Wesley Davis, Ed.D
Superintendent

Amy Ross, Ed.D
Assistant Superintendent

Matthew Orchard, Ed.S
Director of Human Resources &
Student Services

Tiffany Young, Ed.D
Director of Teaching & Learning

West Plains School District

610 E. Olden West Plains, MO 65775 | Phone 417-256-6150 | Fax 417-256-8616 | www.zizzers.org

Lead Testing Results
West Plains R-VII School District

School districts in the State of Missouri are required to develop a plan to complete lead testing on all potable water fixtures by January 1, 2024. The West Plains School District has already completed this testing to ensure we meet all requirements. Potable water fixtures include those used for drinking or food preparation. Any fixtures that test above 5 parts per billion (ppb) must be remedied to decrease the lead concentration to less than 5 ppb without relying solely on flushing practices. Remediation practices may include installing supply line filters, replacing fixtures, installing water softeners, or replacing water lines if the supply line is determined to be the issue. Below are the results of the testing and the action taken. First draw remediation indicates the fixture needs replaced and/or filters added. Second draw remediation indicates supply line issues. All potable fixture samples passed second draw testing.

Early Childhood/Enrollment Building (305 Valley View Drive)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples.

West Plains Elementary (1136 Allen Street)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples. Samples 15, 20, 21, 22, 31 and 33, which indicate levels greater than 5 ppb are non potable locations.

South Fork Elementary (3209 US Highway 160)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples. Samples 4 and 7, which indicate levels greater than 5 ppb, are non potable locations.

Zizzer Pride Academy (1009 Jackson Street)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples.

West Plains Middle School (730 E. Olden Street)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples.

Southern Missouri Technical Institute (407 W. Thornburg)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples.

West Plains High School Campus (602 East Olden Street)
As of the 12/9/2023 resampling event (results attached), all potable fixtures are in compliance with first and second draw samples.

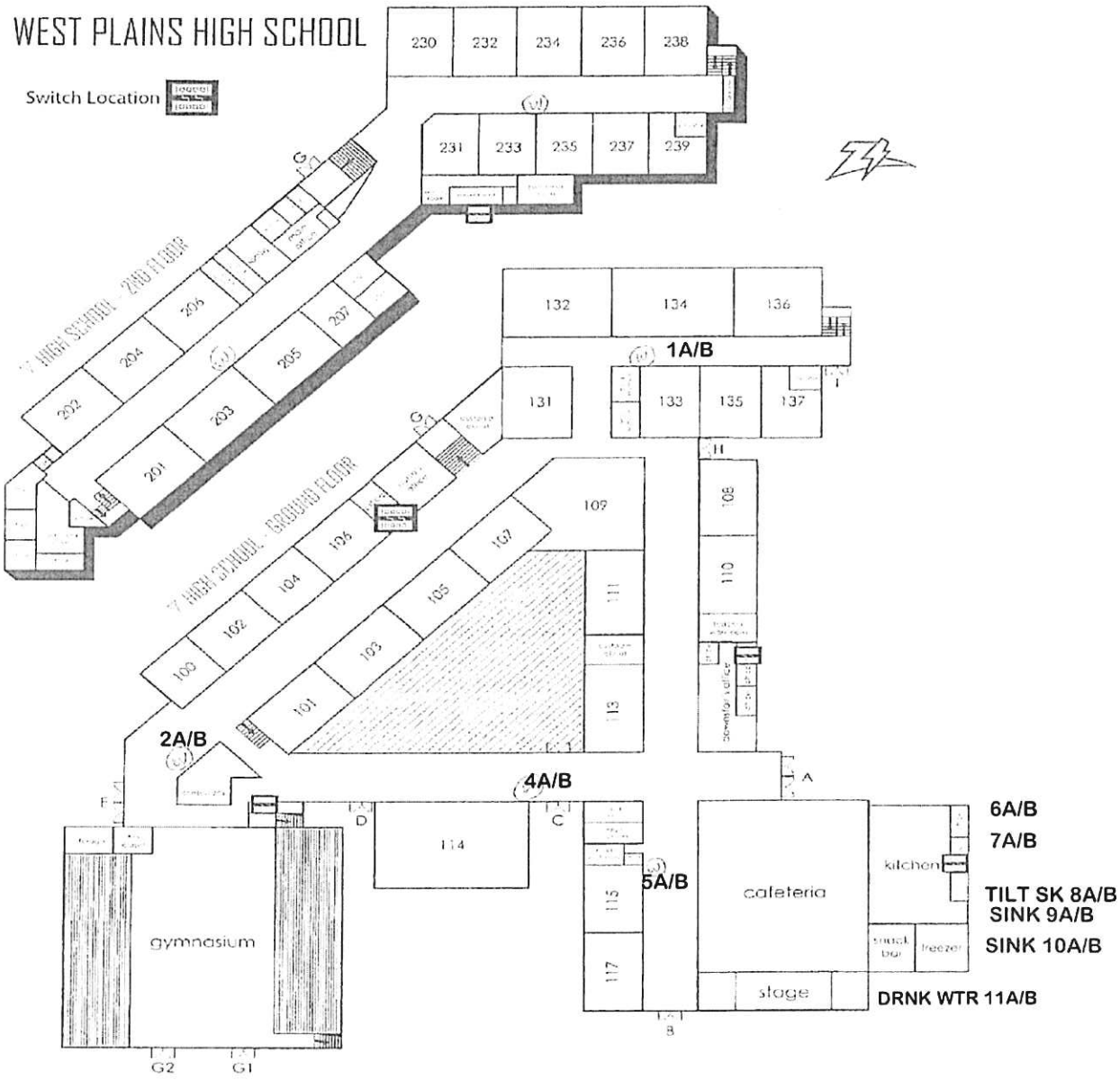
Matthew Orchard
Director of Human Resources and Student Services
West Plains R-VII School District
(417) 256-6155 ext. 1011

TRIANGLE
Environmental Science and Engineering Inc.
P.O. BOX 1026
Rolla, MO 65402
Serving
Springfield MO 65804
P.O. BOX 1674
Jefferson City, MO 65102

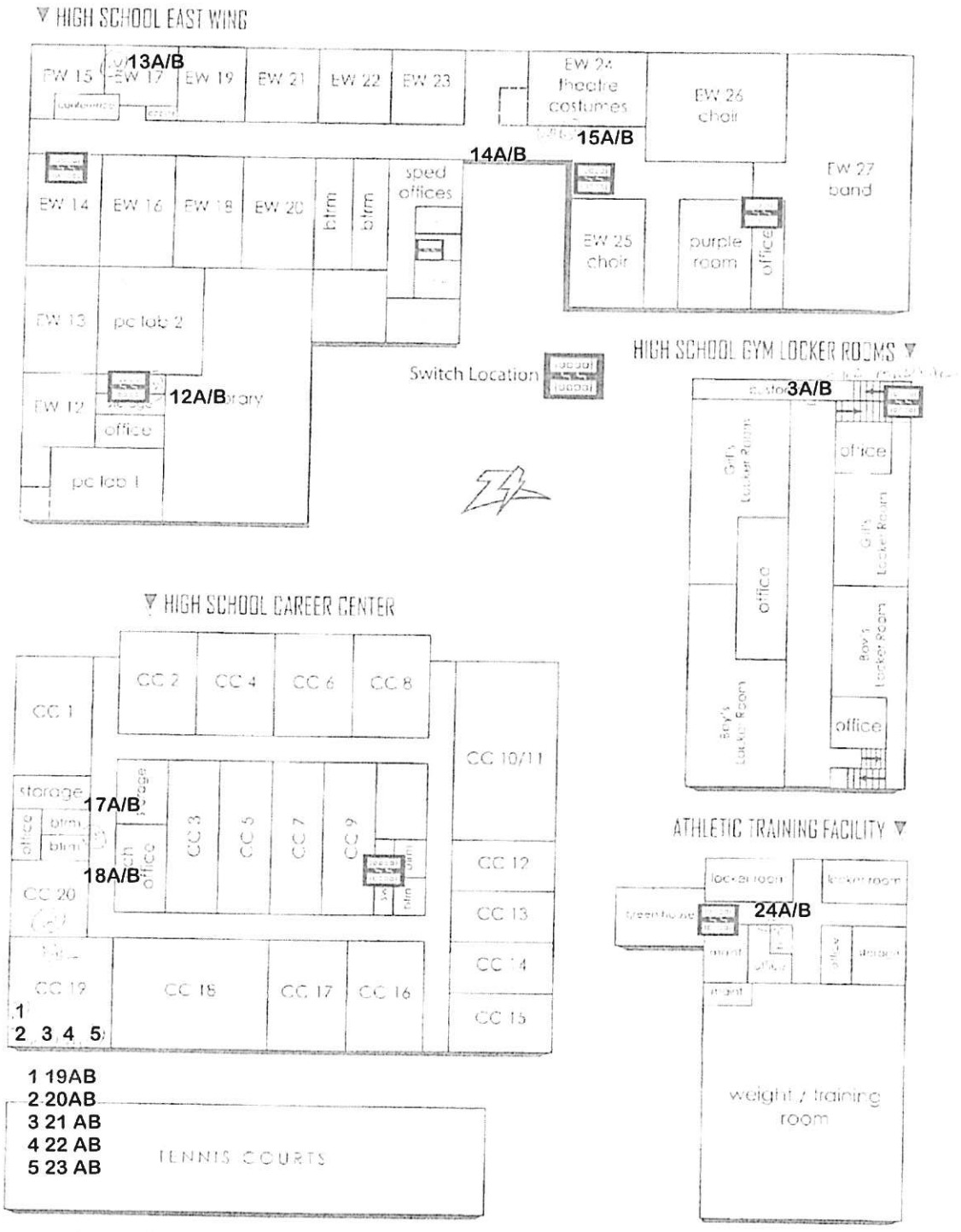
Lead Drinking Water Assessment (resampling event December 9th, 2023) Of WEST PLAINS R-VII SCHOOL DISTRICT WEST PLAINS MO

December 2023
PREPARED
FOR

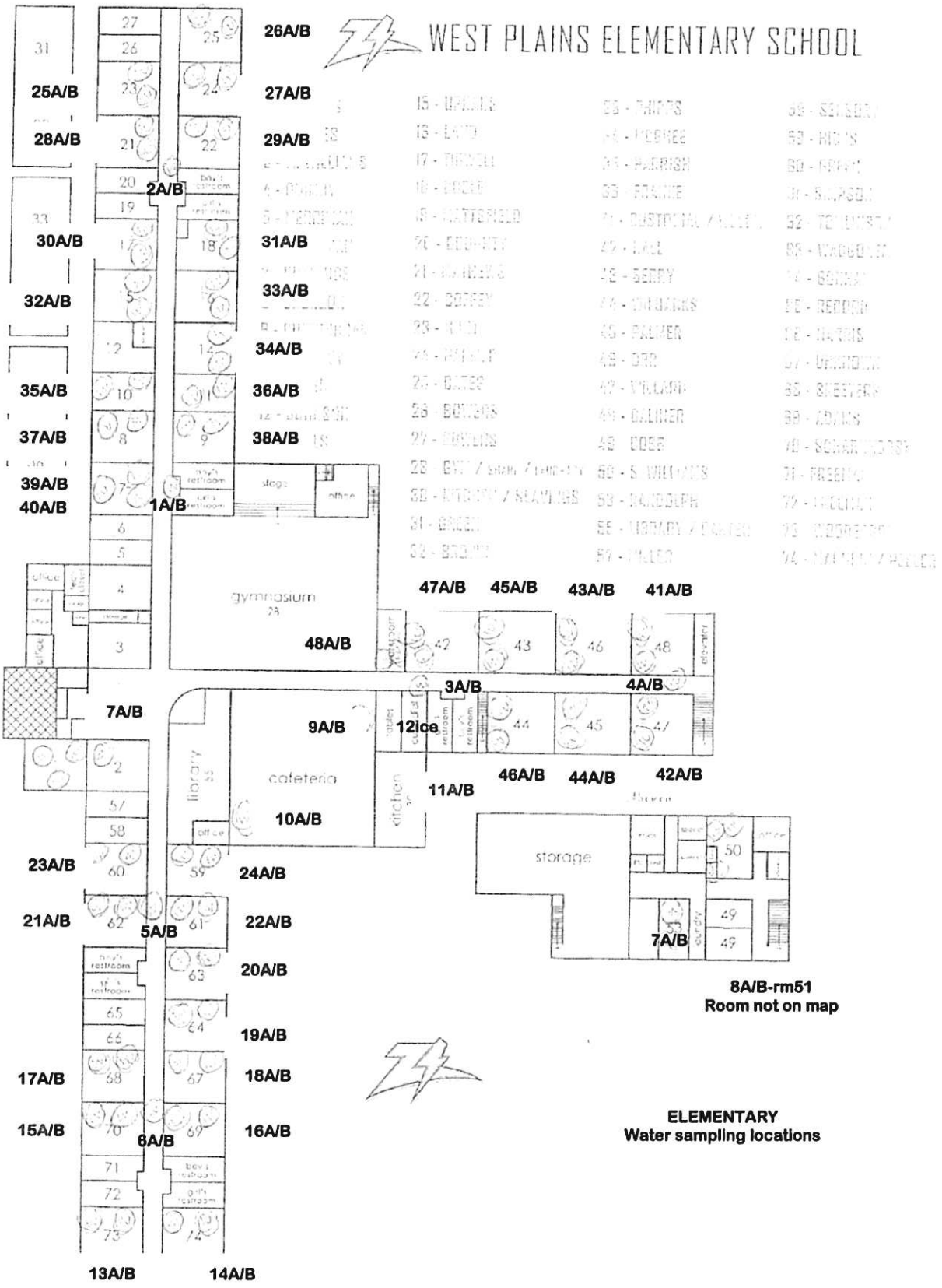
WEST PLAINS R-VII SCHOOL DISTRICT
AND
MR. MATT ORCHARD



HIGH SCHOOL
Water sampling locations



HIGH SCHOOL EAST WING
AND AG BUILDING
Water sampling locations


WEST PLAINS ELEMENTARY SCHOOL
26A/B
25A/B
27A/B
28A/B
29A/B
2A/B
30A/B
31A/B
32A/B
33A/B
34A/B
35A/B
36A/B
37A/B
38A/B
39A/B
40A/B
1A/B
gymnasium
47A/B
45A/B
43A/B
41A/B
48A/B
3A/B
4A/B
7A/B
9A/B
12ice
cafeteria
library
kitchen
46A/B
44A/B
42A/B
11A/B
10A/B
storage
23A/B
24A/B
21A/B
22A/B
5A/B
20A/B
19A/B
17A/B
18A/B
15A/B
16A/B
6A/B
13A/B
14A/B
7A/B
8A/B-rm51
Room not on map
ELEMENTARY
Water sampling locations

DATE 4/22/2023

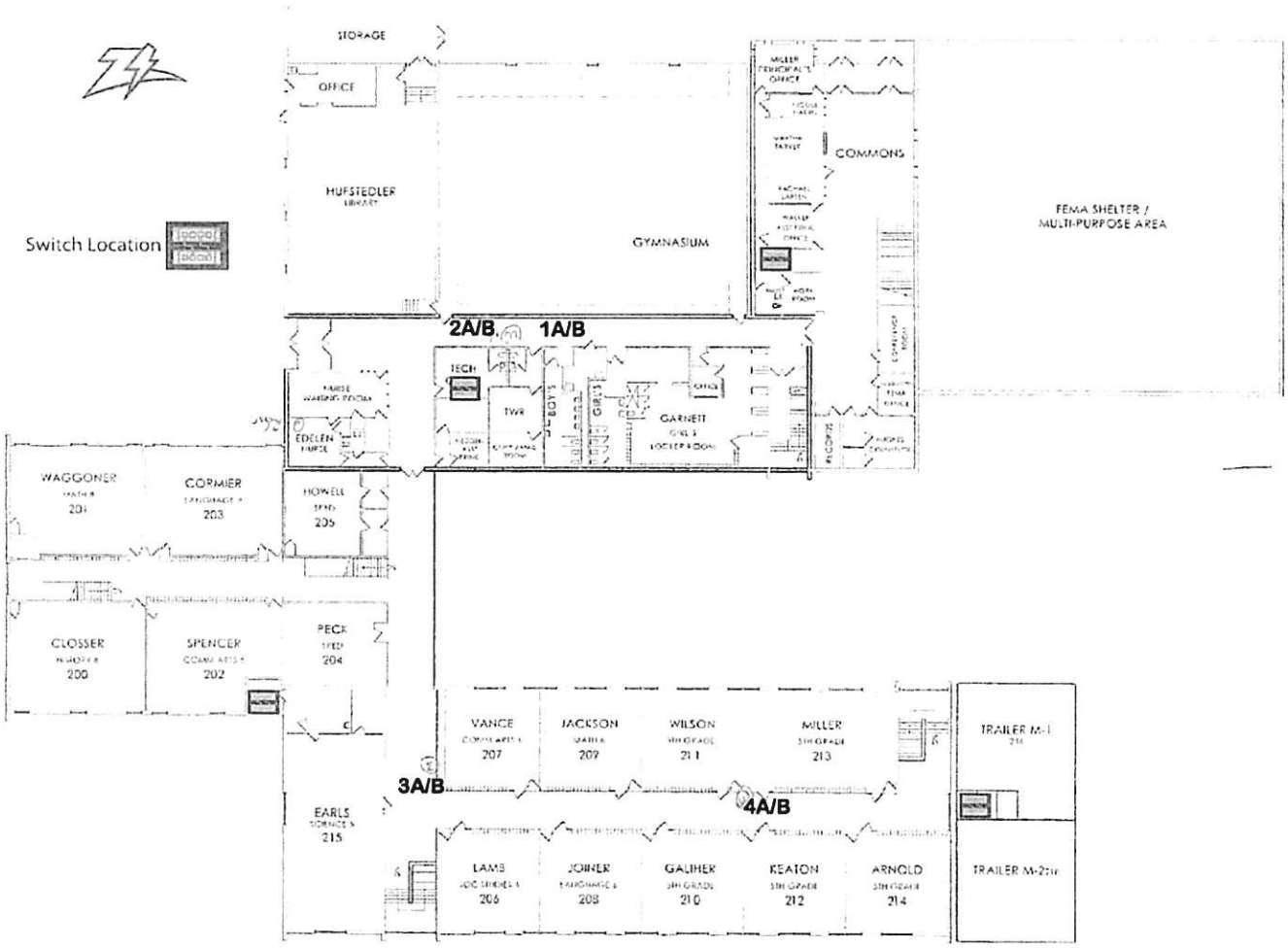
PROJECT WEST PLAINS R-VII

WEST PLAINS MO

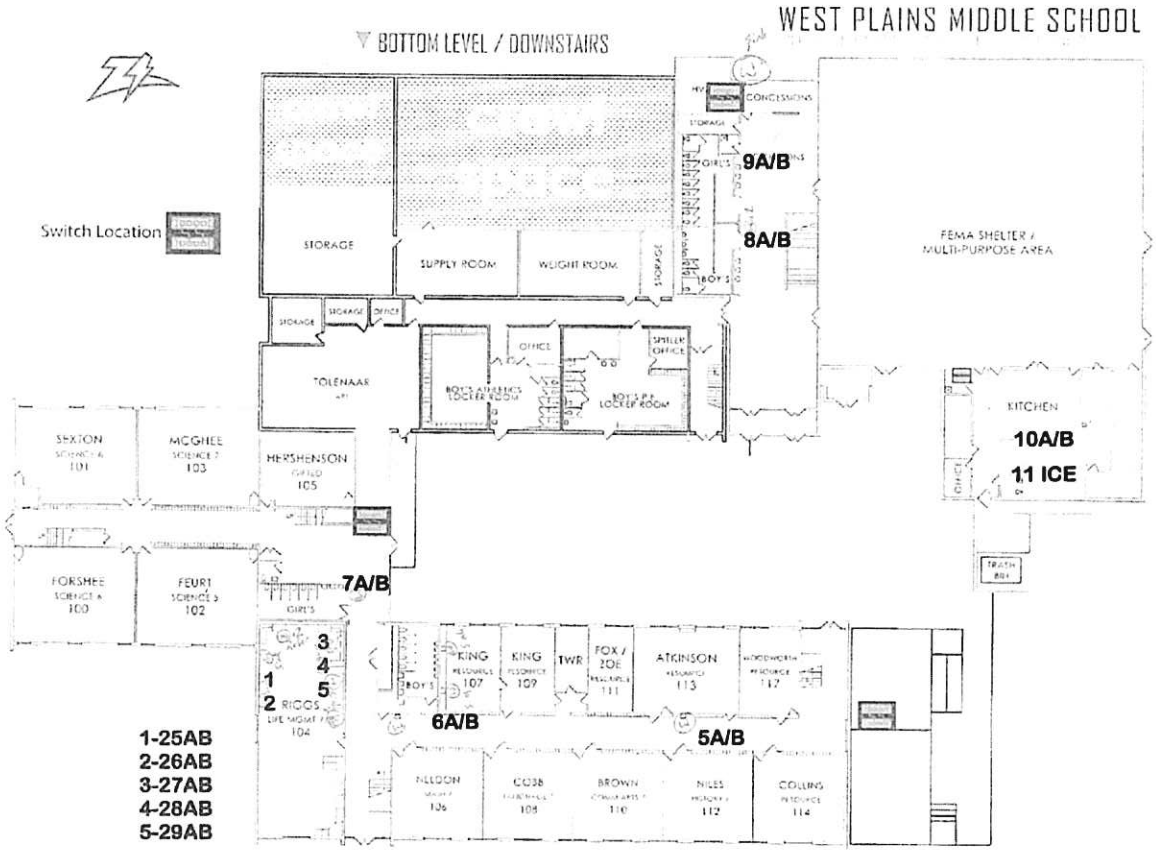
ELEMENTARY

SAMPLE	A	B	MCL (ppb)	SAMPLE	A	B	MCL (ppb)
1	<1	<1	5	26	4.1	<1	5
2	<1	<1	5	27	4.2	<1	5
3	<1	<1	5	28	1.1	<1	5
4	<1	<1	5	29	1.6	<1	5
5	<1	<1	5	30	2.3	1	5
6	<1	<1	5	**31**	**7.7**	2.9	**5**
7	<1	<1	5	32	4.5	<1	5
8	3.2	1.3	5	**33**	**5.5**	<1	**5**
9	<1	<1	5	34	1.9	<1	5
10	<1	<1	5	35	4.5	<1	5
11	**11.7**	1	**5**	36	2.7	<1	5
12	<1	<1	5	37	4.3	<1	5
13	<1	<1	5	38	2.4	<1	5
14	1.1	<1	5	39	3.6	<1	5
15	**6.2**	2.1	**5**	40	3.7	<1	5
16	4.4	<1	5	41	<1	<1	5
17	1.1	<1	5	42	1.3	<1	5
18	3.5	<1	5	43	<1	<1	5
19	1.6	<1	5	44	1.1	<1	5
20	**8.3**	1.1	**5**	45	<1	<1	5
21	**7.9**	1.2	**5**	46	<1	<1	5
22	**8.2**	<1	**5**	47	1.7	<1	5
23	2.9	<1	5	48	1.3	<1	5
24	1.1	<1	5				
25	1.9	<1	5				

RESULTS IN ug/L (ppb)

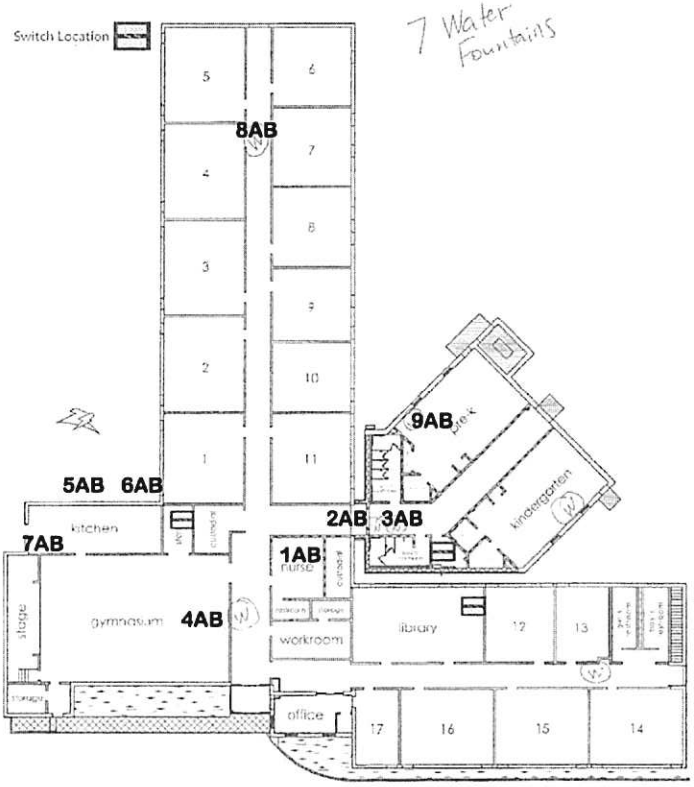


MIDDLE SCHOOL
WATER SAMPLE LOCATIONS
MAIN FLOOR



MIDDLE SCHOOL
WATER SAMPLE LOCATIONS
BASEMENT

SOUTH FORK ELEMENTARY SCHOOL



SOUTH FORK ELEMENTARY
WATER SAMPLE LOCATIONS

DATE 5/6/2023

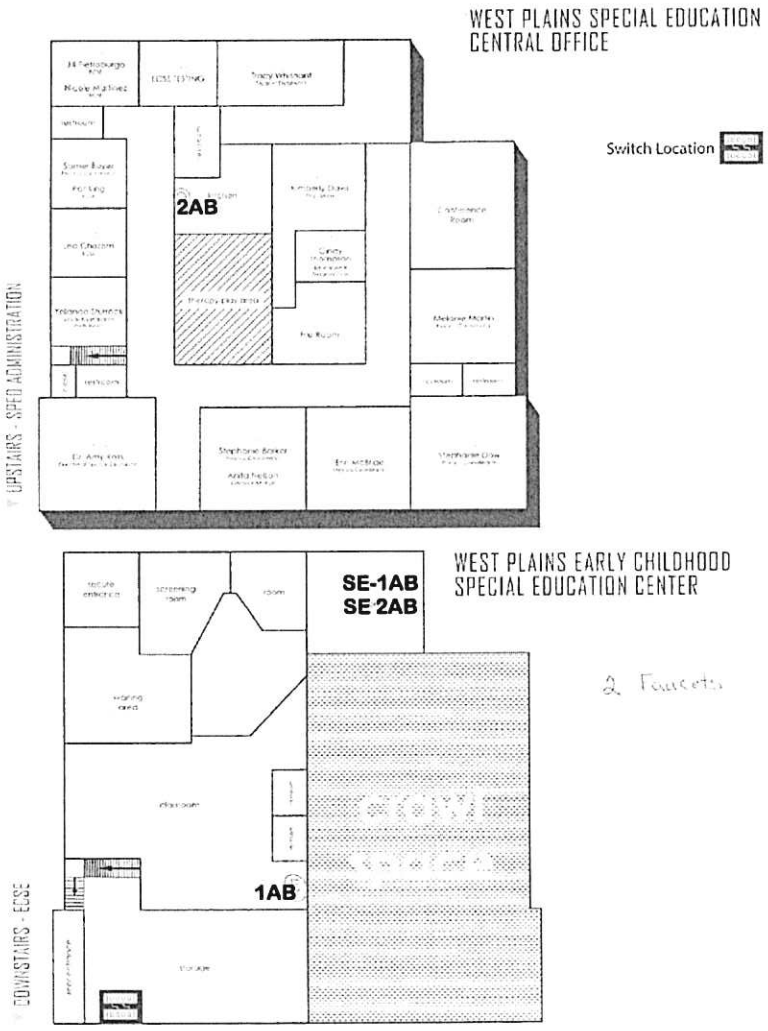
PROJECT WEST PLAINS R-VII

WEST PLAINS MO

SOUTH FORK ELEMENTARY

SAMPLE	A	B	MCL (ppB)
1 ice		<1	5
2	<1	<1	5
3	<1	<1	5
4	6.8	12.5	5
5	4.7	4.8	5
6	3.2	<1	5
7	6.6	<1	5
8	<1	<1	5
9	<1	<1	5

* RESULTS IN ug/l (ppb)



SPECIAL EDUCATION
WATER SAMPLE LOCATIONS

PROJECT WEST PLAINS R-VII

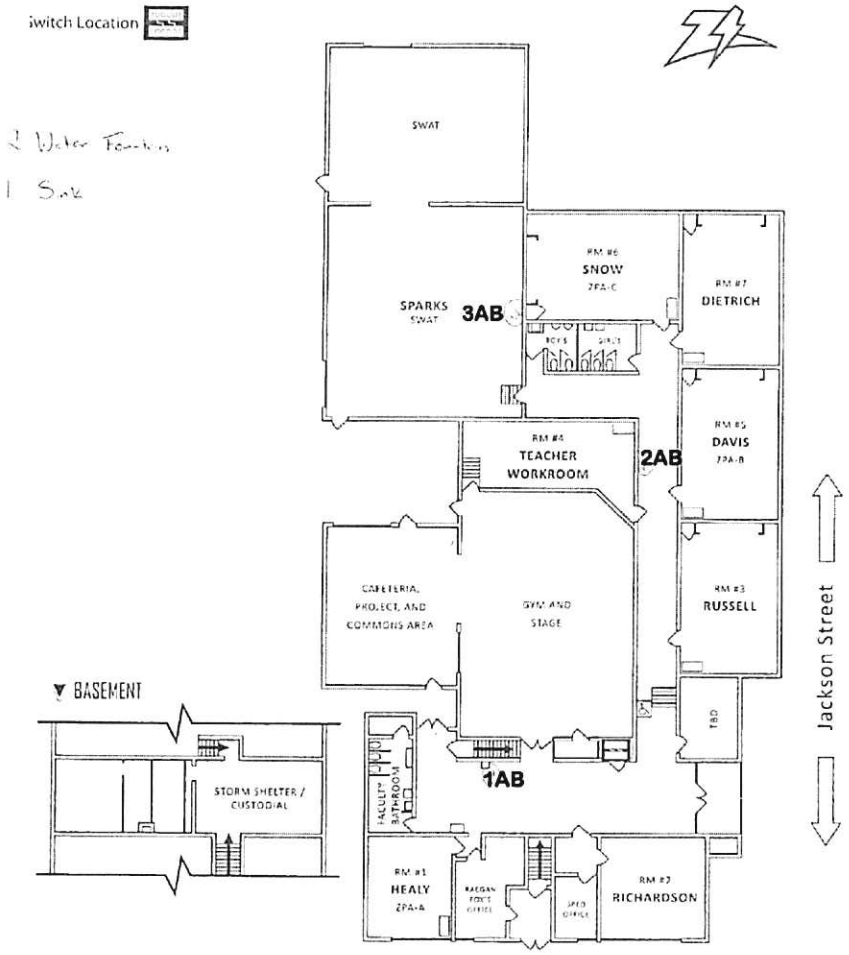
WEST PLAINS MO

SPECIAL ED

SAMPLE	A	B	MCL (ppB)
1	<1	<1	5
1	<1	<1	5
2	<1	<1	5

* RESULTS IN ug/l (ppb)

Zizzer Pride Academy



PRIDE ACADEMY
WATER SAMPLE LOCATIONS

PROJECT WEST PLAINS R-VII

WEST PLAINS MO

Zizzer Pride Academy

SAMPLE	A	B	MCL (ppB)
1	<1	<1	5
2	<1	<1	5
3	<1	<1	5

* RESULTS IN ug/l (ppb)

QUALIFICATIONS

John W Cable is a Missouri Department of Health and Senior Services licensed Lead Paint Inspector and a licensed Risk Assessor (Appendix A).

LIMITATIONS

This LEAD drinking water inspection was conducted to evaluate potential lead hazards. It is based on a visual examination, inspections of records, collected samples, analytical results, and discussions with various persons, agencies, and businesses, all of which were used to develop the basis of our conclusions. Subsequent variations, while not likely, may exist and if found will require re-evaluation.

This report describes the hazards identified at the time the inspection was performed. The locations, types of severity of lead hazards can change over time, because of property improvements or deterioration; significant changes in property use or other factors.

Although it is not possible to guarantee this Inspection or even a more extensive diagnostic evaluation will in every case identify all possible sources of contamination, we believe the process described represents a reasonable and responsible investigation and is consistent with good commercial and engineering practices. This report should permit a high level of understanding of the current risk hazard condition of the subject tract. The report was prepared for the exclusive use of our client

APPENDIX A

JOHN W CABLE SR.

BACHELOR OF SCIENCE, GEOLOGICAL ENGINEERING UNIVERSITY OF MISSOURI AT ROLLA.

MASTER OF SCIENCE, GEOLOGICAL ENGINEERING UNIVERSITY OF MISSOURI AT ROLLA.

ASSOCIATES OF ARTS, COMMERCIAL ART, ART INSTITUTE, PITTSBURG, PA.

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

John W. Cable

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.

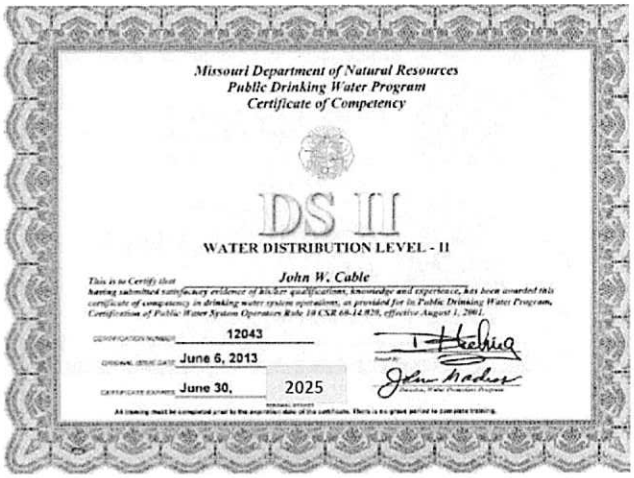
Lead Risk Assessor
Category of License

Issuance Date: **3/23/2022**
Expiration Date: **3/23/2024**
License Number: **120209-300003721**

Missouri Department of Health and Senior Services
Lead Occupation License - ID Badge
License Number:
120209-300003721
Lead Risk Assessor
John
Cable
Expiration Date: 3/23/2024

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

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



Missouri Department of Natural Resources
Public Drinking Water Program
Certificate of Competency

DS II

WATER DISTRIBUTION LEVEL - II

This is to Certify that *John W. Cable*
having submitted satisfactory evidence of his/her qualifications, knowledge and experience, has been awarded this certificate of competency in drinking water system operations, as provided for in Public Drinking Water Program, Certification of Public Water System Operators Rule 10 CSR 60-14.020, effective August 1, 2001.

CERTIFICATION NUMBER: 12043

ORIGINAL ISSUE DATE: June 6, 2013

CERTIFICATE EXPIRES: June 30, 2025

All training must be completed prior to the expiration date of the certificate. There is no grace period to complete training.

Issued By:

Director, Water Protection Program

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

John W. Cable

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:	**7/21/2023**
Expiration Date:	**7/21/2025**
License Number:	**230721-300006541**

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

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

APPENDIX B

Chain of Custody and Analytical Results

December 20, 2023

John Cable
Triangle
17855 Elk Prairie Drive
P.O. Box 1026
Rolla, MO 65402
TEL: (573) 364-1864
FAX: (573) 364-4782

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

RE: West Plains School District **WorkOrder:** 23121037

Dear John Cable:

TEKLAB, INC received 2 samples on 12/13/2023 1:30:00 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,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Report Contents

Client: Triangle
Client Project: West Plains School District

Work Order: 23121037
Report Date: 20-Dec-23

This reporting package includes the following:

Client: Triangle

Work Order: 23121037

Client Project: West Plains School District

Report Date: 20-Dec-23

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: Triangle

Work Order: 23121037

Client Project: West Plains School District

Report Date: 20-Dec-23

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)

Client: Triangle

Client Project: West Plains School District

Work Order: 23121037

Report Date: 20-Dec-23

Cooler Receipt Temp: NA °C

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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

Client: Triangle

Client Project: West Plains School District

Work Order: 23121037

Report Date: 20-Dec-23

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

Client: Triangle
Work Order: 23121037
Client Project: West Plains School District
Report Date: 20-Dec-23
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23121037-001A	1-A-Kitchen	NELAP		0.0010	**< 0.0010**	mg/L	1	12/15/2023 17:58	12/09/2023 14:00
23121037-002A	1-B-Kitchen	NELAP		0.0010	**< 0.0010**	mg/L	1	12/15/2023 18:02	12/09/2023 14:00

Client: Triangle

Client Project: West Plains School District

Work Order: 23121037

Report Date: 20-Dec-23

EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 215956 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**< 0.0010**	0.0002	0	0	-100	100	12/15/2023

Batch 215956 **SampType:** LCS Units **mg/L**
SampID: LCS-215956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**0.0535**	0.0500	0	107.1	85	115	12/15/2023

Batch 215956 **SampType:** MS Units **mg/L**
SampID: 23121013-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	**0.124**	0.1000	0.005531	118.5	70	130	12/15/2023

Batch 215956 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 23121013-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010	E	**0.133**	0.1000	0.005531	127.7	0.1241	7.16	12/15/2023

Batch 215956 **SampType:** MS Units **mg/L**
SampID: 23121081-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**0.0879**	0.1000	0.0004620	87.4	70	130	12/19/2023

Batch 215956 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 23121081-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010		**0.0872**	0.1000	0.0004620	86.7	0.08790	0.80	12/19/2023

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Triangle
Client Project: West Plains School District

Work Order: 23121037
Report Date: 20-Dec-23

Carrier: Employee

Received By: MEK

Completed by: Mary E. Kemp
On: 13-Dec-23
Mary E Kemp

Reviewed by: Ellie Hopkins
On: 13-Dec-23
Ellie Hopkins

Pages to follow: Chain of custody [1] Extra pages included [0]

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

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

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

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 2312037

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

Client: Triangle Environmental Science + Engineering
Address: PO Box 1026
City / State / Zip Rolla, MO 65402
Contact: John Cable Phone: 573-308-0140
E-Mail: Triangle.Environmental@gmail.com Fax:

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE NA °C LTG# ____
Preserved in: ☒ LAB ☒ FIELD
FOR LAB USE ONLY
Lab Notes

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No
Are these samples known to be hazardous? ☐ Yes ☒ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☒ No

ONE DAY TAT

Project Name/Number	Sample Collector's Name
West Plains School District	

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: LEAD
2312037-001	1-A-Kitchen	12/9/23@2:00pm										X					X
↓ 002	1-B-Kitchen																

Relinquished By	Date/Time	Received By	Date/Time
John Cable	12/13/23 @ 1:20pm	Mary Kemp	12/13/23 1330

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

November 06, 2023

John Cable
Triangle
17855 Elk Prairie Drive
P.O. Box 1026
Rolla, MO 65402
TEL: (573) 364-1864
FAX: (573) 364-4782

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

RE: West Plains School **WorkOrder:** 23101997

Dear John Cable:

TEKLAB, INC received 18 samples on 10/25/2023 10:05:00 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,

Marvin L. Darling

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Report Contents

Client: Triangle
Client Project: West Plains School

Work Order: 23101997
Report Date: 06-Nov-23

This reporting package includes the following:

Client: Triangle

Work Order: 23101997

Client Project: West Plains School

Report Date: 06-Nov-23

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: Triangle

Client Project: West Plains School

Work Order: 23101997

Report Date: 06-Nov-23

Qualifiers

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

Client: Triangle

Client Project: West Plains School

Work Order: 23101997

Report Date: 06-Nov-23

Cooler Receipt Temp: 18.2 °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Triangle

Client Project: West Plains School

Work Order: 23101997

Report Date: 06-Nov-23

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

Client: Triangle
Work Order: 23101997
Client Project: West Plains School
Report Date: 06-Nov-23
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23101997-001A	7-A-R	NELAP		0.0010	**0.0047**	mg/L	1	11/04/2023 3:09	10/21/2023 11:00
23101997-002A	7-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 3:20	10/21/2023 11:00
23101997-003A	9-A-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 3:42	10/21/2023 11:00
23101997-004A	9-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 3:46	10/21/2023 11:00
23101997-005A	10-A-R	NELAP		0.0010	**0.0015**	mg/L	1	11/04/2023 3:49	10/21/2023 11:00
23101997-006A	10-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 3:53	10/21/2023 11:00
23101997-007A	19-A-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 3:57	10/21/2023 11:00
23101997-008A	19-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:00	10/21/2023 11:00
23101997-009A	25-A-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:04	10/21/2023 11:00
23101997-010A	25-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:08	10/21/2023 11:00
23101997-011A	26-A-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:22	10/21/2023 11:00
23101997-012A	26-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:26	10/21/2023 11:00
23101997-013A	27-A-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:30	10/21/2023 11:00
23101997-014A	27-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 4:33	10/21/2023 11:00
23101997-015A	28-A-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 7:28	10/21/2023 11:00
23101997-016A	28-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 7:32	10/21/2023 11:00
23101997-017A	29-A-R	NELAP		0.0010	**0.0013**	mg/L	1	11/04/2023 8:01	10/21/2023 11:00
23101997-018A	29-B-R	NELAP		0.0010	**< 0.0010**	mg/L	1	11/04/2023 8:05	10/21/2023 11:00

Client: Triangle

Client Project: West Plains School

Work Order: 23101997

Report Date: 06-Nov-23

EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 214125 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214125

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/03/2023

Batch 214125 **SampType:** LCS Units **mg/L**
SampID: LCS-214125

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	S	**< 0.0010**	0.0500	0	0	85	115	11/03/2023

Batch 214125 **SampType:** MS Units **mg/L**
SampID: 23101997-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	**0.101**	0.1000	0.004686	96.2	70	130	11/04/2023

Batch 214125 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 23101997-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010		**0.0997**	0.1000	0.004686	95.0	0.1009	1.16	11/04/2023

Batch 214125 **SampType:** MS Units **mg/L**
SampID: 23101997-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**0.0985**	0.1000	0.0002610	98.2	70	130	11/04/2023

Batch 214125 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 23101997-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010		**0.0980**	0.1000	0.0002610	97.7	0.09848	0.52	11/04/2023

Batch 214147 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/03/2023

Batch 214147 **SampType:** LCS Units **mg/L**
SampID: LCS-214147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010		**0.0489**	0.0500	0	97.8	85	115	11/03/2023

Client: Triangle

Client Project: West Plains School

Work Order: 23101997

Report Date: 06-Nov-23

EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)

Batch 214147 **SampType:** MS Units **mg/L**

SampID: 23102221-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	**0.117**	0.1000	0	116.8	70	130	11/04/2023

Batch 214147 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 23102221-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010	E	**0.121**	0.1000	0	121.0	0.1168	3.53	11/04/2023

Batch 214147 **SampType:** MS Units **mg/L**

SampID: 23102221-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0010	E	**0.110**	0.1000	0.0006389	109.4	70	130	11/04/2023

Batch 214147 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 23102221-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0010	E	**0.112**	0.1000	0.0006389	111.1	0.1101	1.53	11/04/2023

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Triangle
Client Project: West Plains School

Work Order: 23101997
Report Date: 06-Nov-23

Carrier: FedEx

Received By: HAW

Completed by: Amber Dilallo
On: 25-Oct-23

Reviewed by: Ellie Hopkins
On: 25-Oct-23

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 18.2
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

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

CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 23101997

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

Client: TRIANGLE ENVIRONMENTAL SCIENCE AND ENGINEERING
Address: PO BOX 1026
City/State/Zip: ROLLA, MO 65402
Contact: JOHN CABLE Phone: 573 308 0140
Email: TRIANGLE.ENVIRONMENTAL Fax: @GMAIL.COM

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 18.2 °C
Preserved in: [ ] LAB [ ] FIELD FOR LAB USE ONLY VTG1
LAB NOTES:

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [ ] Yes [✓] No

PROJECT NAME/NUMBER: West Plains Schoo
SAMPLE COLLECTOR'S NAME: JOHN W CABLE

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS: TRIANGLE

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: LEAD
23101997-001	7-A-R	10/21/23@1100	Aqueous										X
002	7-B-R		Aqueous										X
003	9-A-R		Aqueous										X
004	9-B-R		Aqueous										X
005	10-A-R		Aqueous										X
006	10-B-R		Aqueous										X
007	19-A-R		Aqueous										X
008	19-B-R		Soil										X
009	25-A-R		Soil										X
010	25-B-R		Soil										X
011	26-A-R		Soil										X

Relinquished By	Date/Time	Received By	Date/Time
JOHN W CABLE	10/24/23@4:00	Fedex	10/25/23 1005

*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

26-A-R 012 Drinking Water — LEAD — Kits
27-A-R 013 10/21/23 @ 1100
27-B-R 014
28-A-R 015
28-B-R 016
29-A-R 017
29-B-R 018

23101997.