

March 11, 2025

Danny Lewis
Alliance Water Resources
313 S. Washington Street
Clinton, MO 64735
TEL: (660) 492-2376
FAX:



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

RE: DW - Alliance Water

WorkOrder: 25020510

Dear Danny Lewis:

TEKLAB, INC received 2 samples on 2/6/2025 12:18:00 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,



Paul Schultz
Project Manager

Pschultz@teklabinc.com

Summary of MCL's for Teklab Water Testing

Sulfate:	is non-regulatory but has a secondary standard (SMCL) of 250 mg/L
Chromium, Hexavalent:	MCL is .10 mg/L
Mercury:	MCL is .002 mg/L
Barium:	MCL is 2.0 mg/L
Boron:	is not a regulated contaminant but EPA has a Health Advisory Level of 3.0 mg/L
Cadmium:	MCL is .005 mg/L
Chromium:	MCL is .10 mg/L
Cobalt:	is not regulated and not scanned for in public drinking water with no MCL or HAL
Lithium:	is not regulated but is monitored under UCMR5 and currently has no MCL or HAL
Silver:	MCL is .10 mg/L
Arsenic:	MCL is .01 mg/L
Lead:	MCL is .015 mg/L
Selenium:	MCL is .05 mg/L
Radium 226 and 228:	MCL for combined radium 226 and 228 is 5.0 pCi/L

Client: Alliance Water Resources

Work Order: 25020510

Client Project: DW - Alliance Water

Report Date: 11-Mar-25

Lab ID: 25020510-001

Client Sample ID: Truman Lake

Matrix: DRINKING WATER

Collection Date: 02/05/2025 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 300.0 TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Sulfate	NELAP	1.00		38.0	mg/L	1	02/11/2025 7:40	R360088
STANDARD METHODS 3500-CR B 2009, 2011 REV: 23RD ED								
Chromium, Hexavalent	*	0.0050		< 0.0050	mg/L	5	02/07/2025 16:48	R359983
<i>Elevated reporting limit due to sample composition.</i>								
EPA 600 245.1 (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/12/2025 17:02	234566
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.124	mg/L	1	02/12/2025 9:19	234557
Boron	NELAP	0.0200		0.0292	mg/L	1	02/12/2025 9:19	234557
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/12/2025 9:19	234557
Chromium	NELAP	0.0050		0.0073	mg/L	1	02/12/2025 9:19	234557
Cobalt	*	0.0050		< 0.0050	mg/L	1	02/12/2025 9:19	234557
Lithium	*	0.0500		< 0.0500	mg/L	1	02/12/2025 9:19	234557
Silver	NELAP	0.0070		< 0.0070	mg/L	1	02/12/2025 9:19	234557
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Arsenic	NELAP	0.0100		< 0.0100	mg/L	5	02/12/2025 9:06	234557
Lead	NELAP	0.0010		0.0030	mg/L	5	02/12/2025 9:06	234557
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/13/2025 9:09	234557
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	02/28/2025 11:32	R361526



Laboratory Results

<http://www.teklabinc.com/>

Client: Alliance Water Resources

Work Order: 25020510

Client Project: DW - Alliance Water

Report Date: 11-Mar-25

Lab ID: 25020510-002

Client Sample ID: Treatment Plant

Matrix: DRINKING WATER

Collection Date: 02/05/2025 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 300.0 TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Sulfate	NELAP	1.00		66.5	mg/L	1	02/11/2025 7:51	R360088
STANDARD METHODS 3500-CR B 2009, 2011 REV: 23RD ED								
Chromium, Hexavalent	*	0.0010		0.0026	mg/L	1	02/07/2025 16:49	R359983
EPA 600 245.1 (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/12/2025 17:25	234566
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0604	mg/L	1	02/12/2025 9:20	234557
Boron	NELAP	0.0200		0.0377	mg/L	1	02/12/2025 9:20	234557
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/12/2025 9:20	234557
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/12/2025 9:20	234557
Cobalt	*	0.0050		< 0.0050	mg/L	1	02/12/2025 9:20	234557
Lithium	*	0.0500		< 0.0500	mg/L	1	02/12/2025 9:20	234557
Silver	NELAP	0.0070		< 0.0070	mg/L	1	02/12/2025 9:20	234557
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)								
Arsenic	NELAP	0.0100		< 0.0100	mg/L	5	02/12/2025 8:28	234557
Lead	NELAP	0.0010		< 0.0010	mg/L	5	02/12/2025 8:28	234557
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/13/2025 9:34	234557
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	02/28/2025 11:33	R361526



March 11, 2025

Paul Schultz
Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

RE: Project: 25020510
Pace Project No.: 30756629

Dear Paul Schultz:

Enclosed are the analytical results for sample(s) received by the laboratory on February 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Justin P. Horn".

Justin P. Horn
justin.horn@pacelabs.com
(724)850-5600
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25020510

Pace Project No.: 30756629

Sample: 25020510-001 Lab ID: 30756629001 Collected: 02/05/25 08:45 Received: 02/17/25 16:30 Matrix: Drinking Water

PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.300 ± 0.566 (0.975) C:NA T:86%	pCi/L	03/05/25 13:43	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.998 ± 0.492 (0.916) C:67% T:74%	pCi/L	02/28/25 11:32	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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