWM-22	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 14:38	02/01/2024 5:00
24020197-055	A JWM-23	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 15:00	02/01/2024 5:04
24020197-056	A JWM-24	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 15:03	02/01/2024 5:04
24020197-057	A JWM-25	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 15:07	02/01/2024 5:04
24020197-058	A JWM-26	NELAP	1.0	4.7	µg/L	1	03/04/2024 15:11	02/01/2024 5:06
24020197-059	A JWM-27	NELAP	1.0	1.6	µg/L	1	03/04/2024 15:14	02/01/2024 5:06
24020197-060	A JWM-28	NELAP	1.0	2.8	μg/L	1	03/04/2024 15:18	02/01/2024 5:06



Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020197 Report Date: 05-Mar-24

Carrier: Craig McKinney On: 05-Feb-24 Othor Olocuu Amber Dilallo	R	ceived By: LM Ceviewed by: On: 5-Feb-24 F	Elled Hopkins	ens
Pages to follow: Chain of custody 6 Shipping container/cooler in good condition? Type of thermal preservation? Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle? Sample containers intact? Sufficient sample volume for indicated test? All samples received within holding time?	Extra pages includ Yes V None V Yes V Yes V Yes V Yes V Yes V Yes V Yes V	ded 0 No Ice No	Not Present D Blue Ice	Temp °C NA Dry Ice
Reported field parameters measured: Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are complian 0.1°C - 6.0°C, or when samples are received on ice the same Water – at least one vial per sample has zero headspace?			NA ✔	
Water - TOX containers have zero headspace?	Yes	No 🗌	No TOX containers	
Water - pH acceptable upon receipt? NPDES/CWA TCN interferences checked/treated in the field?	Yes ☑ Yes □	No 🗌 No 🗌	NA 🗌	
Any No responses m	nust be detailed b	elow or on the	COC.	

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

pg. 19 of 40 Work order # 24020197

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

Are these samples Are there any requ	Geotechnology, L 11816 Lackland F 12ip St. Louis, MO 63 Brad Lohrum blohrum@teamues.com s known to be involved in lif s known to be hazardous? uired reporting limits to be r ent section. Yes X	igation? If yes, a surch	arge will	apply	· [97-744] Yes	X] No	L C	Pres ab	erv No	ed i	n:)			BLU FIEL		X	NOIC			LAB	*****	°C E ON	LTC	ж		
Project	Name/Number	Sample	Collec	tor's	s Na	me				N	AT	RIX			1	1	INI	DICA	TEA	NA	LYS	SIS R	EQI	UEST	TED	T		
	4517.01		d Loh							ᆰ		Spc	6	DW -														
X Standard	s Requested 1-2 Day (100% Surcharge) 3 Day (50% Surcharge)	Billing Instruction	ons # UNPRES			of Co HCL	MeOH	1	Aqueous	Drinking Water	Soil	Special Waste	Groundwater	- Lead E200.8														
Lab Use Only	Sample Identification	Date/Time Samp	led 🕅	ω	- -		¥ ¥	<u>اتا</u>		Ē		.	4	ŏ.∞						•						Ļ		
24020192	PKE-44	2/1/24 3:1	12 1							X				X														
50	PKE-45	3:	44 1							X				X														
003	46		- 1							X				X													<u></u>	
004	47	3:1	15 1							X				X														
005	48	+	- 1							X				X		1											<u></u>	
au	49	3:4	17 1							X				X													<u> </u>	
000	50	t	- 1							X				X													<u> </u>	
800	51	3:	48 1							X				X														Por Internet and the second se
019	52	1	- 1							X				X														
010	1 53	- 3)	49 1		MANAGARAN ANA					X		Internation of the		X						_								
	Relinquished By			Date/	Time	• / /	2				-	7	R	eceiv	ed B	у					71	121)ate/1		<u> </u>		
- Fredly	Al and		2/24 2/24	/	- <u>/</u> - 	7-7-5-4 5-4	5 c (0	.			#	<u> </u>	7		2					2		2/0 2V	<u> </u>		54	0		

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



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

Client:	Client: Geotechnology, LLC											ple	s or	1:	8 I	CE	🕅 Bl	UE IC	E] NO	ICE	_			°C	LTG	#		
Address:	11816 Lackland R	oad															🎆 FI					ORI	AB	USE	<u>E ON</u>	<u>LY</u>			
City / State	/ Zip St. Louis, MO 631	146								[L	.ab	No	tes																
Contact:	Brad Lohrum		Phone	:	(31-	4) 99	7-744	10																					
E-Mail:	blohrum@teamues.com		Fax:							с	lien	t C	omn	ne	nts:														
Are these samples	s known to be involved in lit	igation? If yes, a s	urcharge v	will a	pply		Yes	X	No																				ļ
Are these samples	s known to be hazardous?	🗌 Yes 🛛 No)																										
Are there any requiring in the comm	ired reporting limits to be n ent section. Yes X	net on the request	ed analysi	s?. If	yes,	plea	se pr	ovide																					
	Name/Number		ple Col	lect	or's	Nar	ne			┯┷	M	AT	RIX		Т			11	NDIC	ATE	AN/	ALYS	IS R	EQI	JEST	ED	(1111)		
-	4517.01		Brad Lo								Ð		1,	2		DW -					Τ								Ī
Result	s Requested	- Billing Instru				ype o	of Co	ontair	iers	B	Drinking Water		Sludae		Groundwater	V - Le		1											
	1-2 Day (100% Surcharge)			ç	T 7	, II		Z Na	0	ueo	Du Du	Soil	sludae	2	ndw	Lead													
0ther	3 Day (50% Surcharge)			UNPRES		H2SO4	뒅	MeOH	or HER	sn	Wat	ľ	e	1.	rate	E200.8													
Lab Use Only	Sample Identification	Date/Time S	ampled	s				<u>+</u>	`[~		ę		19	<u>`</u>		.œ				_		<u> </u>		<u> </u>					
24020977	PKE-54	2/1/24	3:50	1							Х				_	X													
0n	PKE-55		3:52	1							X					X													
613	1 56			1							X					X												L	
014	57			1							Х					X													
015	5\$		354	1							Х					X													
016	59		3:55	1							Х					Х													
600	60		+	1		-					X					X													
810	6	1	4:00	1							X					X													
019	67			1							X					X													
- <u>017</u>	- 63		-	1							Х					X													
	Relinquished By			D	ate/1	Гime				ŀ					Rec	eive	d By				Ī		1)ate/1				
Rull	An	Z	2/2/2	24	1	2 E	30			\square		¢		1	1-							2/2	2/2	24		· 2]) C	·/	
	H	1	5/5/2	LΥ		5	-Ţ	0		T		$\overline{\langle}$	Ŕ	$\overline{\langle}$	$\overline{\gamma}$	n	0				T	212	2/21	1		15	-10		
			Jan							1		÷	-	****															
										1																			

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

BottleOrder: 80481

pg. 20 of 4° Work order # 24020197



51. 00401

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

Are these samples	Geotechnology 11816 Lackland / Zip St. Louis, MO Brad Lohrum blohrum@teamues.con s known to be involved in s known to be hazardous	I Road 53146 h h litigation? If yes,			<u> </u>		7-744(Yes		 No	P	res ab	erv No1	ed ir	n: 题	ICE LAB s:					NOIC		DR L	AB I				¥	
limits in the comm	ired reporting limits to b ent section.	X No	ested analysi ample Col					vide			M	AT	RIX					INE	DICA	TEA	NAL	YSI	s re	EQU	EST	ED		
J04 Result s X Standard	4517.01 5 Requested 1-2 Day (100% Surcharge)	Billing Ins	Brad Lo	ohru ##	um and Ty	ype c	f Cor			Aqueous	Drink		Special Waste	Groundwater	DW - Lead E2													
Lab Use Only 2402827 021 023 023	Sample Identification Date/Time Sampled \overrightarrow{R} \overrightarrow{C} \overrightarrow{T} \overrightarrow{L} \overrightarrow{PKE} $\overrightarrow{O4}$ $2/1/24$ $4:ol$ 1 \overrightarrow{L} \overrightarrow{PKE} $\overrightarrow{O5}$ $+$ 1 \overrightarrow{L} \overrightarrow{PKE} $\overrightarrow{O5}$ $+$ 1 \overrightarrow{L} $\overrightarrow{O5}$ $+$ 1 1 \overrightarrow{L} $\overrightarrow{O5}$ $ 1$ 1								R		ter × × × ×				E200.8 × × × × ×													
025 026 027 028 029 029 030 Bud 0	68 69 70 71 72 73 Relinquished By	4:05 4:06 + 4:07 2/2/:	1	ate/T	ime 2	30							Re	X X X X X X X X X	ed By	Y					2/	/2/	<u></u> 2-y 1	ate/T	<u>ime</u>			
			j×/ ø. þ8	<u> </u>		<u></u>							} 	<u>v (</u>	<u></u>								16	<u> </u>				 •

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

BottleOrder: 80481

pg. 2 | of 40 Work order # 24020197



pg. Z.2-of 40 Work order # 24020197

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

Client:		Geotechnology, L	LC								i		San	npl	es	on:		ICE		BLU	E ICE		NOI	CE			G	°C	LTG	#		
Address:		11816 Lackland F	Road										Pre	ser	vec	d in	1	LAB	飌	FIEL	D			F	<u>OR l</u>	AB	USE	ON	LY			
City / State	/ Zip	St. Louis, MO 63	146										Lab	No	otes	s																
Contact:	Brad Lo	ohrum		Phon	e:	(3	314)	997	-744	0																						
E-Mail:	blohrur	n@teamues.com		Fax:		_						- 0	lie	nt C	Con	nme	ents	5:														
		to be involved in li to be hazardous?			will	appl	y		Yes	X	No	,																				
Are there any requ	uired rep	orting limits to be i ion. [] Yes []	met on the r		sis?.	lf ye	es, p	leas	e pro	vide																						
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J04	4517	.01		Brad L	ohi	run	า						D.			Sc	ച	DW -								1						
Result	s Req	uested	Billing	Instructions	#	and	Ту	pe o	f Coi	ntain	ers	Ą	nkir	S	S)ecia	lour	- Lead														
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Lab Use Only	Sam	ple Identification	N% Surcharge) UN RES UN RES N RES										<u>e</u>			ö	<u> </u>	0.8									<u> </u>	Ļ		 	L	
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BottleOrder: 80481



pg. 2.3 of 40 Work order # 24020197

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

Client:	Geotechnology, Ll	LC									San	ples	s on	<u> </u>] ICE		BLU	E ICE		NO IO)E			0	C	LTG	#		
Address:	11816 Lackland R										Pres	serve	ed ir	. 33	LAB	8	FIEL	D			<u>F</u>	<u>OR L</u>	AB (USE	ONL	<u>_Y</u>			
City / State	Zip St. Louis, MO 631	146									Lab	Not	es																
Contact:	Brad Lohrum		_ Phone	: :	(31	4) 99	7-744	0																					
E-Mail:	blohrum@teamues.com		_ Fax:								lier	nt Co	mm	ent	s:														
Are these samples	known to be involved in lit	igation? If yes,	a surcharge	will a	apply	[Yes	X	No																				
	known to be hazardous?																												
Are there any requi	ired reporting limits to be n ent section.	net on the requ	ested analysi	is?. 1	f yes	plea	ise pro	vide																					
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J04	4517.01		Brad Lo	ohr	um						₫		s	6	R														
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Other	3 Day (50% Surcharge)			UPRE	NÖG	2SO	ΨC	MANU	OTHER	ŝ	Wat	Ē	Vast	/ate	E200.8													1	
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BottleOrder: 80481



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

Client:		Geotechnology, Ll	LC										T	Sai	mp	les	on:		ICE	8	BLU	E ICE	20		CE			0	C	LTG	#	
Address:		11816 Lackland R	load											Pre	ese	rve	d in	1	LAB	1	FIEL	D			F	<u>or l</u>	AB	USE	ON	<u>_Y</u>		
City / State	/ Zip	St. Louis, MO 63'	146											Lal	b N	ote	5															
Contact:	Brad Lo	hrum			Pho	ne:	(314)	997	-744	0																					
F	blohrun	n@teamues.com			Fax:									Clie	nt	Cor	nme	ente	s:													
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		to be hazardous?					app	3	<u>ب</u>	103	23																					
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J04	4517	.01			Brad									Dri			dS	٩ ٩	DW -													
Results	s Requ	lested	Bil	ling Ins	struction	-	# and	1					Aqueous	Drinking Water	S	Slu	Special Waste	Groundwater	- Lead													
X Standard						g	Ξ	z	НN	-		<u> </u>]	Jeor	V DI	Soil	Sludge	ž	Ndw	ad E													
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Lab Use Only	Sam	ple Identification		Date/Tim	e Sampled	۱Ľ	`		_		ţ.		L	P		_	Ľ	·	ά						<u> </u>			<u> </u>	-	┝		
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BottleOrder: 80481

pg.24 of 40 Work order # 24020197





http://www.teklabinc.com/

March 06, 2024

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

RE: J044517.01



WorkOrder: 24020198

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 2/2/2024 3:40:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth & 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.

Client Project: J044517.01

Work Order: 24020198 Report Date: 06-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



Definitions

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020198

Report Date: 06-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

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020198

Report Date: 06-Mar-24

Qualifiers

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

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



Case Narrative

http://www.teklabinc.com/

Work Order: 24020198 Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Cooler Receipt Temp: NA °C

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



Accreditations

http://www.teklabinc.com/

Work Order: 24020198 Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

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



Laboratory Results

http://www.teklabinc.com/

Work Order: 24020198

Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4	4, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24020198-001	A JWM-29	NELAP	1.0	3.2	µg/L	1	03/04/2024 15:22	02/01/2024 5:07
24020198-002	A JWM-30	NELAP	1.0	3.0	µg/L	1	03/04/2024 15:25	02/01/2024 5:07
24020198-003	A JWM-31	NELAP	1.0	4.5	µg/L	1	03/04/2024 15:40	02/01/2024 5:07
24020198-004	A JWM-32	NELAP	1.0	10.7	µg/L	1	03/01/2024 22:06	02/01/2024 5:07
24020198-005	A JWM-33	NELAP	1.0	12.7	µg/L	1	03/01/2024 22:10	02/01/2024 5:07
24020198-006	A JWM-34	NELAP	1.0	2.0	µg/L	1	03/01/2024 22:14	02/01/2024 5:07
24020198-007	A JWM-35	NELAP	1.0	3.1	µg/L	1	03/01/2024 22:19	02/01/2024 5:09
24020198-008	A JWM-36	NELAP	1.0	1.8	µg/L	5	02/23/2024 19:47	02/01/2024 5:09
24020198-009	A JWM-37	NELAP	1.0	3.1	µg/L	1	03/01/2024 22:23	02/01/2024 5:09
24020198-010	A JWM-38	NELAP	1.0	3.6	µg/L	1	03/01/2024 22:27	02/01/2024 5:09
24020198-011	A JWM-39	NELAP	1.0	2.8	µg/L	1	03/01/2024 22:31	02/01/2024 5:10
24020198-012	A JWM-40	NELAP	1.0	3.0	µg/L	1	03/01/2024 23:02	02/01/2024 5:10
24020198-013	A JWM-41	NELAP	1.0	3.9	µg/L	1	03/01/2024 23:06	02/01/2024 5:10
24020198-014	A JWM-42	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 22:36	02/01/2024 5:13
24020198-015	A JWM-43	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 23:10	02/01/2024 5:15
24020198-016	A JWM-44	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 23:15	02/01/2024 5:15
24020198-017	A JWM-45	NELAP	1.0	< 1.0	μg/L	1	03/01/2024 23:19	02/01/2024 5:16
24020198-018	A JWM-46	NELAP	1.0	< 1.0	μg/L	1	03/01/2024 23:23	02/01/2024 5:16
24020198-019		NELAP	1.0	< 1.0	μg/L	1	03/01/2024 23:28	02/01/2024 5:16
24020198-020		NELAP	1.0	1.2	μg/L	1	03/01/2024 23:58	02/01/2024 5:19
24020198-021		NELAP	1.0	2.1	μg/L	1	03/01/2024 23:32	02/01/2024 5:19
24020198-022		NELAP	1.0	1.2	μg/L	1	03/02/2024 0:02	02/01/2024 5:19
24020198-023		NELAP	1.0	1.4	μg/L	1	03/02/2024 0:06	02/01/2024 5:19
24020198-024		NELAP	1.0	< 1.0	µg/L	1	03/02/2024 0:11	02/01/2024 5:19
24020198-025		NELAP	1.0	< 1.0	µg/L	1	03/02/2024 0:15	02/01/2024 5:19
24020198-026		NELAP	1.0	1.0	µg/L	5	02/23/2024 19:51	02/01/2024 5:22
24020198-027		NELAP	1.0	< 1.0	µg/L	5	02/23/2024 19:54	02/01/2024 5:22
24020198-028		NELAP	1.0	< 1.0	µg/L	1	03/02/2024 0:19	02/01/2024 5:22
24020198-029		NELAP	1.0	< 1.0	µg/L	1	03/02/2024 0:24	02/01/2024 5:22
24020198-030		NELAP	1.0	1.4	µg/L	1	03/04/2024 15:51	02/01/2024 5:22
24020198-031		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 15:55	02/01/2024 5:22
24020198-032		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 15:58	02/01/2024 5:23
24020198-033		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 16:02	02/01/2024 5:27
24020198-034		NELAP	1.0	< 1.0	μg/L	1	03/04/2024 16:06	02/01/2024 5:27
24020198-036		NELAP	1.0	1.7	μg/L	1	03/02/2024 0:28	02/01/2024 5:30
24020198-037		NELAP	1.0	1.9	μg/L	1	03/04/2024 16:09	02/01/2024 5:30
24020198-038		NELAP	1.0	3.6	μg/L	1	03/04/2024 16:13	02/01/2024 5:30
24020198-039		NELAP	1.0	6.5	μg/L	1	03/04/2024 16:28	02/01/2024 5:30
24020198-040		NELAP	1.0	3.9	μg/L	1	03/04/2024 16:31	02/01/2024 5:30
24020198-040		NELAP	1.0	2.1	μg/L μg/L	1	03/04/2024 16:35	02/01/2024 5:30
24020198-041							03/05/2024 13:32	
24020198-042		NELAP NELAP	1.0 1.0	2.6	µg/L	1 1	03/04/2024 16:50	02/01/2024 5:30 02/01/2024 5:30
24020198-043		NELAP	1.0	6.7	μg/L	1	03/04/2024 16:50	02/01/2024 5:30
24020198-044				3.8 3.0	µg/L			
			1.0	3.0	µg/L	1	03/04/2024 16:57	02/01/2024 5:34
24020198-046 24020198-047			1.0	2.3	µg/L	1	03/04/2024 17:01	02/01/2024 5:34
			1.0	1.4	µg/L	1	03/04/2024 17:15	02/01/2024 5:34
24020198-048			1.0	1.6	µg/L	1	03/01/2024 15:48	02/01/2024 5:34
24020198-049	A JWM-77	NELAP	1.0	1.0	µg/L	1	03/01/2024 15:51	02/01/2024 5:34



Laboratory Results

http://www.teklabinc.com/

Work Order: 24020198

Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4	4, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24020198-050	A JWM-78	NELAP	1.0	1.4	µg/L	1	03/01/2024 15:55	02/01/2024 5:34
24020198-051	A JWM-79	NELAP	1.0	1.5	µg/L	1	03/01/2024 15:59	02/01/2024 5:34
24020198-052	A JWM-80	NELAP	1.0	1.8	µg/L	1	03/01/2024 16:02	02/01/2024 5:34
24020198-053	A JWM-81	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 16:06	02/01/2024 5:38
24020198-054	A JWM-82	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 16:10	02/01/2024 5:38
24020198-055	A JWM-83	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 16:13	02/01/2024 5:38
24020198-056	A JWM-84	NELAP	1.0	1.3	µg/L	1	03/01/2024 16:17	02/01/2024 5:41
24020198-057	A JWM-85	NELAP	1.0	1.0	µg/L	1	03/01/2024 16:39	02/01/2024 5:41
24020198-058	A JWM-86	NELAP	1.0	2.7	μg/L	1	03/01/2024 16:43	02/01/2024 5:41
24020198-059	A JWM-87	NELAP	1.0	3.0	μg/L	1	03/01/2024 16:46	02/01/2024 5:41
24020198-060	A JWM-88	NELAP	1.0	2.2	μg/L	1	03/01/2024 16:50	02/01/2024 5:41



Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020198 Report Date: 06-Mar-24

On: 05-Feb-24 Other Dilallo	On: 06-Feb-24	Elled Hopke Ellie Hopkins	nd
Shipping container/cooler in good condition?YeType of thermal preservation?NonChain of custody present?YeChain of custody signed when relinquished and received?YeChain of custody agrees with sample labels?YeSamples in proper container/bottle?Ye	es ✔ No □ es ✔ No □ es □ No ✔ es ✔ No □ es ✔ No □ es ✔ No □	Not Present Blue Ice	Temp °C NA Dry Ice □
All samples received within holding time? Ye Reported field parameters measured: Fie Container/Temp Blank temperature in compliance? Ye When thermal preservation is required, samples are compliant with a to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C, or when samples are received on ice the same day as to 0.1°C - 6.0°C.	es V No eld Lab es V No temperature between collected.	NA 🗹	
Water - TOX containers have zero headspace? Ye	es □ No □ es □ No □ es □ No □	No TOX containers NA NA NA	

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

JWM-63 was not received. - DS/ERH 2/6/24

pg. 25 of 40 Work order # 24020198

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

Client:		Geotechnology, L	LC											T	San	nple	es (on:		ICE		BLU	E ICE	闽	10 10	E	1	NA	°(C	LTG	¥		
Address:		11816 Lackland F	Road												Pre	ser	vec	l in:	X	LAB	2	FIEL	D			FC	DRL	<u>AB I</u>	<u>JSE</u>		Y DS	21		
City / State	/ Zip	St. Louis, MO 63	146												Lab	No	otes	5 SC	m	ple		34	M -	63	• _ 4	not	. 5	ودور	vel	X	DZ	15		
Contact:	Brad L				P	hone):	(3	14)	997-	744()											÷.			· · ·	. 1	••••						
E-Mail:	blohrur	n@teamues.com			_	ax:	-								رمزا:	nt (lon	nme	nt<	::														┥
Are these samples	knour	to be involved in li	linatio	on2 If yes	9 5117	charge	will -	annh	1	П、	/ac	X	No		1141			11111		2.														
		to be hazardous?				alaige	**!(1	арра		<u> </u>	100	22	110																					
		oorting limits to be i tion. 🏾 Yes 💈			lested	analys	is?.	lf ye:	s, pl	ease	pro	vide																						
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J04	4517	.01			Br	ad Lo	ohr	um	1						Þ			S	۵	DW -														
Result	s Req	uested	Bi	lling Ins	struct	tions	#	and	Тур	e of	Con	tain	ers	A	inki		S	peci	rou	/ - Le														
Standard Other		r (100% Surcharge) ay (50% Surcharge)		U			UNPR	HNO	NaOt	H2SO		NaHSO4	OTHE	Aqueous	Drinking Water	Soil	udge	Special Waste	Groundwater	Lead E200.8														
Lab Use Only	Sam	ple Identification		Date/Tim	e Sam	pled	5	ω		Ā		4	R		Ē			ਿੱ	Ÿ	0.8										<u> </u>				
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TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

E-Mail: Are these samples Are these samples Are there any requ	Brad Lohrum blohrum@teamues.com s known to be involved in s known to be hazardous ired reporting limits to b	Road 33146 Ittigation? If yes ?	No	will a	ipply]] Yes	Ď	No	-	Pre	se N	otes	d in: s		LAB		BLUE				FO	RL/	AB U) ONL			
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pg. 27 of 40 Work order # 240201918

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

Client:		Geotechnology, Ll	LC										T	Sar	npl	es	on:	3] ICE	·	BLU	E ICE		NO I	CE	 		C	°C	LTC	¥		
Address:		11816 Lackland R												Pre	sei	ve	d in	; 🕅	LAE	8	FIEL	D	с ^К .,		F	<u>OR I</u>	AB	USE	E ON	<u>LY</u>			
City / State	/ Zip	St. Louis, MO 631	146											Lab	N	ote	5					•••				•	· · ·	· · · ·			1111 1111		
Contact:	Brad Lo	ohrum			_ Phon	e:	(314	997	7-744	0										. '												
E-Mail:	blohrun	n@teamues.com			_ Fax:								- [Clie	nt (Cor	nme	ent	s:														
Are these samples	s known	to be involved in liti	igation	? If yes,	a surcharge	e will	app	ly		Yes	X	No																					
		to be hazardous?	_			· .																											
Are there any requi	ared rep ent sect	oorting limits to be m tion.	No	the requ	ested analy	sis?.	lf ye	es, p	leas	e pro	wide																						
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Standard	1-2 Day	(100% Surcharge)					-	-	т			0	uec	İng	Soil	Sludge	ial V	nd	Lead	·													
Other	[] 3 Da	ay (50% Surcharge)				NPRE	HN03	a o f	H2SO4	티	MACH	OTHER	sne	Wat	-	Ĩ.	Vast	vate	E200.8												ŀ		
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TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:		Geotechnology, L	LC											T	Sa	m	ples	on	88	ICI		BL	UE IC	E	NO	CE	· -			°C	LTC	#		
Address:		11816 Lackland R	oad												Pre	es	erve	ed ir	1:	LA	B	🛛 FIE	LD			<u></u>	ORI	AB	USE	E ON	LY			
City / State	/ Zip	St. Louis, MO 63	146												La	bl	Note	s										• •				1 1 1 1 1 1		
Contact:	Brad Lo	hrum			Pho	one		(3	14)	997	744)		-									· .					•					· · · · ·	
E-Mail:	blohrun	n@teamues.com			_ Fax	:								- [Clie	ent	: Co	mm	en	ts:														
Are these sample:	s known	to be involved in lit	igatio	on? If yes	s, a surcha	rge w	rill a	ipply	/		Yes	X	No	,																				
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BottleOrder: 80481

pg. 28 of 40 Work order # 24020198



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

Client:	Geotechnology, L	LC									Sa	am	ples	on	8] ICE	1022	BLU	E ICE		NO IC	E				°C	LTG	#		
Address:	11816 Lackland R										Pi	res	erve	ed in	: 🕅		3	FIEL	D		· * .	<u> </u>	OR L	AB	USE	ON	LY			
City / State	/ Zip St. Louis, MO 63	146									La	ab	Note	s			· · · ·								. 1. 4. 4			i i Second	n san Santa	
Contact:	Brad Lohrum		_ Phone) :	(3	14) 9	97-74	40																	· · ·					ister 1. j. a. a
E-Mail:	blohrum@teamues.com		_ Fax:		_						Cli	ient	t Co	mm	ent	s:														
Are these samples	s known to be involved in lit	igation? If yes,	a surcharge	will a	apply	/	Ye	s j	N 🛛	0																				
•	s known to be hazardous?		No																											
Are there any requi	ired reporting limits to be n ent section. Yes X	net on the requ	ested analys	is?.	If yes	s, ple	ase p	rovid	e																					
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Results	s Requested	Billing Ins					of C	ontai	ners		Aqueous	rint	S	Special Waste	Groundwater															
	1-2 Day (100% Surcharge)				_			7	z lo	200			Sludge	ial v	Į nd	Lead														
Other	3 Day (50% Surcharge)			NPRE	HNO3	la OF	HCL	MeOH	NaHSO4	2	Man National States		ē	Vast	vate	E200.														
Lab Use Only	Sample Identification	Date/Time	e Sampled	ŝ		- +		-	* *	1	<u>a</u>	P,		ଜ	Ť	0,8														
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On	JWM- 70	1	1	1)	X				Х														
043	1 71			1								X				Х														
044	72		5:31	1								X				Х														
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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

pg. 29 of 40 Work order # 24020198



pg. 30 of 40 Work order # 24020198

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

Client:	Geotechnology, Ll	_C									Sar	mpi	les	on:	**	ICE] BLU	E ICE		NO IC	E			•	C	LTG	¥	
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City / State	/ Zip St. Louis, MO 631	46									Lat	b N	ote	S			÷					· .		·	t ati				
Contact:	Brad Lohrum		_ Phone): 	(3	4) 9	97-74	40		-																· · · ·		· · : · · · ·	
E-Mail:	blohrum@teamues.com		Fax:		••••••					- [Clie	nt	Cor	nme	ent	s:													
Are these samples	s known to be involved in lit	igation? If yes,	a surcharge	will a	apply	[] Ye	5 2	No	,																			
	s known to be hazardous?																												
	ired reporting limits to be n ent section. 📋 Yes 🛛		ested analysi	is?. I	f yes	, plea	ase pi	rovide	9																				
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Other	3 Day (50% Surcharge)			NPR	HNO3	NaOH	H	MeOH	NaHSO4	Sus	Drinking Water	Γ	Je	Special Waste	Groundwater	E200.													
Lab Use Only	Sample Identification	Date/Time	Sampled	S	Ű	4		-	× ~		er			ſē	Ŧ	0,8													
24020135	JWM - 79	2/1/24	5:34	1							X					X													
052	JWM- 80		+	1							X					X													
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057	85		1	1							X					Х													
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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.





http://www.teklabinc.com/

March 06, 2024

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

RE: J044517.01



WorkOrder: 24020199

Dear Brad Lohrum:

TEKLAB, INC received 60 samples on 2/2/2024 3:40:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth & 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.

Client Project: J044517.01

Work Order: 24020199 Report Date: 06-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



Definitions

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020199

Report Date: 06-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

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020199

Report Date: 06-Mar-24

Qualifiers

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

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



Case Narrative

http://www.teklabinc.com/

Work Order: 24020199 Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Cooler Receipt Temp: NA °C

			Locations		
	Collinsville		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		
	5				



Accreditations

http://www.teklabinc.com/

Work Order: 24020199 Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

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



Laboratory Results

http://www.teklabinc.com/

Work Order: 24020199

Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

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, META	LS BY ICPMS (TOTAL)						
Lead								
24020199-001	A JWM-89	NELAP	1.0	1.9	µg/L	1	03/01/2024 17:01	02/01/2024 5:41
24020199-002	A JWM-90	NELAP	1.0	1.9	μg/L	1	03/01/2024 17:05	02/01/2024 5:41
24020199-003	A JWM-91	NELAP	1.0	2.8	µg/L	1	03/01/2024 17:26	02/01/2024 5:41
24020199-004	A JWM-92	NELAP	1.0	6.8	μg/L	1	03/01/2024 17:30	02/01/2024 5:42
24020199-005	A JWM-93	NELAP	1.0	2.9	µg/L	1	03/01/2024 17:34	02/01/2024 5:45
24020199-006		NELAP	1.0	2.3	µg/L	1	03/01/2024 17:37	02/01/2024 5:45
24020199-007	A JWM-95	NELAP	1.0	2.7	µg/L	1	03/01/2024 17:41	02/01/2024 5:45
24020199-008	A JWM-96	NELAP	1.0	3.2	µg/L	1	03/01/2024 17:45	02/01/2024 5:45
24020199-009	A JWM-97	NELAP	1.0	2.8	µg/L	1	03/01/2024 17:48	02/01/2024 5:45
24020199-010	A JWM-98	NELAP	1.0	1.9	µg/L	1	03/01/2024 17:52	02/01/2024 5:45
24020199-011	A JWM-99	NELAP	1.0	2.3	µg/L	1	03/01/2024 17:56	02/01/2024 5:45
24020199-012	A JWM-100	NELAP	1.0	3.0	µg/L	1	03/01/2024 17:59	02/01/2024 5:45
24020199-013	A BRH-01	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 18:14	02/01/2024 6:06
24020199-014	A BRH-02	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 18:18	02/01/2024 6:06
24020199-015	A BRH-03	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 18:29	02/01/2024 6:08
24020199-016	A BRH-04	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 18:32	02/01/2024 6:08
24020199-017	A BRH-05	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 18:36	02/01/2024 6:08
24020199-018	A BRH-06	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 18:40	02/01/2024 6:08
24020199-019	A BRH-07	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:02	02/01/2024 6:08
24020199-020	A BRH-08	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:05	02/01/2024 6:08
24020199-021	A BRH-09	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:09	02/01/2024 6:11
24020199-022	A BRH-10	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:13	02/01/2024 6:12
24020199-023	A BRH-11	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:16	02/01/2024 6:13
24020199-024	A BRH-12	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:20	02/01/2024 6:14
24020199-025	A BRH-13	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:24	02/01/2024 6:15
24020199-026	A BRH-14	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:27	02/01/2024 6:15
24020199-027	A BRH-15	NELAP	1.0	< 1.0	µg/L	1	03/01/2024 19:31	02/01/2024 6:16
24020199-028	A BRH-16	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 19:45	02/01/2024 6:17
24020199-029	A BRH-17	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 19:49	02/01/2024 6:18
24020199-030	A BRH-18	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 20:00	02/01/2024 6:19
24020199-031	A BRH-19	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 20:04	02/01/2024 6:19
24020199-032	A BRH-20	NELAP	1.0	1.2	µg/L	1	03/04/2024 20:07	02/01/2024 6:20
24020199-033		NELAP	1.0	< 1.0	µg/L	1	03/04/2024 20:11	02/01/2024 6:21
24020199-034		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:09	02/01/2024 6:21
24020199-035		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:13	02/01/2024 6:22
24020199-036		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:24	02/01/2024 6:22
24020199-037		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:27	02/01/2024 6:24
24020199-038		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:31	02/01/2024 6:24
24020199-039		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:46	02/01/2024 6:24
24020199-040		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:49	02/01/2024 6:25
24020199-041		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:53	02/01/2024 6:25
24020199-041 24020199-042		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 14:57	02/01/2024 6:25
24020199-042 24020199-043		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 15:01	02/01/2024 6:26
24020199-043		NELAP	1.0	< 1.0	µg/L	1	03/05/2024 15:04	02/01/2024 6:26
24020199-044 24020199-045		NELAP	1.0			1	03/05/2024 15:04	02/01/2024 6:26
24020199-045 24020199-046		NELAP	1.0	< 1.0 4.5	µg/L	5	02/23/2024 19:58	02/01/2024 6:28
24020199-040		NELAP	1.0		µg/L	э 1	03/05/2024 15:12	02/01/2024 6:28
				< 1.0	µg/L			
24020199-048	A BRH-36	NELAP	1.0	1.4	µg/L	1	03/05/2024 14:05	02/01/2024 6:29





Laboratory Results

http://www.teklabinc.com/

Work Order: 24020199

Report Date: 06-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Matrix: DRINKING WATER

	-							
Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4	4, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24020199-049	A BRH-37	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 17:48	02/01/2024 6:29
24020199-050	A BRH-38	NELAP	1.0	1.7	µg/L	1	03/04/2024 18:03	02/01/2024 6:29
24020199-051	A BRH-39	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:06	02/01/2024 6:29
24020199-052	A BRH-40	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:10	02/01/2024 6:30
24020199-053	A BRH-41	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:14	02/01/2024 6:31
24020199-054	A BRH-42	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:17	02/01/2024 6:31
24020199-055	A BRH-43	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:21	02/01/2024 6:31
24020199-056	A BRH-44	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:32	02/01/2024 6:33
24020199-057	A BRH-45	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:36	02/01/2024 6:38
24020199-058	A BRH-46	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:50	02/01/2024 6:40
24020199-059	A BRH-47	NELAP	1.0	1.1	µg/L	1	03/04/2024 18:54	02/01/2024 6:40
24020199-060	A BRH-48	NELAP	1.0	< 1.0	µg/L	1	03/04/2024 18:58	02/01/2024 6:42

Page 8 of 9



Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020199 Report Date: 06-Mar-24

Carrier: Craig McKinney On: 05-Feb-24 Othor Olocuto Amber Dilallo	Received By Reviewed b On: 06-Feb-24		end
Pages to follow: Chain of custody 6 H Shipping container/cooler in good condition? Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle? Sample containers intact? Sufficient sample volume for indicated test? All samples received within holding time?	Yes ♥ No None ♥ Ice Yes ♥ No Yes ♥ No Yes ♥ No Yes ♥ No Yes ♥ No	Blue Ice	Temp °C NA Dry Ice
Reported field parameters measured: Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are compliant 0.1°C - 6.0°C, or when samples are received on ice the same Water – at least one vial per sample has zero headspace? Water - TOX containers have zero headspace? Water - pH acceptable upon receipt? NPDES/CWA TCN interferences checked/treated in the field?	day as collected. Yes □ No Yes □ No Yes ☑ No	D □ D □ D □ No VOA vials ✔	
	Yes No		

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

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

Client: Geotechnology, L Address: 11816 Lackland R City / State / Zip St. Louis, MO 63 Contact: Brad Lohrum E-Mail: blohrum@teamues.com Are these samples known to be involved in lift Are these samples known to be hazardous? Are there any required reporting limits to be r Imits in the comment section. Yes Project Name/Number	Road 146 Phone Fax: tigation? If yes, a surcharge Yes X No met on the requested analys No	e will apply 🗌 Yes 🕅 No	Samples on: Ince BLUE ICE NOT Preserved in: A LAB FIELD Lab Notes Client Comments:	
J044517.01 Results Requested Standard 1-2 Day (100% Surcharge) Other 3 Day (50% Surcharge) Lab Use Only Sample Identification	Billing Instructions	ohrum		
24020199 JWM - 89 $301 JWM - 89 01 JWM - 90 03 JWM - 90 03 JWM - 90 03 JWM - 90 910 JWM - 90 93 003 JWM - 90 93 003 JWM - 90 93 003 JWM - 90 95 JWM - 90 95 JWM - 90 95 JWM - 90 95 $	2/1/24 5:41 5:42 5:45 1 2/2/3 2/2/3	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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

pg. 3 of 4° Work order # 24020199



TEKLAB	INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone	: (618	3) 344-1004	- Fax:	(618) 344-1005
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Client:	Geotechnology, L	LC									- 8									IE ICI		NO		-			°C		LTG#			_
Address:	11816 Lackland F											Pre	se	rve	d in		LAB] FIEI	D			F	OR	LAE	<u>3 US</u>	<u>SE C</u>	DNLY	<u>(</u>			
City / State	/ Zip St. Louis, MO 63	146										Lat	b N	ote	S																	
Contact:	Brad Lohrum		_ Phone): 	(3	14)	997-	744()		-																					
E-Mail:	blohrum@teamues.com		_ Fax:								- [Clie	nt	Cor	nme	ents	5:															
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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

pg. 32 of 40 Work order # 24020199



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

Client:	Geotechnolog	-													ICE					NO I			40		°C		¥		
Address:	11816 Lacklar													1: 📖	LAB		FIEL	D			<u> -1</u>		AB	USE		LY			
City / State	/ Zip St. Louis, MO	63146								La	abl	Not	es																
Contact:	Brad Lohrum		_ Phone	e:	(31	4) 99	7-7440																			_			
E-Mail:	blohrum@teamues.co	m	_ Fax:							Cli	ien	t Co	mm	ent	s:														
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BottleOrder: 80481

pg. 33 of 40 Work order # 24020199



pg. 34 of 40 Work order # 24020199

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

Client:	Geotechnology, L	LC								s	am	ples	s on	: 🖾] ICE		BLI	JE ICI	E 🕅] NO	ICE				°C	L	TG#			
Address:	11816 Lackland F	Road								P	res	erve	ed ir	า: 🗵	LAE] FIE	LD			Ē	OR	LAB	US	E O	NLY				
City / State	/ Zip St. Louis, MO 63	146								La	ab	Note	es																	
Contact:	Brad Lohrum		Phone):	(31	4) 997	-7440																							
E-Mail:	blohrum@teamues.com		Fax:							Cli	ient	t Co	mm	ent	s:															
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TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Geotechnology, L	LC			San	ples	on: 🛙	ICE	BLUE ICE 📓 NO IC	EOC	LTG#
Address:	11816 Lackland F	load			Pres	erved	t in: 🛛		🕅 FIELD	FOR LAB USE ON	NLY
City / State	/ Zip St. Louis, MO 63	146			Lab	Notes	5				
Contact:	Brad Lohrum	Phone	e: (314) 997-7440								
E-Mail:	blohrum@teamues.com	Fax:			Clien	t Con	nmen	ts:	·····		
Are these sample	s known to be involved in li	tigation? If yes, a surcharge	will apply	No No							
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pg. 36 of 40 Work order # 24020199

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

Client:	Geotechnology, L	LC			Sam	ples	on:		CE	🕅 BLUE	ICE		CE		_°C	LT(G#		
Address:	11816 Lackland F	Road			Pres	serve	d in:	: 🕅 I	LAB	📓 FIELI	D		FOR	LAB	JSE O	NLY			
City / State	/ Zip St. Louis, MO 63	146			Lab	Note	s												
Contact:	Brad Lohrum	Phone	e: (314) 997-7440)															
E-Mail:	blohrum@teamues.com	Fax:			Clien	t Cor	nme	ents	:										
Are these sample	s known to be involved in li	tigation? If yes, a surcharge	will apply 🗌 Yes	🕅 No	1														
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http://www.teklabinc.com/

March 08, 2024

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

RE: J044517.01



WorkOrder: 24020886

Dear Brad Lohrum:

TEKLAB, INC received 29 samples on 2/12/2024 11:20:00 AM 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 & 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.

Client Project: J044517.01

Work Order: 24020886 Report Date: 08-Mar-24

This reporting package includes the following:

1
2
3
5
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7
8
Appended



Definitions

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020886

Report Date: 08-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)



Client Project: J044517.01

Definitions

http://www.teklabinc.com/

Work Order: 24020886

Report Date: 08-Mar-24

Qualifiers

- Unknown hydrocarbon

Client: Geotechnology, Inc.

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

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



Case Narrative

http://www.teklabinc.com/

Work Order: 24020886 Report Date: 08-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Cooler Receipt Temp: NA °C

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



Accreditations

http://www.teklabinc.com/

Work Order: 24020886

Report Date: 08-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

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



Laboratory Results

http://www.teklabinc.com/

Work Order: 24020886

Report Date: 08-Mar-24

Client: Geotechnology, Inc.

Client Project: J044517.01

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4	I, 200.8 R5.4, META	LS BY ICPMS (TOTAL)						
Lead								
24020886-001	A LSE-15	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 8:59	02/09/2024 2:43
24020886-002	A LSE-16	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:10	02/09/2024 2:43
24020886-003	A LSE-17	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:14	02/09/2024 2:44
24020886-004	A LSE-18	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:18	02/09/2024 2:44
24020886-005	A LSE-19	NELAP	1.0	1.5	µg/L	5	03/02/2024 6:49	02/09/2024 2:45
24020886-006	A LSE-20	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:21	02/09/2024 2:45
24020886-007	A LSE-21	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:25	02/09/2024 2:46
24020886-008	A LSE-22	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:29	02/09/2024 2:48
24020886-009	A LSE-23	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:43	02/09/2024 2:48
24020886-010	A LSE-24	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 9:47	02/09/2024 2:49
24020886-011	A LSE-25	NELAP	1.0	1.4	µg/L	1	03/07/2024 15:00	02/09/2024 2:50
24020886-012	A LSE-26	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:11	02/09/2024 2:50
24020886-013	A LSE-27	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:15	02/09/2024 2:52
24020886-014	A LSE-28	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:18	02/09/2024 2:52
24020886-015	A LSE-29	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:22	02/09/2024 2:53
24020886-016	A LSE-30	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:26	02/09/2024 2:53
24020886-017	A LSE-31	NELAP	1.0	1.2	µg/L	1	03/07/2024 15:29	02/09/2024 2:54
24020886-018	A LSE-32	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:33	02/09/2024 2:54
24020886-019	A LSE-33	NELAP	1.0	1.2	µg/L	1	03/07/2024 15:48	02/09/2024 2:58
24020886-020	A LSE-34	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:51	02/09/2024 2:58
24020886-021	A LSE-35	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:55	02/09/2024 2:58
24020886-022	A LSE-36	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 15:59	02/09/2024 2:58
24020886-023	A LSE-37	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:02	02/09/2024 2:59
24020886-024	A LSE-38	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:06	02/09/2024 2:59
24020886-025	A LSE-39	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:10	02/09/2024 3:00
24020886-026	A LSE-40	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:13	02/09/2024 3:01
24020886-027	A LSE-41	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:17	02/09/2024 3:01
24020886-028	A LSE-42	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:21	02/09/2024 3:01
24020886-029	A JWM-63	NELAP	1.0	< 1.0	µg/L	1	03/07/2024 16:35	02/09/2024 3:20



Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.

Client Project: J044517.01

Work Order: 24020886 Report Date: 08-Mar-24

Carrier: Craig McKinney	Rece	eived By: AMD	1	
On: 12-Feb-24 On: Amber Dilallo	<u> </u>	viewed by: On: ⁻ eb-24 E	Elled Hop Ellie Hopkins	bens
Pages to follow: Chain of custody 3	Extra pages include	ed 0		
Shipping container/cooler in good condition?	Yes 🗸	No	Not Present	Temp °C NA
Type of thermal preservation?	None 🗹		Blue Ice	Dry Ice
Chain of custody present?	Yes 🔽			
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 complian 0.1° C - 6.0° C, or when samples are received on ice the same		e between		
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 r	must be detailed be	low or on the	COC.	

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

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

Client:	Geotechnology, L	LC												- 8	E	BL	JE K	ж)	х і н	o IC		Į	VŦ	<u>+</u>	°C		LTG	¥			_
Address:	11816 Lackland R	load							Р	res	erv	ed i	in:Ì	х Д	AB [🛛 FIE	LD				<u>F(</u>	OR I	LAE	US	SE C	DNL	<u>.Y</u>				
City / State	/ Zip St. Louis, MO 63	146							L	ab	No	tes	l																		
Contact:	Brad Lohrum	Phone	:	(314)	997	-7440																									
E-Mail:	blohrum@teamues.com	Fax:	-						CI	ien	t C	omr	ner	nts:			a la la la la la la la la la la la la la	6 <i>p</i> a	1. an			neress (Ô								
	s known to be involved in lit s known to be hazardous?	igation? If yes, a surcharge	will app	bly		Yes	X	No									No.	di Van	/\	<u> </u>	×.										
Are there any requ	uired reporting limits to be r ent section. Yes X	net on the requested analys	s?. If y	es, p	leas	e prov	/ide																								
	Name/Number	Sample Co	lecto	r's I	Van	ne				M	AT	RIX					11	NDIC	CAT	ΈA	NA	LYS	SIS F	REC	UE	ST	ED				
J044517.01 Brad Lohrum										<u>5</u>		- Jo	<u>,</u>	<u>ه</u>	DW -																
Result Standard	s Requested 1-2 Day (100% Surcharge)	Billing Instructions		d Ty	pe o	f Con	1		Aqu	nkin	Soil	Sludae	2) 2) 2)		- Lead											-					
1	3 Day (50% Surcharge)		UNPRES	NaOH	H2SO4	HCL	NaHSO4	отне	Aqueous	Drinking Water	≚k	<u>Sludae</u>	Mar Street	Groundwater	d E200.8																
Lab Use Only	Sample Identification	Date/Time Sampled	ES G	Ť	4	<u> </u>	102	70		ŧ		٦	5	4) 0.8													L	┶	┛	
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anz	LSE-16		1							X					X									_						_	
003	1 17	2:44	1							X					X															_	
1004	15	4	1							X					X														_	_	
005	19	2:45	1							X					X									_			<u> </u>				
a.	20	+	1							X					Χ																
\overline{m}	21	2:46	1							X					X															_	
608	22	2:48	1							X					Χ															_	
900	23	+	1							X					X		_										<u> </u>				
610	- 24	1 2:49	1							X		\rightarrow	51	_	X						_						L				
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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

pg. 21 of 23 Work order # 24020 884



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

Client:	Geotechnology, L	_C							Sa	am	ples	on			CE 📓 BLUE ICE 📓 NO ICE ^O C LTG#
Address:	11816 Lackland R	oad							Pı	res	erv	ed ir	1: 🗵		AB FIELD FOR LAB USE ONLY
City / State	/ Zip St. Louis, MO 63	46							La	ab	Not	es			
Contact:	Brad Lohrum	Phone): }:	(314)	997	7440									
E-Mail:	blohrum@teamues.com	Fax:							Cli	ien	t Co	mm	en	:s:	
Are these samples	s known to be involved in lit	igation? If yes, a surcharge	will ap	ply		Yes	X	No	1						
Are these samples	s known to be hazardous?	🗌 Yes 🕺 No													
Are there any requirements in the comm	uired reporting limits to be n tent section. Section	net on the requested analys	is?. If	yes, p	leas	e prov	ide								
	Name/Number	Sample Co	lecto	r's l	Vam	e				M	ATF	RIX			INDICATE ANALYSIS REQUESTED
J044517.01 Brad Lohrum										-				ĮŠ	DW -
	s Requested	Billing Instructions			pe o	Con	aine	rs	Aqueous	rink	U	Special Waste	Groundwater	- -	
X Standard	1-2 Day (100% Surcharge)	Dining more detone	⊆.	r 7	Ŧ	2	Z	0	Aqueous		Soil		Ndv	Lead	ead
Other	3 Day (50% Surcharge)		UNPRES	NaOH	H2SO4	HCL 0	NaHSO4	THE	us Na	N	a	Vas	vate	E20	E2000.8
Lab Use Only	Sample Identification	Date/Time Sampled	S C	0 -	4		¥	R	g	Pr .		ē	Ť	0.8	0.8
24020554	LSE-25	2/9/24 2:50	1							X				X	
OV2	LSE-26	+	1						1	X				X	X
013	27	2:52	1							X				X	X
MO	28	+	1						2	X				X	X
015	29	2:53	1							X				X	
010	30	+	1							X				X	X A A A A A A A A A A A A A A A A A A A
lon	31	2:54	1							X				X	X A A A A A A A A A A A A A A A A A A A
518	32	t	1							X				X	X
019	33	2:58	1						4	X				X	X
(526)	- 34	+ +	1							X				X	X
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BottleOrder. 80481

pg. 22 of 23 Work order # 2402-0886



TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 -	Phone: (618) 344-1004 - Fax: (618) 344-1005
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Client:	Geotechnology, L	LC								s	Sam	nple	s on	:	<u>і</u> іс	E	💹 BL	UE IC	E 🕅	NO	ICE	_			°C	LT	G#		
Address:	11816 Lackland F	Road								F	res	serv	ed i	n: 🛙		В	📓 FIE	LD			F	OR	LAB	US		ILY			
City / State	/ Zip St. Louis, MO 63	146								L	.ab	No	tes																
Contact:	Brad Lohrum		Phone		(314)) 997	-744()																					
E-Mail:	blohrum@teamues.com		Fax:							С	lien	t C	omn	en	ts:														
Are these sample	s known to be involved in li	tigation? If yes, a su	urcharge v	vill ap	nlv	Π	Yes	X	No	-																			
Are these sample	es known to be hazardous?	Yes X No	_																										
Are there any req	uired reporting limits to be r nent section. 🏾 Yes 🕅	net on the requeste	d analysis	s?. If y	/es, p	leas	e pro	vide																					
	Name/Number		ple Coll	ecto	rel	Van	10				M	ΔΤ	RIX		-1 -			IN	DIC	ATE		LYS	IS R	EOI	JES	ΓED			
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25 C	44517.01		Brad Lohrum and Instructions # and Type of Containers							Þ	ĥ		Spe	G		-													
Kesun X Standard	s Requested	Billing Instruc	ctions	1						lane	King	Soil	ecial Wa Sludge		Lead														
Other	3 Day (50% Surcharge)			UNPRES	Nao	H2S0	HCL	LaHs	OTHER	Aqueous	Drinking Water	≞:	Special Waste	Groundwater															
Lab Use Only	Sample Identification	Date/Time Sa	Date/Time Sampled								iter		ste	Ē	E200.0	3													
241020586	LSE- 35	2/9/24 7	2:58	1							X								-										
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073	1 07	-	2:59	1							X			-	->		-							1					
024	38		4	1	_						X																		
625	39		2:00	1							X				1			-											
026	40		3:01	1							X				5	_				-							-		
027	41		1	1	_						X				17									-					
021	47			1							X				1														
029	JWM-63	2/9/24	3:20	1							x			T	Þ	<u> </u>			Т		T		1	T					
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BottleOrder: 80481

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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.