

June 27, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615



Illinois	100226
Illinois	1004652024-2
Kansas	E-10438
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells

WorkOrder: 25051158

Dear Eric Staley:

TEKLAB, INC received 22 samples on 5/28/2025 1:50:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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

Client: City Water, Light & Power

Work Order: 25051158

Client Project: Ash Pond Monitoring Wells

Report Date: 27-Jun-25

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Client: City Water, Light & Power

Work Order: 25051158

Client Project: Ash Pond Monitoring Wells

Report Date: 27-Jun-25

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: City Water, Light & Power

Work Order: 25051158

Client Project: Ash Pond Monitoring Wells

Report Date: 27-Jun-25

Qualifiers

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



Case Narrative

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

Client: City Water, Light & Power

Work Order: 25051158

Client Project: Ash Pond Monitoring Wells

Report Date: 27-Jun-25

Cooler Receipt Temp: 5.9 °C

An employee of Teklab, Inc. collected the sample(s).

Radium-226 & -228 analysis was performed by Eurofins St. Louis. See attached report for results.

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: City Water, Light & Power

Work Order: 25051158

Client Project: Ash Pond Monitoring Wells

Report Date: 27-Jun-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10438	NELAP	7/31/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2026	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2026	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-001
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: RW-3
 Collection Date: 05/21/2025 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.49	ft	1	05/21/2025 10:20	R365853
Depth to water	*	-5.00		6.57	ft	1	05/21/2025 10:20	R365853
Depth to water from measuring point	*	0		9.27	ft	1	05/21/2025 10:20	R365853
Elevation of groundwater surface	*	0		530.23	ft	1	05/21/2025 10:20	R365853
Measuring Point Elevation	*	0		539.50	ft	1	05/21/2025 10:20	R365853
Measuring Point Height Above Land Surface	*	0		2.70	ft	1	05/21/2025 10:20	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.0	NTU	1	05/21/2025 10:20	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		54.6	°F	1	05/21/2025 10:20	R365853
SW-846 9040B								
pH, Field	*	1.00		7.03		1	05/21/2025 10:20	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		650	µmhos/cm @25C	1	05/21/2025 10:20	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		385	mg/L	2.5	05/27/2025 15:58	R365834
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 12:48	R365418
Chloride	NELAP	5.00		25.0	mg/L	10	05/22/2025 12:48	R365418
Sulfate	NELAP	10.0		ND	mg/L	10	05/22/2025 12:48	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.142	mg/L	1	05/29/2025 8:50	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:50	239494
Boron	NELAP	0.0200		0.153	mg/L	1	05/29/2025 8:50	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:50	239494
Calcium	NELAP	0.100	B	64.9	mg/L	1	05/29/2025 8:50	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:50	239494
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:50	239494
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 8:50	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:50	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:05	239494
Arsenic	NELAP	0.0010		0.0808	mg/L	5	05/27/2025 21:20	239494
Lithium	*	0.0030		0.0051	mg/L	5	05/27/2025 21:20	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:05	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:05	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:26	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-002
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25

Client Sample ID: AP-1

Collection Date: 05/28/2025 9:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		504.29	ft	1	05/28/2025 9:56	R365853
Depth to water	*	-5.00		7.52	ft	1	05/28/2025 9:56	R365853
Depth to water from measuring point	*	0		9.79	ft	1	05/28/2025 9:56	R365853
Elevation of groundwater surface	*	0		525.58	ft	1	05/28/2025 9:56	R365853
Measuring Point Elevation	*	0		535.37	ft	1	05/28/2025 9:56	R365853
Measuring Point Height Above Land Surface	*	0		2.27	ft	1	05/28/2025 9:56	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		9.7	NTU	1	05/28/2025 9:56	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.2	°F	1	05/28/2025 9:56	R365853
SW-846 9040B								
pH, Field	*	1.00		6.42		1	05/28/2025 9:56	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		2100	µmhos/cm @25C	1	05/28/2025 9:56	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		1740	mg/L	1	06/04/2025 8:44	R366213
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/29/2025 8:47	R365636
Chloride	NELAP	5.00		50.1	mg/L	10	05/29/2025 8:47	R365636
Sulfate	NELAP	10.0		858	mg/L	10	05/29/2025 8:47	R365636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.262	mg/L	1	06/03/2025 12:47	239769
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	06/03/2025 12:47	239769
Boron	NELAP	0.200		20.8	mg/L	10	06/04/2025 12:30	239769
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/03/2025 12:47	239769
Calcium	NELAP	0.100		228	mg/L	1	06/03/2025 12:47	239769
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	06/03/2025 12:47	239769
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	06/03/2025 12:47	239769
Lead	NELAP	0.0075		< 0.0075	mg/L	1	06/03/2025 12:47	239769
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	06/03/2025 12:47	239769
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/30/2025 13:09	239769
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	06/03/2025 0:45	239769
Lithium	*	0.0030		0.0102	mg/L	5	05/30/2025 13:09	239769
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/30/2025 13:09	239769
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/30/2025 13:09	239769
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/30/2025 11:47	239778
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-003
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-2
 Collection Date: 05/21/2025 13:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.77	ft	1	05/21/2025 13:33	R365853
Depth to water	*	-5.00		5.29	ft	1	05/21/2025 13:33	R365853
Depth to water from measuring point	*	0		7.79	ft	1	05/21/2025 13:33	R365853
Elevation of groundwater surface	*	0		528.31	ft	1	05/21/2025 13:33	R365853
Measuring Point Elevation	*	0		536.10	ft	1	05/21/2025 13:33	R365853
Measuring Point Height Above Land Surface	*	0		2.50	ft	1	05/21/2025 13:33	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		24	NTU	1	05/21/2025 13:33	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.4	°F	1	05/21/2025 13:33	R365853
SW-846 9040B								
pH, Field	*	1.00		6.45		1	05/21/2025 13:33	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1180	µmhos/cm @25C	1	05/21/2025 13:33	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		1100	mg/L	1	05/27/2025 15:58	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 13:01	R365418
Chloride	NELAP	5.00		36.2	mg/L	10	05/22/2025 13:01	R365418
Sulfate	NELAP	10.0		367	mg/L	10	05/22/2025 13:01	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0654	mg/L	1	05/29/2025 8:50	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:50	239494
Boron	NELAP	0.0200		3.12	mg/L	1	05/29/2025 8:50	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:50	239494
Calcium	NELAP	0.100	B	183	mg/L	1	05/29/2025 8:50	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:50	239494
Cobalt	NELAP	0.0050		0.0095	mg/L	1	05/29/2025 8:50	239494
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 8:50	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:50	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:11	239494
Arsenic	NELAP	0.0010		0.0013	mg/L	5	05/27/2025 21:26	239494
Lithium	*	0.0030		0.0059	mg/L	5	05/27/2025 21:26	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:11	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:11	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:28	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-004
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-3
 Collection Date: 05/21/2025 12:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.45	ft	1	05/21/2025 12:56	R365853
Depth to water	*	-5.00		5.12	ft	1	05/21/2025 12:56	R365853
Depth to water from measuring point	*	0		7.67	ft	1	05/21/2025 12:56	R365853
Elevation of groundwater surface	*	0		527.58	ft	1	05/21/2025 12:56	R365853
Measuring Point Elevation	*	0		535.25	ft	1	05/21/2025 12:56	R365853
Measuring Point Height Above Land Surface	*	0		2.55	ft	1	05/21/2025 12:56	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		9.2	NTU	1	05/21/2025 12:56	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.8	°F	1	05/21/2025 12:56	R365853
SW-846 9040B								
pH, Field	*	1.00		6.53		1	05/21/2025 12:56	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1130	µmhos/cm @25C	1	05/21/2025 12:56	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		1180	mg/L	5	05/27/2025 15:59	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 13:13	R365418
Chloride	NELAP	5.00		61.7	mg/L	10	05/22/2025 13:13	R365418
Sulfate	NELAP	10.0		505	mg/L	10	05/22/2025 13:13	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.106	mg/L	1	05/29/2025 8:51	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:51	239494
Boron	NELAP	0.0200		12.9	mg/L	1	05/29/2025 8:51	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:51	239494
Calcium	NELAP	0.100	B	171	mg/L	1	05/29/2025 8:51	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:51	239494
Cobalt	NELAP	0.0050		0.0081	mg/L	1	05/30/2025 8:29	239494
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 8:51	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:51	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:17	239494
Arsenic	NELAP	0.0010		0.0103	mg/L	5	05/27/2025 21:31	239494
Lithium	*	0.0030		0.0046	mg/L	5	05/27/2025 21:31	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:17	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:17	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:35	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-005
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-4
 Collection Date: 05/28/2025 11:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.19	ft	1	05/28/2025 11:31	R365853
Depth to water	*	-5.00		7.24	ft	1	05/28/2025 11:31	R365853
Depth to water from measuring point	*	0		10.38	ft	1	05/28/2025 11:31	R365853
Elevation of groundwater surface	*	0		545.22	ft	1	05/28/2025 11:31	R365853
Measuring Point Elevation	*	0		555.60	ft	1	05/28/2025 11:31	R365853
Measuring Point Height Above Land Surface	*	0		3.14	ft	1	05/28/2025 11:31	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		170	NTU	1	05/28/2025 11:31	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		61.6	°F	1	05/28/2025 11:31	R365853
SW-846 9040B								
pH, Field	*	1.00		6.69		1	05/28/2025 11:31	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		979	µmhos/cm @25C	1	05/28/2025 11:31	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		528	mg/L	1	06/04/2025 8:44	R366213
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/29/2025 9:00	R365636
Chloride	NELAP	5.00		12.1	mg/L	10	05/29/2025 9:00	R365636
Sulfate	NELAP	10.0		ND	mg/L	10	05/29/2025 9:00	R365636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.434	mg/L	1	06/03/2025 12:48	239769
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	06/03/2025 12:48	239769
Boron	NELAP	0.0200		0.0772	mg/L	1	06/03/2025 12:48	239769
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/03/2025 12:48	239769
Calcium	NELAP	0.100		113	mg/L	1	06/03/2025 12:48	239769
Chromium	NELAP	0.0050		0.0081	mg/L	1	06/03/2025 12:48	239769
Cobalt	NELAP	0.0050		0.0083	mg/L	1	06/03/2025 12:48	239769
Lead	NELAP	0.0075		< 0.0075	mg/L	1	06/04/2025 12:31	239769
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	06/03/2025 12:48	239769
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/30/2025 13:15	239769
Arsenic	NELAP	0.0010		0.0223	mg/L	5	06/03/2025 0:51	239769
Lithium	*	0.0030		0.0117	mg/L	5	05/30/2025 13:15	239769
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/30/2025 13:15	239769
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/30/2025 13:15	239769
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/30/2025 11:49	239778
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-006
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-5
 Collection Date: 05/21/2025 10:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		552.63	ft	1	05/21/2025 10:31	R365853
Depth to water	*	-5.00		12.11	ft	1	05/21/2025 10:31	R365853
Depth to water from measuring point	*	0		14.41	ft	1	05/21/2025 10:31	R365853
Elevation of groundwater surface	*	0		569.49	ft	1	05/21/2025 10:31	R365853
Measuring Point Elevation	*	0		583.90	ft	1	05/21/2025 10:31	R365853
Measuring Point Height Above Land Surface	*	0		2.30	ft	1	05/21/2025 10:31	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		2.3	NTU	1	05/21/2025 10:31	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.3	°F	1	05/21/2025 10:31	R365853
SW-846 9040B								
pH, Field	*	1.00		6.67		1	05/21/2025 10:31	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		834	µmhos/cm @25C	1	05/21/2025 10:31	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		514	mg/L	1	05/27/2025 16:00	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 13:26	R365418
Chloride	NELAP	5.00		9.13	mg/L	10	05/22/2025 13:26	R365418
Sulfate	NELAP	10.0		63.6	mg/L	10	05/22/2025 13:26	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0571	mg/L	1	05/29/2025 8:52	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:52	239494
Boron	NELAP	0.0200		0.0521	mg/L	1	05/29/2025 8:52	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:52	239494
Calcium	NELAP	0.100	B	97.6	mg/L	1	05/29/2025 8:52	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:52	239494
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:52	239494
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 8:52	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:52	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:23	239494
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 21:37	239494
Lithium	*	0.0030		0.0044	mg/L	5	05/27/2025 21:37	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:23	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:23	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:42	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-007
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-6
 Collection Date: 05/21/2025 14:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		498.20	ft	1	05/21/2025 14:16	R365853
Depth to water	*	-5.00		5.35	ft	1	05/21/2025 14:16	R365853
Depth to water from measuring point	*	0		7.77	ft	1	05/21/2025 14:16	R365853
Elevation of groundwater surface	*	0		530.05	ft	1	05/21/2025 14:16	R365853
Measuring Point Elevation	*	0		537.82	ft	1	05/21/2025 14:16	R365853
Measuring Point Height Above Land Surface	*	0		2.42	ft	1	05/21/2025 14:16	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		4.0	NTU	1	05/21/2025 14:16	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		54.7	°F	1	05/21/2025 14:16	R365853
SW-846 9040B								
pH, Field	*	1.00		7.00		1	05/21/2025 14:16	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		684	µmhos/cm @25C	1	05/21/2025 14:16	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		432	mg/L	1	05/27/2025 16:00	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		0.58	mg/L	10	05/22/2025 13:39	R365418
Chloride	NELAP	5.00		32.6	mg/L	10	05/22/2025 13:39	R365418
Sulfate	NELAP	10.0		ND	mg/L	10	05/22/2025 13:39	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.154	mg/L	1	05/29/2025 8:53	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:53	239494
Boron	NELAP	0.0200		0.407	mg/L	1	05/29/2025 8:53	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:53	239494
Calcium	NELAP	0.100	B	65.1	mg/L	1	05/29/2025 8:53	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:53	239494
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:53	239494
Lead	NELAP	0.0075		0.0230	mg/L	1	05/29/2025 8:53	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:53	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:29	239494
Arsenic	NELAP	0.0010		0.0037	mg/L	5	05/27/2025 21:42	239494
Lithium	*	0.0030		0.0073	mg/L	5	05/27/2025 21:42	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:29	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:29	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:44	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-008
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-7
 Collection Date: 05/27/2025 11:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		496.50	ft	1	05/27/2025 11:57	R365853
Depth to water	*	-5.00		7.98	ft	1	05/27/2025 11:57	R365853
Depth to water from measuring point	*	0		10.64	ft	1	05/27/2025 11:57	R365853
Elevation of groundwater surface	*	0		528.38	ft	1	05/27/2025 11:57	R365853
Measuring Point Elevation	*	0		539.02	ft	1	05/27/2025 11:57	R365853
Measuring Point Height Above Land Surface	*	0		2.66	ft	1	05/27/2025 11:57	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		4.6	NTU	1	05/27/2025 11:57	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		54.4	°F	1	05/27/2025 11:57	R365853
SW-846 9040B								
pH, Field	*	1.00		7.14		1	05/27/2025 11:57	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		770	µmhos/cm @25C	1	05/27/2025 11:57	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		652	mg/L	1	06/03/2025 6:58	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		0.55	mg/L	10	05/28/2025 10:27	R365685
Chloride	NELAP	5.00		81.4	mg/L	10	05/28/2025 10:27	R365685
Sulfate	NELAP	10.0		ND	mg/L	10	05/28/2025 10:27	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.137	mg/L	1	05/29/2025 14:54	239684
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 14:54	239684
Boron	NELAP	0.0200		0.393	mg/L	1	05/29/2025 14:54	239684
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 14:54	239684
Calcium	NELAP	0.100		58.4	mg/L	1	05/29/2025 14:54	239684
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:54	239684
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:54	239684
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 14:54	239684
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 14:54	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 15:19	239684
Arsenic	NELAP	0.0010		0.0289	mg/L	5	05/28/2025 15:19	239684
Lithium	*	0.0030		0.0106	mg/L	5	05/28/2025 15:19	239684
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 15:19	239684
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 15:19	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/29/2025 15:37	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-009
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-8
 Collection Date: 05/21/2025 11:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		497.60	ft	1	05/21/2025 11:12	R365853
Depth to water	*	-5.00		1.11	ft	1	05/21/2025 11:12	R365853
Depth to water from measuring point	*	0		4.01	ft	1	05/21/2025 11:12	R365853
Elevation of groundwater surface	*	0		533.19	ft	1	05/21/2025 11:12	R365853
Measuring Point Elevation	*	0		537.20	ft	1	05/21/2025 11:12	R365853
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	05/21/2025 11:12	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		37	NTU	1	05/21/2025 11:12	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.3	°F	1	05/21/2025 11:12	R365853
SW-846 9040B								
pH, Field	*	1.00		6.78		1	05/21/2025 11:12	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		876	µmhos/cm @25C	1	05/21/2025 11:12	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		580	mg/L	5	05/27/2025 16:00	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 13:52	R365418
Chloride	NELAP	5.00		22.6	mg/L	10	05/22/2025 13:52	R365418
Sulfate	NELAP	10.0		ND	mg/L	10	05/22/2025 13:52	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.415	mg/L	1	05/29/2025 8:53	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:53	239494
Boron	NELAP	0.0200		0.963	mg/L	1	05/29/2025 8:53	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:53	239494
Calcium	NELAP	0.100	B	97.7	mg/L	1	05/29/2025 8:53	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:53	239494
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:53	239494
Lead	NELAP	0.0075		0.132	mg/L	1	05/29/2025 8:53	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:53	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:35	239494
Arsenic	NELAP	0.0010		0.0446	mg/L	5	05/27/2025 21:48	239494
Lithium	*	0.0030		0.0072	mg/L	5	05/27/2025 21:48	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:35	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:35	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:47	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-010
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-9
 Collection Date: 05/27/2025 10:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		500.70	ft	1	05/27/2025 10:24	R365853
Depth to water	*	-5.00		9.39	ft	1	05/27/2025 10:24	R365853
Depth to water from measuring point	*	0		12.49	ft	1	05/27/2025 10:24	R365853
Elevation of groundwater surface	*	0		527.81	ft	1	05/27/2025 10:24	R365853
Measuring Point Elevation	*	0		540.30	ft	1	05/27/2025 10:24	R365853
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	05/27/2025 10:24	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		45	NTU	1	05/27/2025 10:24	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.6	°F	1	05/27/2025 10:24	R365853
SW-846 9040B								
pH, Field	*	1.00		6.79		1	05/27/2025 10:24	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		963	µmhos/cm @25C	1	05/27/2025 10:24	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	33		681	mg/L	1.67	06/03/2025 6:58	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/28/2025 10:38	R365685
Chloride	NELAP	5.00		27.0	mg/L	10	05/28/2025 10:38	R365685
Sulfate	NELAP	10.0		17.9	mg/L	10	05/28/2025 10:38	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.322	mg/L	1	05/29/2025 14:28	239684
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 14:28	239684
Boron	NELAP	0.0200		0.0887	mg/L	1	05/29/2025 14:28	239684
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 14:28	239684
Calcium	NELAP	0.100	S	99.4	mg/L	1	05/29/2025 14:28	239684
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:28	239684
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:28	239684
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 14:28	239684
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 14:28	239684
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 15:25	239684
Arsenic	NELAP	0.0010		0.0014	mg/L	5	05/28/2025 15:25	239684
Lithium	*	0.0030		0.0064	mg/L	5	05/28/2025 15:25	239684
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 15:25	239684
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 15:25	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/29/2025 15:39	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-011
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-10
 Collection Date: 05/21/2025 12:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		499.43	ft	1	05/21/2025 12:04	R365853
Depth to water	*	-5.00		0.82	ft	1	05/21/2025 12:04	R365853
Depth to water from measuring point	*	0		3.92	ft	1	05/21/2025 12:04	R365853
Elevation of groundwater surface	*	0		533.58	ft	1	05/21/2025 12:04	R365853
Measuring Point Elevation	*	0		537.50	ft	1	05/21/2025 12:04	R365853
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	05/21/2025 12:04	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		140	NTU	1	05/21/2025 12:04	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.2	°F	1	05/21/2025 12:04	R365853
SW-846 9040B								
pH, Field	*	1.00		6.63		1	05/21/2025 12:04	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1100	µmhos/cm @25C	1	05/21/2025 12:04	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		820	mg/L	5	05/27/2025 16:00	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 14:42	R365418
Chloride	NELAP	5.00		24.6	mg/L	10	05/22/2025 14:42	R365418
Sulfate	NELAP	10.0		94.9	mg/L	10	05/22/2025 14:42	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.765	mg/L	1	05/29/2025 8:54	239494
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 8:54	239494
Boron	NELAP	0.0200		4.50	mg/L	1	05/29/2025 8:54	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 8:54	239494
Calcium	NELAP	0.100	B	143	mg/L	1	05/29/2025 8:54	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:54	239494
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 8:54	239494
Lead	NELAP	0.0075		0.0621	mg/L	1	05/29/2025 8:54	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 8:54	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 20:48	239494
Arsenic	NELAP	0.0010		0.0015	mg/L	5	05/27/2025 22:33	239494
Lithium	*	0.0030		0.0107	mg/L	5	05/27/2025 22:33	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 20:48	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 20:48	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:49	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-012
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-11
 Collection Date: 05/22/2025 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.15	ft	1	05/22/2025 10:55	R365853
Depth to water	*	-5.00		9.23	ft	1	05/22/2025 10:55	R365853
Depth to water from measuring point	*	0		12.03	ft	1	05/22/2025 10:55	R365853
Elevation of groundwater surface	*	0		526.07	ft	1	05/22/2025 10:55	R365853
Measuring Point Elevation	*	0		538.10	ft	1	05/22/2025 10:55	R365853
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	05/22/2025 10:55	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.9	NTU	1	05/22/2025 10:55	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.5	°F	1	05/22/2025 10:55	R365853
SW-846 9040B								
pH, Field	*	1.00		6.53		1	05/22/2025 10:55	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1110	µmhos/cm @25C	1	05/22/2025 10:55	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		784	mg/L	1	05/27/2025 16:00	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/23/2025 11:34	R365491
Chloride	NELAP	5.00		129	mg/L	10	05/23/2025 11:34	R365491
Sulfate	NELAP	10.0		84.6	mg/L	10	05/23/2025 11:34	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.140	mg/L	1	05/29/2025 15:54	239543
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 15:54	239543
Boron	NELAP	0.0200		0.273	mg/L	1	05/29/2025 15:54	239543
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 15:54	239543
Calcium	NELAP	0.100		160	mg/L	1	05/29/2025 15:54	239543
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:54	239543
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:54	239543
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 15:54	239543
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 15:54	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 11:30	239543
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 11:30	239543
Lithium	*	0.0030		0.0034	mg/L	5	05/27/2025 11:30	239543
Selenium	NELAP	0.0010		0.0049	mg/L	5	05/27/2025 11:30	239543
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2025 13:35	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/23/2025 14:29	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-013
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-12
 Collection Date: 05/22/2025 11:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		510.30	ft	1	05/22/2025 11:38	R365853
Depth to water	*	-5.00		12.26	ft	1	05/22/2025 11:38	R365853
Depth to water from measuring point	*	0		15.16	ft	1	05/22/2025 11:38	R365853
Elevation of groundwater surface	*	0		525.54	ft	1	05/22/2025 11:38	R365853
Measuring Point Elevation	*	0		540.70	ft	1	05/22/2025 11:38	R365853
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	05/22/2025 11:38	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		98	NTU	1	05/22/2025 11:38	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.2	°F	1	05/22/2025 11:38	R365853
SW-846 9040B								
pH, Field	*	1.00		6.50		1	05/22/2025 11:38	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1330	µmhos/cm @25C	1	05/22/2025 11:38	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		1190	mg/L	5	05/27/2025 16:01	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/23/2025 12:12	R365491
Chloride	NELAP	5.00		113	mg/L	10	05/23/2025 12:12	R365491
Sulfate	NELAP	10.0		416	mg/L	10	05/23/2025 12:12	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0575	mg/L	1	05/29/2025 15:55	239543
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 15:55	239543
Boron	NELAP	0.0200		0.0205	mg/L	1	05/29/2025 15:55	239543
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 15:55	239543
Calcium	NELAP	0.100		204	mg/L	1	05/29/2025 15:55	239543
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:55	239543
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:55	239543
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 15:55	239543
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 15:55	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 11:36	239543
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 11:36	239543
Lithium	*	0.0030		0.0056	mg/L	5	05/27/2025 11:36	239543
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 11:36	239543
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2025 13:41	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/23/2025 14:31	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-014
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-13
 Collection Date: 05/22/2025 13:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		511.00	ft	1	05/22/2025 13:07	R365853
Depth to water	*	-5.00		11.33	ft	1	05/22/2025 13:07	R365853
Depth to water from measuring point	*	0		14.73	ft	1	05/22/2025 13:07	R365853
Elevation of groundwater surface	*	0		527.27	ft	1	05/22/2025 13:07	R365853
Measuring Point Elevation	*	0		542.00	ft	1	05/22/2025 13:07	R365853
Measuring Point Height Above Land Surface	*	0		3.40	ft	1	05/22/2025 13:07	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		25	NTU	1	05/22/2025 13:07	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		54.6	°F	1	05/22/2025 13:07	R365853
SW-846 9040B								
pH, Field	*	1.00		6.68		1	05/22/2025 13:07	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		755	µmhos/cm @25C	1	05/22/2025 13:07	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		595	mg/L	2.5	05/27/2025 16:01	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/23/2025 13:03	R365491
Chloride	NELAP	5.00		24.7	mg/L	10	05/23/2025 13:03	R365491
Sulfate	NELAP	10.0		124	mg/L	10	05/23/2025 13:03	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.127	mg/L	1	05/29/2025 15:56	239543
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 15:56	239543
Boron	NELAP	0.0200		0.0276	mg/L	1	05/29/2025 15:56	239543
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 15:56	239543
Calcium	NELAP	0.100		114	mg/L	1	05/29/2025 15:56	239543
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:56	239543
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:56	239543
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 15:56	239543
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 15:56	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:09	239543
Arsenic	NELAP	0.0010		0.0032	mg/L	5	05/27/2025 12:09	239543
Lithium	*	0.0030		0.0107	mg/L	5	05/27/2025 12:09	239543
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:09	239543
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2025 13:47	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/23/2025 14:38	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-015
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AP-14
 Collection Date: 05/27/2025 13:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		508.40	ft	1	05/27/2025 13:44	R365853
Depth to water	*	-5.00		-0.08	ft	1	05/27/2025 13:44	R365853
Depth to water from measuring point	*	0		2.72	ft	1	05/27/2025 13:44	R365853
Elevation of groundwater surface	*	0		536.88	ft	1	05/27/2025 13:44	R365853
Measuring Point Elevation	*	0		539.60	ft	1	05/27/2025 13:44	R365853
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	05/27/2025 13:44	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		3.2	NTU	1	05/27/2025 13:44	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.8	°F	1	05/27/2025 13:44	R365853
SW-846 9040B								
pH, Field	*	1.00		7.02		1	05/27/2025 13:44	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		2020	µmhos/cm @25C	1	05/27/2025 13:44	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	33		1620	mg/L	1.67	06/03/2025 6:58	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/28/2025 11:25	R365685
Chloride	NELAP	5.00		105	mg/L	10	05/28/2025 11:25	R365685
Sulfate	NELAP	10.0		909	mg/L	10	05/28/2025 11:25	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0384	mg/L	1	05/29/2025 14:55	239684
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 14:55	239684
Boron	NELAP	0.200		21.7	mg/L	10	06/02/2025 22:21	239684
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 14:55	239684
Calcium	NELAP	0.100		276	mg/L	1	05/29/2025 14:55	239684
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:55	239684
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:55	239684
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 14:55	239684
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 14:55	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:08	239684
Arsenic	NELAP	0.0010		0.0017	mg/L	5	05/28/2025 16:08	239684
Lithium	*	0.0030		0.0073	mg/L	5	05/28/2025 16:08	239684
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:08	239684
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 16:08	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/29/2025 15:46	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-016
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25

Client Sample ID: T-1

Collection Date: 05/22/2025 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		512.70	ft	1	05/22/2025 13:50	R365853
Depth to water	*	-5.00		10.53	ft	1	05/22/2025 13:50	R365853
Depth to water from measuring point	*	0		10.86	ft	1	05/22/2025 13:50	R365853
Elevation of groundwater surface	*	0		524.79	ft	1	05/22/2025 13:50	R365853
Measuring Point Elevation	*	0		535.65	ft	1	05/22/2025 13:50	R365853
Measuring Point Height Above Land Surface	*	0		0.33	ft	1	05/22/2025 13:50	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		24	NTU	1	05/22/2025 13:50	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		54.1	°F	1	05/22/2025 13:50	R365853
SW-846 9040B								
pH, Field	*	1.00		6.58		1	05/22/2025 13:50	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1280	µmhos/cm @25C	1	05/22/2025 13:50	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		962	mg/L	1	05/27/2025 16:01	R365834
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/23/2025 13:16	R365491
Chloride	NELAP	5.00		232	mg/L	10	05/23/2025 13:16	R365491
Sulfate	NELAP	10.0		148	mg/L	10	05/23/2025 13:16	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0586	mg/L	1	05/29/2025 15:56	239543
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 15:56	239543
Boron	NELAP	0.0200		0.163	mg/L	1	05/29/2025 15:56	239543
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 15:56	239543
Calcium	NELAP	0.100		165	mg/L	1	05/29/2025 15:56	239543
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:56	239543
Cobalt	NELAP	0.0050		0.0055	mg/L	1	05/29/2025 15:56	239543
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 15:56	239543
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 15:56	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:14	239543
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:14	239543
Lithium	*	0.0030		0.0142	mg/L	5	05/27/2025 12:14	239543
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:14	239543
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2025 14:17	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/23/2025 14:40	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-017
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: T-2
 Collection Date: 05/22/2025 12:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.18	ft	1	05/22/2025 12:19	R365853
Depth to water	*	-5.00		21.43	ft	1	05/22/2025 12:19	R365853
Depth to water from measuring point	*	0		23.83	ft	1	05/22/2025 12:19	R365853
Elevation of groundwater surface	*	0		525.79	ft	1	05/22/2025 12:19	R365853
Measuring Point Elevation	*	0		549.62	ft	1	05/22/2025 12:19	R365853
Measuring Point Height Above Land Surface	*	0		2.40	ft	1	05/22/2025 12:19	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		17	NTU	1	05/22/2025 12:19	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.1	°F	1	05/22/2025 12:19	R365853
SW-846 9040B								
pH, Field	*	1.00		6.55		1	05/22/2025 12:19	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1740	µmhos/cm @25C	1	05/22/2025 12:19	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		1550	mg/L	2.5	05/27/2025 16:01	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/23/2025 13:28	R365491
Chloride	NELAP	5.00		522	mg/L	10	05/23/2025 13:28	R365491
Sulfate	NELAP	10.0		143	mg/L	10	05/23/2025 13:28	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.226	mg/L	1	05/29/2025 16:02	239543
Beryllium	NELAP	0.0005		0.0005	mg/L	1	05/29/2025 16:02	239543
Boron	NELAP	0.0200		0.0507	mg/L	1	05/29/2025 16:02	239543
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 16:02	239543
Calcium	NELAP	0.100		231	mg/L	1	05/29/2025 16:02	239543
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 16:02	239543
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	06/03/2025 10:13	239543
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 16:02	239543
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 16:02	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:20	239543
Arsenic	NELAP	0.0010		0.0056	mg/L	5	05/27/2025 12:20	239543
Lithium	*	0.0030		0.0320	mg/L	5	05/27/2025 12:20	239543
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:20	239543
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2025 14:23	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/23/2025 14:43	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-018
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: T-4
 Collection Date: 05/27/2025 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		521.52	ft	1	05/27/2025 11:04	R365853
Depth to water	*	-5.00		13.26	ft	1	05/27/2025 11:04	R365853
Depth to water from measuring point	*	0		15.64	ft	1	05/27/2025 11:04	R365853
Elevation of groundwater surface	*	0		533.30	ft	1	05/27/2025 11:04	R365853
Measuring Point Elevation	*	0		548.94	ft	1	05/27/2025 11:04	R365853
Measuring Point Height Above Land Surface	*	0		2.38	ft	1	05/27/2025 11:04	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		23	NTU	1	05/27/2025 11:04	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.2	°F	1	05/27/2025 11:04	R365853
SW-846 9040B								
pH, Field	*	1.00		6.63		1	05/27/2025 11:04	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		641	µmhos/cm @25C	1	05/27/2025 11:04	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	33		478	mg/L	1.67	06/03/2025 6:59	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/28/2025 11:37	R365685
Chloride	NELAP	5.00		ND	mg/L	10	05/28/2025 11:37	R365685
Sulfate	NELAP	10.0		101	mg/L	10	05/28/2025 11:37	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0345	mg/L	1	05/29/2025 14:56	239684
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 14:56	239684
Boron	NELAP	0.0200		0.0577	mg/L	1	05/29/2025 14:56	239684
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 14:56	239684
Calcium	NELAP	0.100		72.8	mg/L	1	05/29/2025 14:56	239684
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:56	239684
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 14:56	239684
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 14:56	239684
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 14:56	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:14	239684
Arsenic	NELAP	0.0010		0.0039	mg/L	5	05/28/2025 16:14	239684
Lithium	*	0.0030		0.0158	mg/L	5	05/28/2025 16:14	239684
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:14	239684
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 16:14	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/29/2025 15:48	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-019
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: T-5
 Collection Date: 05/27/2025 13:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		518.32	ft	1	05/27/2025 13:23	R365853
Depth to water	*	-5.00		6.06	ft	1	05/27/2025 13:23	R365853
Depth to water from measuring point	*	0		8.57	ft	1	05/27/2025 13:23	R365853
Elevation of groundwater surface	*	0		532.09	ft	1	05/27/2025 13:23	R365853
Measuring Point Elevation	*	0		540.66	ft	1	05/27/2025 13:23	R365853
Measuring Point Height Above Land Surface	*	0		2.51	ft	1	05/27/2025 13:23	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		9.9	NTU	1	05/27/2025 13:23	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.7	°F	1	05/27/2025 13:23	R365853
SW-846 9040B								
pH, Field	*	1.00		6.77		1	05/27/2025 13:23	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		536	µmhos/cm @25C	1	05/27/2025 13:23	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		428	mg/L	1	06/03/2025 6:59	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/28/2025 11:48	R365685
Chloride	NELAP	5.00		ND	mg/L	10	05/28/2025 11:48	R365685
Sulfate	NELAP	10.0		35.4	mg/L	10	05/28/2025 11:48	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0567	mg/L	1	05/29/2025 15:17	239684
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 15:17	239684
Boron	NELAP	0.0200		0.0671	mg/L	1	05/29/2025 15:17	239684
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 15:17	239684
Calcium	NELAP	0.100		72.4	mg/L	1	05/29/2025 15:17	239684
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:17	239684
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:17	239684
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 15:17	239684
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 15:17	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:20	239684
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:20	239684
Lithium	*	0.0030		0.0089	mg/L	5	05/28/2025 16:20	239684
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:20	239684
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 16:20	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/29/2025 15:55	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-020
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: T-6
 Collection Date: 05/27/2025 12:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		494.70	ft	1	05/27/2025 12:38	R365853
Depth to water	*	-5.00		6.47	ft	1	05/27/2025 12:38	R365853
Depth to water from measuring point	*	0		8.83	ft	1	05/27/2025 12:38	R365853
Elevation of groundwater surface	*	0		529.49	ft	1	05/27/2025 12:38	R365853
Measuring Point Elevation	*	0		538.32	ft	1	05/27/2025 12:38	R365853
Measuring Point Height Above Land Surface	*	0		2.36	ft	1	05/27/2025 12:38	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.8	NTU	1	05/27/2025 12:38	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.8	°F	1	05/27/2025 12:38	R365853
SW-846 9040B								
pH, Field	*	1.00		7.00		1	05/27/2025 12:38	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		860	µmhos/cm @25C	1	05/27/2025 12:38	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		570	mg/L	2.5	06/03/2025 6:59	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/28/2025 12:23	R365685
Chloride	NELAP	5.00		20.8	mg/L	10	05/28/2025 12:23	R365685
Sulfate	NELAP	10.0		ND	mg/L	10	05/28/2025 12:23	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.279	mg/L	1	05/29/2025 15:18	239684
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 15:18	239684
Boron	NELAP	0.0200		0.200	mg/L	1	05/29/2025 15:18	239684
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 15:18	239684
Calcium	NELAP	0.100		92.2	mg/L	1	05/29/2025 15:18	239684
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:18	239684
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 15:18	239684
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 15:18	239684
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 15:18	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:26	239684
Arsenic	NELAP	0.0010		0.0195	mg/L	5	05/28/2025 16:26	239684
Lithium	*	0.0030		0.0138	mg/L	5	05/28/2025 16:26	239684
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 16:26	239684
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 16:26	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/29/2025 15:57	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-021
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: AW-1
 Collection Date: 05/22/2025 10:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		500.79	ft	1	05/22/2025 10:24	R365853
Depth to water	*	-5.00		11.02	ft	1	05/22/2025 10:24	R365853
Depth to water from measuring point	*	0		13.77	ft	1	05/22/2025 10:24	R365853
Elevation of groundwater surface	*	0		541.83	ft	1	05/22/2025 10:24	R365853
Measuring Point Elevation	*	0		555.60	ft	1	05/22/2025 10:24	R365853
Measuring Point Height Above Land Surface	*	0		2.75	ft	1	05/22/2025 10:24	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		3.6	NTU	1	05/22/2025 10:24	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.4	°F	1	05/22/2025 10:24	R365853
SW-846 9040B								
pH, Field	*	1.00		6.96		1	05/22/2025 10:24	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1480	µmhos/cm @25C	1	05/22/2025 10:24	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		1190	mg/L	1	05/27/2025 16:01	R365834
<i>Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/23/2025 14:06	R365491
Chloride	NELAP	5.00		36.8	mg/L	10	05/23/2025 14:06	R365491
Sulfate	NELAP	10.0		388	mg/L	10	05/23/2025 14:06	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0790	mg/L	1	05/29/2025 16:03	239543
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/29/2025 16:03	239543
Boron	NELAP	0.0200		8.75	mg/L	1	05/29/2025 16:03	239543
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 16:03	239543
Calcium	NELAP	0.100	S	203	mg/L	1	05/29/2025 16:03	239543
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 16:03	239543
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 16:03	239543
Lead	NELAP	0.0075		< 0.0075	mg/L	1	05/29/2025 16:03	239543
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 16:03	239543
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:41	239543
Arsenic	NELAP	0.0010		0.0016	mg/L	5	05/27/2025 12:41	239543
Lithium	*	0.0030		0.0101	mg/L	5	05/27/2025 12:41	239543
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/27/2025 12:41	239543
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2025 14:48	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/23/2025 14:45	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 25051158-022
 Matrix: GROUNDWATER

Work Order: 25051158
 Report Date: 27-Jun-25
 Client Sample ID: G120
 Collection Date: 05/21/2025 13:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		502.73	ft	1	05/21/2025 13:58	R365853
Depth to water	*	-5.00		16.18	ft	1	05/21/2025 13:58	R365853
Depth to water from measuring point	*	0		16.18	ft	1	05/21/2025 13:58	R365853
Elevation of groundwater surface	*	0		536.92	ft	1	05/21/2025 13:58	R365853
Measuring Point Elevation	*	0		553.10	ft	1	05/21/2025 13:58	R365853
Measuring Point Height Above Land Surface	*	0		0	ft	1	05/21/2025 13:58	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		14	NTU	1	05/21/2025 13:58	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.7	°F	1	05/21/2025 13:58	R365853
SW-846 9040B								
pH, Field	*	1.00		6.57		1	05/21/2025 13:58	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1950	µmhos/cm @25C	1	05/21/2025 13:58	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	200		1340	mg/L	10	05/27/2025 15:59	R365834
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	05/22/2025 14:55	R365418
Chloride	NELAP	5.00		35.5	mg/L	10	05/22/2025 14:55	R365418
Sulfate	NELAP	10.0		562	mg/L	10	05/22/2025 14:55	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.842	mg/L	1	05/29/2025 9:00	239494
Beryllium	NELAP	0.0005		0.0009	mg/L	1	05/29/2025 9:00	239494
Boron	NELAP	0.0200		8.02	mg/L	1	05/29/2025 9:00	239494
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/29/2025 9:00	239494
Calcium	NELAP	0.100	B	256	mg/L	1	05/29/2025 9:00	239494
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/29/2025 9:00	239494
Cobalt	NELAP	0.0050		0.0058	mg/L	1	05/29/2025 9:00	239494
Lead	NELAP	0.0075		0.0301	mg/L	1	05/29/2025 9:00	239494
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/29/2025 9:00	239494
<i>Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:41	239494
Arsenic	NELAP	0.0010		0.0114	mg/L	5	05/27/2025 22:38	239494
Lithium	*	0.0030		0.0084	mg/L	5	05/27/2025 22:38	239494
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/28/2025 19:41	239494
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/28/2025 19:41	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2025 17:51	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		See Attached	pci/L	1	06/25/2025 0:00	R367317



Receiving Check List

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

Client: City Water, Light & Power

Work Order: 25051158

Client Project: Ash Pond Monitoring Wells

Report Date: 27-Jun-25

Carrier: Daniel Crump

Received By: JMD

Completed by:

On:

21-May-25

Laura E Henson

Reviewed by:

On:

28-May-25

Elizabeth A. Hurley

Pages to follow:

Chain of custody

7

Extra pages included

53

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C

5.9

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.

pH strip #101358. - EK/lhenson - 5/21/2025 5:22:34 PM

Additional nitric acid (103505) was needed in AP5, AP-10 and G120 upon arrival at the laboratory. - EK/lhenson - 5/21/2025 5:22:40 PM

Cooler #2 = 5.3C, Cooler #3 = 8.3C (LTG#9). EK/LH 5/21/25

Samples were received on 5/22/25 at 15:45 on ice [temp 4.5C, 7.1C - LTG#9]. pH# 101358. Additional nitric acid (103505) was needed in AW-1 upon arrival at the laboratory. - JD/ lhenson - 5/22/2025 4:29:35 PM

Samples were received on 5/27/25 at 1535 on ice [16.3C - LTG#5]. pH strip #101358. - JD/amberdilallo - 5/27/2025 4:03:59 PM

Samples were received on 5/28/25 at 13:50 on ice [5.5C - LTG#9]. pH# 101358. Additional nitric acid (103505) was needed in AP-4 upon arrival at the laboratory. - JD/lhenson - 5/28/2025 4:38:37 PM

CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051158

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

8.3

Client: City Water, Light & Power
 Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
 City/State/Zip: Springfield IL 62712
 Contact: Eric Staley Phone: (217) 757-8610
 Email: eric.staley@cwlp.com Fax:

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 Permit on file

PROJECT NAME/NUMBER

Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME

Daniel Cump

RESULTS REQUESTED

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

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
25051158 001	RW-3	5-21-25 1020	Groundwater
002	AP-1		Groundwater
003	AP-2	5-21-25 1333	Groundwater
004	AP-3	5-21-25 1256	Groundwater
005	AP-4		Groundwater
006	AP-5	5/21/25 1031	Groundwater
007	AP-6	5-21-25 1416	Groundwater
008	AP-7		Groundwater
009	AP-8	5-21-25 1112	Groundwater
010	AP-9		Groundwater
011	AP-10	5-21-25 1204	Groundwater

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 59/5.3 °C 9
 Preserved in: ☒ LAB ☐ FIELD **FOR LAB USE ONLY**
 LAB NOTES: Add HNO3 (103505) 1 liter bottles for 7 APS, 2 AP-10, and 2 G120. R/S 12/1/25

Client Comments:

*elevations, pH, conductivity, temperature
 **Sb As Li Se TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
 Quarterly monitoring

and Type of Containers

INDICATE ANALYSIS REQUESTED

UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Relinquished By	Date/Time	Received By	Date/Time
221 go	5-21/1605	Emily Kussakosta	5/21/25 @ 1605

*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

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

7.

Client: City Water, Light & Power

Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building

City/State/Zip: Springfield IL 62712

Contact: Eric Staley Phone: (217) 757-8610

Email: eric.staley@cwlp.com Fax: _____

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 Permit on file

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME

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

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
<u>25031158</u>	<u>001</u> RW-3		Groundwater
<u>002</u>	AP-1		Groundwater
<u>003</u>	AP-2		Groundwater
<u>004</u>	AP-3		Groundwater
<u>005</u>	AP-4		Groundwater
<u>006</u>	AP-5		Groundwater
<u>007</u>	AP-6		Groundwater
<u>008</u>	AP-7		Groundwater
<u>009</u>	AP-8		Groundwater
<u>010</u>	AP-9		Groundwater
<u>011</u>	AP-10	<u>5/22/25</u>	Groundwater

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 4.5 °C 9

Preserved in: ☐ LAB ☒ FIELD FOR LAB USE ONLY

LAB NOTES: PH 101358
Added HNO3 1/2 - AW-1
(103505) 5/22/25

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

and Type of Containers

UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other
<u>1</u>	<u>2</u>							

INDICATE ANALYSIS REQUESTED

Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒
☒	☒	☒	☒	☒	☒

Relinquished By
Eric Staley

Date/Time
5-22/1945

Received By
Jim Doe

Date/Time
5/22/25 154

*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

CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25051158

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

Client: <u>City Water, Light & Power</u> Address: <u>3100 Stevenson Drive, 2nd Floor Maintenance Building</u> City/State/Zip: <u>Springfield IL 62712</u> Contact: <u>Eric Staley</u> Phone: <u>(217) 757-8610</u> Email: <u>eric.staley@cwlp.com</u> Fax: _____				Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: _____																																																									
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 Permit on file				Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo Quarterly monitoring																																																									
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME _____		# and Type of Containers <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>UNP</th> <th>HNO3</th> <th>NaOH</th> <th>H2SO4</th> <th>HCL</th> <th>MeOH</th> <th>NaHSO4</th> <th>TSP</th> <th>Other</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other										INDICATE ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Field parameters*</th> <th>Cl F SO4 TDS (T)</th> <th>Metals (T)**</th> <th>Radium-226</th> <th>Radium-228</th> <th>Field Turbidity</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity																														
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Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity																																																								
RESULTS REQUESTED ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)		BILLING INSTRUCTIONS _____																																																											
Lab Use Only <u>25051158</u>	Sample ID <u>012</u>	Date/Time Sampled <u>5-22-25 1055</u>	Matrix <u>Groundwater</u>																																																										
	<u>013</u>	<u>5-22-25 1130</u>	<u>Groundwater</u>																																																										
	<u>014</u>	<u>5-22-25 1307</u>	<u>Groundwater</u>																																																										
	<u>015</u>		<u>Groundwater</u>																																																										
	<u>016</u>	<u>5-22-25 1350</u>	<u>Groundwater</u>																																																										
	<u>017</u>	<u>5-22-25 1219</u>	<u>Groundwater</u>																																																										
	<u>018</u>		<u>Groundwater</u>																																																										
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	<u>020</u>		<u>Groundwater</u>																																																										
	<u>021</u>	<u>5/22/25 1024</u>	<u>Groundwater</u>																																																										
	<u>022</u>	<u>9120</u>	<u>Groundwater</u>																																																										
Relinquished By <u>[Signature]</u>		Date/Time <u>5-22/1545</u>		Received By <u>[Signature]</u>		Date/Time <u>5/22/25 15:45</u>																																																							

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

Client: <u>City Water, Light & Power</u> Address: <u>3100 Stevenson Drive, 2nd Floor Maintenance Building</u> City/State/Zip: <u>Springfield IL 62712</u> Contact: <u>Eric Staley</u> Phone: <u>(217) 757-8610</u> Email: <u>eric.staley@cwlp.com</u> Fax: _____ 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 Permit on file				Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE <u>16.3 °C 5'</u> Preserved in: ☐ LAB ☒ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: <u>PH 10.358</u> <u>SD 5/27/25</u> Client Comments: *elevations, pH, conductivity, temperature **Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo Quarterly monitoring																										
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>Brett Gillman</u>																												
RESULTS REQUESTED ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)			BILLING INSTRUCTIONS																											
Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers	INDICATE ANALYSIS REQUESTED																									
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity												
25031158	001		Groundwater	1	23								✓	✓	✓	✓	✓	✓												
	002		Groundwater	1	21								✓	✓	✓	✓	✓	✓												
	003		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	004		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	005		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	006		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	007		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	008	5-27-25 1157	Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	009		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	010	5-27-25 1024	Groundwater	1	2								✓	✓	✓	✓	✓	✓												
	011		Groundwater	1	2								✓	✓	✓	✓	✓	✓												
Relinquished By		Date/Time		Received By				Date/Time																						
21 SO		5-27/1535		[Signature]				5/27/25 15:35																						

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051158

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

Client: <u>City Water, Light & Power</u> Address: <u>3100 Stevenson Drive, 2nd Floor Maintenance Building</u> City/State/Zip: <u>Springfield IL 62712</u> Contact: <u>Eric Staley</u> Phone: <u>(217) 757-8610</u> Email: <u>eric.staley@cwlp.com</u> Fax: _____				Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE <u>5.5</u> °C <u>9</u> Preserved in: ☒ LAB ☐ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: <u>Added HNO3 (103505) 2/2 AP-4 liters</u> <u>PH 101358</u> <u>JD 2/28/25</u>																																	
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 Permit on file				Client Comments: *elevations, pH, conductivity, temperature **Sb As Li Se TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo Quarterly monitoring																																	
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>Justin Cole</u>		# and Type of Containers <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>UNP</th> <th>HNO3</th> <th>NaOH</th> <th>H2SO4</th> <th>HCL</th> <th>MeOH</th> <th>NaHSO4</th> <th>TSP</th> <th>Other</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other										INDICATE ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Field parameters*</th> <th>Cl F SO4 TDS (T)</th> <th>Metals (T)**</th> <th>Radium-226</th> <th>Radium-228</th> <th>Field Turbidity</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity						
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Lab Use Only <u>25051158</u>	Sample ID <u>001</u>	Date/Time Sampled <u>5/28/25 956</u>	Matrix <u>Groundwater</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>UNP</th> <th>HNO3</th> <th>NaOH</th> <th>H2SO4</th> <th>HCL</th> <th>MeOH</th> <th>NaHSO4</th> <th>TSP</th> <th>Other</th> </tr> <tr> <td>1</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> </table>		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	1	2	2	2	2	2	2	2	2														
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Relinquished By <u>218</u>		Date/Time <u>5-28/1350</u>		Received By <u>Eric Staley</u>		Date/Time <u>5/28/25 1350</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

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: RW-3
Sample ID: 001
Date (s): 5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 10:00 Static Water Level: 9.27 feet below TOC
 Total Depth: 44.01 feet below TOC
 Water Column: 34.74 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $34.74 \text{ ft.} \times 0.022 = 0.76 \text{ L} \times 3 \text{ Vol.} = 2.28 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:00	0.0	300	purge start time						
10:08	2.4	↓	7.04	649.70	12.60	0.59	-99.00	8.49	
10:11	3.3		7.04	649.10	12.61	0.55	-103.90	6.68	
10:14	4.2		7.04	648.50	12.58	0.51	-108.10	4.91	
10:17	5.1		7.03	649.20	12.59	0.48	-111.30	5.05	
10:20	6.0		7.03	649.80	12.58	0.45	-114.40	5.04	

Sampling Activities

Sampled By: DC Sample Date/Time: 5/21/2025 10:20
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.03 pH 649.80 Spec. Cond. 12.58 Temp
 Field Filtered: No Filter Type:
 Water Level: 9.27 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells **Monitoring Point:** AP-1
Project Location: Springfield, IL **Sample ID:** 002
W.O. Number (s): 25051158 **Date (s):** 5/28/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
 Name: Affiliation:

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☒ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good			X
Protective Casing	Good			X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/28/2025 9:19 Static Water Level: 9.79 feet below TOC
 Total Depth: 31.08 feet below TOC
 Water Column: 21.29 feet

Purging Activities

Purged By: JC Purge Date: 5/28/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $21.29 \text{ ft.} \times 0.022 = 0.47 \text{ L} \times 3 \text{ Vol.} = 1.41 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 8.00 L
 Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:20	0.0	222	purge start time						
9:26	1.3	↓	6.57	1,846.80	14.01	6.18	86.00	50.33	
9:29	2.0		6.44	1,922.20	14.03	5.37	88.70	39.69	
9:32	2.7		6.40	1,969.40	14.06	4.80	89.00	36.83	
9:35	3.3		6.39	2,000.20	14.01	4.39	88.60	33.74	
9:38	4.0		6.39	2,046.10	14.01	4.06	88.30	26.01	
9:41	4.7		6.39	2,068.70	14.01	3.81	87.80	23.84	
9:44	5.3		6.40	2,082.70	14.08	3.59	87.30	23.90	
9:47	6.0		6.41	2,091.30	14.05	3.41	86.80	16.86	
9:50	6.7		6.41	2,094.80	14.03	3.26	86.40	13.60	
9:53	7.3		6.42	2,096.20	14.02	3.13	85.90	9.55	
9:56	8.0		6.42	2,095.90	14.02	3.01	85.40	9.71	

Sampling Activities

Sampled By: JC Sample Date/Time: 5/28/2025 9:56
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.42 pH 2,095.90 Spec. Cond. 14.02 Temp
 Field Filtered: No Filter Type:
 Water Level: 10.20 feet below TOC Drawdown: 0.41 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Justin Colp Date: 5/28/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-2
Sample ID: 003
Date (s): 5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 13:07 Static Water Level: 7.79 feet below TOC
 Total Depth: 21.33 feet below TOC
 Water Column: 13.54 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $13.54 \text{ ft.} \times 0.022 = 0.3 \text{ L} \times 3 \text{ Vol.} = 0.9 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:07	0.0	231	purge start time						
13:21	3.2	↓	6.45	1,177.50	13.41	0.38	8.80	70.62	
13:24	3.9		6.44	1,179.20	13.58	0.35	8.70	52.86	
13:27	4.6		6.44	1,184.60	13.87	0.32	8.80	40.66	
13:30	5.3		6.45	1,182.50	13.43	0.30	9.10	31.33	
13:33	6.0		6.45	1,180.90	13.58	0.29	9.20	24.47	

Sampling Activities

Sampled By: DC Sample Date/Time: 5/21/2025 13:33
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.45 pH 1,180.90 Spec. Cond. 13.58 Temp
 Field Filtered: No Filter Type:
 Water Level: 7.80 feet below TOC Drawdown: 0.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-3
Sample ID: 004
Date (s): 5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 12:30 Static Water Level: 7.67 feet below TOC
 Total Depth: 20.80 feet below TOC
 Water Column: 13.13 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $13.13 \text{ ft.} \times 0.022 = 0.29 \text{ L} \times 3 \text{ Vol.} = 0.87 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	231	purge start time						
12:44	3.2	↓	6.53	1,119.40	13.56	0.31	-53.20	26.92	
12:47	3.9		6.52	1,118.10	13.50	0.28	-55.50	18.11	
12:50	4.6		6.52	1,123.10	13.61	0.26	-57.30	13.70	
12:53	5.3		6.52	1,126.10	13.47	0.25	-58.50	10.62	
12:56	6.0		6.53	1,126.40	13.25	0.23	-59.30	9.17	

Sampling Activities

Sampled By: DC Sample Date/Time: 5/21/2025 12:56
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.53 pH 1,126.40 Spec. Cond. 13.25 Temp
 Field Filtered: No Filter Type:
 Water Level: 7.85 feet below TOC Drawdown: 0.18 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells **Monitoring Point:** AP-4
Project Location: Springfield, IL **Sample ID:** 005
W.O. Number (s): 25051158 **Date (s):** 5/28/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
 Name: Affiliation:

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☒ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good		Locks	Yes	No
Casing	Good		Protective Casing		X
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 5/28/2025 10:54 Static Water Level: 10.38 feet below TOC
 Total Depth: 60.41 feet below TOC
 Water Column: 50.03 feet

Purging Activities

Purged By: JC Purge Date: 5/28/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $50.03 \text{ ft.} \times 0.022 = 1.1 \text{ L} \times 3 \text{ Vol.} = 3.3 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 7.00 L
 Physical appearance of purge water: Cloudy Odor: None Color: greyish

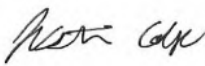
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	194	purge start time						
11:04	1.8	↓	6.73	964.00	15.95	4.59	68.80	140.86	
11:07	2.3		6.71	968.70	15.99	4.08	68.80	195.05	
11:10	2.9		6.70	972.90	15.97	3.70	68.40	212.04	
11:13	3.5		6.69	975.00	15.91	3.41	67.70	229.67	
11:16	4.1		6.69	976.10	15.99	3.17	66.70	232.48	
11:19	4.7		6.69	976.70	16.07	2.98	65.40	217.94	
11:22	5.3		6.69	977.50	16.13	2.82	64.00	212.96	
11:25	5.8		6.68	977.90	16.26	2.69	62.30	196.53	
11:28	6.4		6.69	978.90	16.35	2.58	60.60	168.32	
11:31	7.0		6.69	978.70	16.43	2.48	58.70	170.33	

Sampling Activities

Sampled By: JC Sample Date/Time: 5/28/2025 11:31
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.69 pH 978.70 Spec. Cond. 16.43 Temp
 Field Filtered: No Filter Type:
 Water Level: 10.53 feet below TOC Drawdown: 0.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: 

Date: 5/28/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-5
Sample ID: 006
Date (s): 5/21/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
 Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 9:43 Static Water Level: 14.41 feet below TOC
 Total Depth: 31.27 feet below TOC
 Water Column: 16.86 feet

Purging Activities

Purged By: JC Purge Date: 5/21/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $16.86 \text{ ft.} \times 0.022 = 0.37 \text{ L} \times 3 \text{ Vol.} = 1.11 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 8.00 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:47	0.0	182	purge start time						
10:19	5.8	↓	6.65	835.40	12.91	3.23	41.90	1.79	
10:22	6.4		6.65	834.90	12.90	3.15	41.30	1.80	
10:25	6.9		6.66	834.60	12.93	3.08	40.80	2.00	
10:28	7.5		6.66	834.30	12.95	3.01	40.40	2.10	
10:31	8.0		6.67	834.20	12.95	2.95	40.00	2.33	

Sampling Activities

Sampled By: JC Sample Date/Time: 5/21/2025 10:31
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.67 pH 834.20 Spec. Cond. 12.95 Temp
 Field Filtered: No Filter Type:
 Water Level: 15.69 feet below TOC Drawdown: 1.28 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Justin Colp

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-6
Sample ID: 007
Date (s): 5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 13:52 Static Water Level: 7.77 feet below TOC
 Total Depth: 39.62 feet below TOC
 Water Column: 31.85 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $31.85 \text{ ft.} \times 0.022 = 0.7 \text{ L} \times 3 \text{ Vol.} = 2.1 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:52	0.0	250	purge start time						
14:04	3.0	↓	7.08	648.70	12.84	1.40	62.10	8.84	
14:07	3.8		7.07	648.20	12.75	1.31	60.00	7.25	
14:10	4.5		7.01	648.70	12.78	1.26	61.60	5.84	
14:13	5.3		6.99	648.30	12.69	1.23	61.10	5.62	
14:16	6.0		7.00	648.50	12.62	1.25	60.20	4.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/21/2025 14:16
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.00 pH 648.50 Spec. Cond. 12.62 Temp
 Field Filtered: No Filter Type:
 Water Level: 7.79 feet below TOC Drawdown: 0.02 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-7
Sample ID: 008
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☒ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 11:27 Static Water Level: 10.64 feet below TOC
 Total Depth: 42.52 feet below TOC
 Water Column: 31.88 feet

Purging Activities

Purged By: JR Purge Date: 5/27/2025
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): $31.88 \text{ ft.} \times 0.022 = 0.7 \text{ L} \times 3 \text{ Vol.} = 2.1 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:27	0.0	167	purge start time						
11:44	2.8	↓	7.13	730.50	12.22	0.65	-9.80	7.65	
11:47	3.3		7.12	736.70	12.30	0.60	-24.40	7.03	
11:50	3.8		7.11	746.90	12.37	0.57	-36.40	10.65	
11:53	4.3		7.13	759.20	12.49	0.54	-45.70	6.33	
11:56	4.8		7.14	769.70	12.47	0.51	-52.90	4.56	

Sampling Activities

Sampled By: JR Sample Date/Time: 5/27/2025 11:57
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.14 pH 769.70 Spec. Cond. 12.47 Temp
 Field Filtered: No Filter Type:
 Water Level: 10.69 feet below TOC Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/27/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-8
Sample ID: 009
Date (s): 5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 10:45 Static Water Level: 4.01 feet below TOC
 Total Depth: 39.60 feet below TOC
 Water Column: 35.59 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $35.59 \text{ ft.} \times 0.022 = 0.78 \text{ L} \times 3 \text{ Vol.} = 2.34 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:45	0.0	222	purge start time						
11:00	3.3	↓	6.78	878.60	13.40	1.19	-98.10	85.01	
11:03	4.0		6.78	876.10	13.37	1.08	-99.50	67.14	
11:06	4.7		6.78	876.00	13.43	1.03	-100.70	53.27	
11:09	5.3		6.78	875.20	13.54	1.02	-101.40	48.89	
11:12	6.0		6.78	876.20	13.52	0.96	-102.10	37.12	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/21/2025 11:12
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.78 pH 876.20 Spec. Cond. 13.52 Temp
 Field Filtered: No Filter Type:
 Water Level: 4.32 feet below TOC Drawdown: 0.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-9
Sample ID: 010
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☒ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 9:31 Static Water Level: 12.49 feet below TOC
 Total Depth: 39.60 feet below TOC
 Water Column: 27.11 feet

Purging Activities

Purged By: BG Purge Date: 5/27/2025
 Purge Method: Submersible Pump Well Diameter: 2"
 Purge Volume Calculation (L): $27.11 \text{ ft.} \times 0.022 = 0.6 \text{ L} \times 3 \text{ Vol.} = 1.8 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:31	0.0	94	purge start time						
10:12	3.9	↓	6.77	982.90	13.57	2.08	265.00	47.03	
10:15	4.2		6.78	975.30	13.76	2.10	262.90	41.45	
10:18	4.4		6.78	973.40	13.70	1.96	258.40	41.67	
10:21	4.7		6.78	966.30	13.72	1.80	250.10	43.68	
10:24	5.0		6.79	963.40	13.68	1.71	239.20	45.24	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/27/2025 10:24
 Sample Method: Low Flow Sample Equipment: Submersible Pump
 Sample Parameters: 6.79 pH 963.40 Spec. Cond. 13.68 Temp
 Field Filtered: No Filter Type:
 Water Level: 12.62 feet below TOC Drawdown: 0.13 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/27/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-10
Sample ID: 011
Date (s): 5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☒ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 11:35 Static Water Level: 3.92 feet below TOC
 Total Depth: 38.07 feet below TOC
 Water Column: 34.15 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $34.15 \text{ ft.} \times 0.022 = 0.75 \text{ L} \times 3 \text{ Vol.} = 2.25 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:35	0.0	207	purge start time						
11:52	3.5	↓	6.62	1,101.10	13.82	0.91	-82.30	55.50	
11:55	4.1		6.62	1,099.50	13.83	0.86	-84.10	87.61	
11:58	4.8		6.62	1,102.00	14.05	0.84	-85.70	179.00	
12:01	5.4		6.63	1,103.20	14.02	0.83	-86.90	162.87	
12:04	6.0		6.63	1,102.80	13.99	0.81	-87.60	136.71	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/21/2025 12:04
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.63 pH 1,102.80 Spec. Cond. 13.99 Temp
 Field Filtered: No Filter Type:
 Water Level: 4.21 feet below TOC Drawdown: 0.29 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/21/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-11
Sample ID: 012
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 10:30 Static Water Level: 12.03 feet below TOC
 Total Depth: 22.95 feet below TOC
 Water Column: 10.92 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $10.92 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 4.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:30	0.0	160	purge start time						
10:43	2.1	↓	6.55	1,117.80	13.61	1.51	167.70	22.69	
10:46	2.6		6.54	1,106.60	13.79	1.35	168.40	13.78	
10:49	3.0		6.54	1,110.80	13.51	1.16	167.80	9.56	
10:52	3.5		6.53	1,105.70	13.30	1.13	167.10	9.02	
10:55	4.0		6.53	1,107.80	13.03	1.09	166.10	8.90	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 10:55
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.53 pH 1,107.80 Spec. Cond. 13.03 Temp
 Field Filtered: No Filter Type:
 Water Level: 12.05 feet below TOC Drawdown: 0.02 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/22/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-12
Sample ID: 013
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good		Locks	Yes	No
Casing	Good		Protective Casing		X
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 11:12 Static Water Level: 15.16 feet below TOC
 Total Depth: 30.40 feet below TOC
 Water Column: 15.24 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $15.24 \text{ ft.} \times 0.022 = 0.34 \text{ L} \times 3 \text{ Vol.} = 1.02 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.00 L
 Physical appearance of purge water: Cloudy Odor: None Color: Lt Orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:12	0.0	154	purge start time						
11:25	2.0	↓	6.51	1,328.30	13.10	1.22	110.10	211.77	
11:28	2.5		6.51	1,325.30	12.91	1.11	102.10	174.11	
11:31	2.9		6.51	1,322.60	12.99	1.09	95.20	135.07	
11:34	3.4		6.50	1,323.50	13.32	1.07	88.80	95.93	
11:37	3.8		6.50	1,325.90	13.42	1.05	82.70	98.34	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 11:38
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.50 pH 1,325.90 Spec. Cond. 13.42 Temp
 Field Filtered: No Filter Type:
 Water Level: 15.26 feet below TOC Drawdown: 0.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/22/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: AP-13
Sample ID: 014
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 12:37 Static Water Level: 14.73 feet below TOC
 Total Depth: 31.00 feet below TOC
 Water Column: 16.27 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $16.27 \text{ ft.} \times 0.022 = 0.36 \text{ L} \times 3 \text{ Vol.} = 1.08 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:37	0.0	167	purge start time						
12:55	3.0	↓	6.70	758.80	12.97	1.02	-46.10	22.00	
12:58	3.5		6.69	756.60	12.69	0.99	-46.90	17.69	
13:01	4.0		6.69	755.70	12.62	0.97	-47.60	16.88	
13:04	4.5		6.68	755.30	12.56	0.94	-47.90	12.02	
13:07	5.0		6.68	754.60	12.56	0.93	-48.10	25.44	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 13:07
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.68 pH 754.60 Spec. Cond. 12.56 Temp
 Field Filtered: No Filter Type:
 Water Level: 14.96 feet below TOC Drawdown: 0.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/22/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells **Monitoring Point:** AP-14
Project Location: Springfield, IL **Sample ID:** 015
W.O. Number (s): 25051158 **Date (s):** 5/27/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
 Name: Affiliation:

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☒ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good			X
Protective Casing	Good			X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 13:07 Static Water Level: 2.72 feet below TOC
 Total Depth: 31.20 feet below TOC
 Water Column: 28.48 feet

Purging Activities

Purged By: JC Purge Date: 5/27/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $28.48 \text{ ft.} \times 0.022 = 0.63 \text{ L} \times 3 \text{ Vol.} = 1.89 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 9.00 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:06	0.0	237	purge start time						
13:14	1.9	↓	7.16	2,023.70	14.74	5.78	111.10	16.61	
13:17	2.6		7.11	2,023.20	14.71	5.30	110.80	7.27	
13:20	3.3		7.08	2,021.40	14.44	4.94	110.30	5.26	
13:23	4.0		7.06	2,022.40	14.39	4.63	109.60	2.83	
13:26	4.7		7.05	2,023.00	14.34	4.37	108.80	6.82	
13:29	5.4		7.04	2,023.20	14.33	4.15	107.90	5.66	
13:32	6.2		7.03	2,025.90	14.57	3.94	106.90	14.55	
13:35	6.9		7.03	2,026.70	14.56	3.76	105.80	9.22	
13:38	7.6		7.03	2,026.10	14.52	3.59	105.00	3.49	
13:41	8.3		7.03	2,023.50	14.40	3.45	104.30	2.62	
13:44	9.0		7.02	2,021.50	14.34	3.33	103.50	3.23	

Sampling Activities

Sampled By: JC Sample Date/Time: 5/27/2025 13:44
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 7.02 pH 2,021.50 Spec. Cond. 14.34 Temp
 Field Filtered: No Filter Type:
 Water Level: 3.09 feet below TOC Drawdown: 0.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Justin Colp

Date: 5/27/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: T-1
Sample ID: 016
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 13:23 Static Water Level: 10.86 feet below TOC
 Total Depth: 22.95 feet below TOC
 Water Column: 12.09 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $12.09 \text{ ft.} \times 0.022 = 0.27 \text{ L} \times 3 \text{ Vol.} = 0.81 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	185	purge start time						
13:38	2.8	↓	6.60	1,281.40	12.17	1.05	31.10	53.11	
13:41	3.3		6.59	1,285.80	12.23	0.99	33.80	40.42	
13:44	3.9		6.59	1,286.30	12.21	0.97	36.40	35.04	
13:47	4.4		6.58	1,285.40	12.26	0.96	39.00	31.18	
13:50	5.0		6.58	1,284.90	12.26	0.98	41.30	24.38	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 13:50
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.58 pH 1,284.90 Spec. Cond. 12.26 Temp
 Field Filtered: No Filter Type:
 Water Level: 11.25 feet below TOC Drawdown: 0.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/22/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: T-2
Sample ID: 017
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
 Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☐ S ☐ E ☒ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 11:58 Static Water Level: 23.83 feet below TOC
 Total Depth: 34.44 feet below TOC
 Water Column: 10.61 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $10.61 \text{ ft.} \times 0.022 = 0.23 \text{ L} \times 3 \text{ Vol.} = 0.69 \text{ L}$ *Based on Low-Flow (3/8" discharge)
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:58	0.0	238	purge start time						
12:07	2.1	↓	6.54	1,700.10	12.86	1.85	-31.10	14.04	
12:10	2.9		6.53	1,705.50	13.33	2.37	-37.90	18.37	
12:13	3.6		6.54	1,718.20	13.74	2.71	-43.30	18.19	
12:16	4.3		6.54	1,731.30	13.91	3.00	-47.10	17.42	
12:19	5.0		6.55	1,742.30	13.96	3.03	-49.80	17.28	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 12:19
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.55 pH 1,742.30 Spec. Cond. 13.96 Temp
 Field Filtered: No Filter Type:
 Water Level: 23.98 feet below TOC Drawdown: 0.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/22/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: T-4
Sample ID: 018
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☒ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 10:44 Static Water Level: 15.64 feet below TOC
 Total Depth: 27.42 feet below TOC
 Water Column: 11.78 feet

Purging Activities

Purged By: BG Purge Date: 5/27/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $11.78 \text{ ft.} \times 0.022 = 0.26 \text{ L} \times 3 \text{ Vol.} = 0.78 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:44	0.0	250	purge start time						
10:52	2.0	↓	6.68	650.50	13.27	1.64	190.40	21.71	
10:55	2.8		6.65	647.50	13.59	1.72	194.10	26.95	
10:58	3.5		6.63	645.50	13.45	1.70	196.90	23.73	
11:01	4.3		6.63	642.60	13.50	1.63	199.00	26.12	
11:04	5.0		6.63	641.30	13.46	1.58	200.60	22.74	

Sampling Activities

Sampled By: JR Sample Date/Time: 5/27/2025 11:04
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.63 pH 641.30 Spec. Cond. 13.46 Temp
 Field Filtered: No Filter Type:
 Water Level: 15.80 feet below TOC Drawdown: 0.16 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date:

5/27/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: T-5
Sample ID: 019
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F Wind Direction: ☐ N ☒ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good		Locks	Yes	No
Casing	Good		Protective Casing		X
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 12:59 Static Water Level: 8.57 feet below TOC
 Total Depth: 22.34 feet below TOC
 Water Column: 13.77 feet

Purging Activities

Purged By: BG Purge Date: 5/27/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $13.77 \text{ ft.} \times 0.022 = 0.3 \text{ L} \times 3 \text{ Vol.} = 0.9 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:59	0.0	167	purge start time						
13:11	2.0	↓	6.78	543.10	16.36	1.21	28.70	11.50	
13:14	2.5		6.77	540.30	16.12	1.17	32.60	10.59	
13:17	3.0		6.77	539.10	16.07	1.15	36.50	9.76	
13:20	3.5		6.77	537.20	16.00	1.13	40.10	10.74	
13:23	4.0		6.77	536.50	15.94	1.13	43.80	9.87	

Sampling Activities

Sampled By: JR Sample Date/Time: 5/27/2025 13:23
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.77 pH 536.50 Spec. Cond. 15.94 Temp
 Field Filtered: No Filter Type:
 Water Level: 9.14 feet below TOC Drawdown: 0.57 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/27/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: T-6
Sample ID: 020
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☒ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 12:15 Static Water Level: 8.83 feet below TOC
 Total Depth: 43.62 feet below TOC
 Water Column: 34.79 feet

Purging Activities

Purged By: JR Purge Date: 5/27/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): $34.79 \text{ ft.} \times 0.022 = 0.77 \text{ L} \times 3 \text{ Vol.} = 2.31 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:15	0.0	217	purge start time						
12:26	2.4	↓	6.99	858.40	16.17	1.46	-87.50	4.90	
12:29	3.0		6.99	862.80	15.83	1.30	-95.50	6.02	
12:32	3.7		6.99	857.20	15.83	1.16	-101.10	8.20	
12:35	4.3		6.99	855.90	15.95	1.19	-104.50	6.31	
12:38	5.0		7.00	859.60	16.00	1.14	-107.10	8.81	

Sampling Activities

Sampled By: JR Sample Date/Time: 5/27/2025 12:38
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 7.00 pH 859.60 Spec. Cond. 16.00 Temp
 Field Filtered: No Filter Type:
 Water Level: 9.05 feet below TOC Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By:

Brett Gillihan

Date: 5/27/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
 Project Location: Springfield, IL
 W.O. Number (s): 25051158

Monitoring Point: AW-1
 Sample ID: 021
 Date (s): 5/22/2025

Field Team Members

Name: Payton Yoch Affiliation: TekLab, Inc.
 Name: Justin Colp Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☒ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☒ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 9:50 Static Water Level: 13.77 feet below TOC
 Total Depth: 54.81 feet below TOC
 Water Column: 41.04 feet

Purging Activities

Purged By: PY Purge Date: 5/22/2025
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 41.04 ft. x 0.022 = 0.9 L x 3 Vol. = 2.7 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: None Color: None

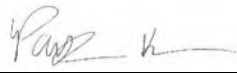
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:55	0.0	172	purge start time						
10:12	2.9	↓	6.89	1,482.50	13.66	7.29	70.00	4.06	
10:15	3.4		6.90	1,480.20	13.86	7.16	70.40	4.64	
10:18	4.0		6.92	1,478.90	14.31	7.08	70.70	4.12	
10:21	4.5		6.94	1,478.80	14.50	7.10	71.00	3.38	
10:24	5.0		6.96	1,477.40	14.65	7.19	71.50	3.55	

Sampling Activities

Sampled By: PY Sample Date/Time: 5/22/2025 10:24
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.96 pH 1,477.40 Spec. Cond. 14.65 Temp
 Field Filtered: Yes Filter Type: Inline Disposable
 Water Level: 15.72 feet below TOC Drawdown: 1.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: 

Date: 5/22/2025



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158

Monitoring Point: G120
Sample ID: 022
Date (s): 5/21/2025

Field Team Members

Name: Payton Yoch Affiliation: TekLab, Inc.
 Name: Justin Colp Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☒ NW
 Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good		Locks	Yes	No
Casing	Good		Protective Casing		X
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 13:34 Static Water Level: 16.18 feet below TOC
 Total Depth: 50.37 feet below TOC
 Water Column: 34.19 feet

Purging Activities

Purged By: PY Purge Date: 5/21/2025
 Purge Method: Submersible Pump Well Diameter: 2"
 Purge Volume Calculation (L): $34.19 \text{ ft.} \times 0.022 = 0.75 \text{ L} \times 3 \text{ Vol.} = 2.25 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 7.00 L
 Physical appearance of purge water: Slightly cloudy Odor: Slight Color: None

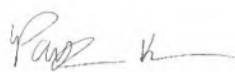
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:25	0.0	212	purge start time						
13:43	3.8	↓	6.59	1,943.40	15.75	3.59	77.90	15.49	
13:46	4.5		6.58	1,946.40	15.82	3.31	73.60	15.45	
13:49	5.1		6.58	1,947.80	15.70	3.11	68.80	20.89	
13:52	5.7		6.57	1,946.60	15.86	2.95	63.60	18.90	
13:55	6.4		6.57	1,949.50	15.88	2.82	58.10	13.31	
13:58	7.0		6.57	1,948.40	15.95	2.71	52.50	13.58	

Sampling Activities

Sampled By: PY Sample Date/Time: 5/21/2025 13:58
 Sample Method: Low Flow Sample Equipment: Submersible Pump
 Sample Parameters: 6.57 pH 1,948.40 Spec. Cond. 15.95 Temp
 Field Filtered: Yes Filter Type: Inline Disposable
 Water Level: 16.30 feet below TOC Drawdown: 0.12 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: 

Date: 5/21/2025



Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/21/25 9:19
7.0 Buffer	WC250407A	7.00	5/21/25 9:12
10.0 Buffer	WC240625A	10.00	5/21/25 9:25
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/21/25 9:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	5/21/25 9:37
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	5/21/25 9:41	17	7.01	1,447	0.63		
CCV-1-BG	CCV	5/21/25 16:03	17.8	7.04	1,422	0.66		

Comments: _____

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/22/25 9:40
7.0 Buffer	WC250407A	7.00	5/22/25 9:35
10.0 Buffer	WC240625A	10.00	5/22/25 9:50
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1418	5/22/25 9:53

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.17	5/22/25 9:56
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	5/22/25 10:30	18.1	6.94	1,436	0.45		
CCV-2-BG	CCV	5/22/25 14:19	17.1	7.02	1,439	0.66		

Comments: _____

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/27/25 8:17
7.0 Buffer	WC25047A	7.00	5/27/25 8:10
10.0 Buffer	WC240625A	10.00	5/27/25 8:26
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1413	5/27/25 8:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	5/27/25 8:43
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-BG	LCS	5/27/25 8:48	16.9	7.05	1,443	0.42		
CCV-3-BG	CCV	5/27/25 14:12	18.6	7.03	1,464	0.54		

Comments: _____

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/28/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/28/25 8:37
7.0 Buffer	WC25047A	7.00	5/28/25 8:28
10.0 Buffer	WC240625A	10.00	5/28/25 8:43
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1418	5/28/25 8:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.19	5/28/25 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-BG	LCS	5/28/25 8:55	17.1	6.99	1,446	0.35		
CCV-4-BG	CCV	5/28/25 12:08	18.4	7.02	1,425	0.48		

Comments: _____

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): justin colp Date: 5/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc250102a	4.00	5/21/25 9:19
7.0 Buffer	wc250407a	7.00	5/21/25 9:14
10.0 Buffer	wc240625a	10.00	5/21/25 9:24
LCS/CCV (7.0 Buffer)	wc240918a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/21/25 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.12	5/21/25 9:30
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	5/21/25 9:34	18.9	6.98	1,410	1.08		
CCV-1-JC	CCV	5/21/25 14:37	20	6.96	1,434	1.05		

Comments: _____

Field Meter ID: Pine 210760 Technician(s): Payton Yoch Date: 5/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/22/25 9:14
7.0 Buffer	WC250407A	7.00	5/22/25 9:09
10.0 Buffer	WC240625A	10.00	5/22/25 9:20
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/22/25 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.07	5/22/25 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-PY	LCS	5/22/25 9:38	17.3	7.05	1,412	1.07		
CCV-2-PY	CCV	5/22/25 14:14	18.5	6.98	1,415	1.08		

Comments: _____

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): justin colp Date: 5/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/27/25 8:56
7.0 Buffer	WC250407A	7.00	5/27/25 8:50
10.0 Buffer	WC240625A	10.00	5/27/25 9:01
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/27/25 9:07

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.21	5/27/25 9:08
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	5/27/25 9:11	19.2	6.96	1,407	1.24		
CCV-3-JC	CCV	5/27/25 14:15	21.9	7.02	1,404	1.31		

Comments: _____

Field Meter ID: Pine 210760 Technician(s): justin colp Date: 5/28/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/28/25 8:47
7.0 Buffer	WC250407A	7.00	5/28/25 8:43
10.0 Buffer	WC240625A	10.00	5/28/25 8:51
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/28/25 8:57

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.12	5/28/25 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	5/28/25 9:03	20.5	6.97	1,409	1.16		
CCV-4-JC	CCV	5/28/25 12:20	20.8	6.93	1,400	1.57		

Comments: _____



ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/26/2025 3:10:42 PM

JOB DESCRIPTION

Radium-226 and Radium-228
25051158

JOB NUMBER

160-58259-1

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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6/26/2025 3:10:42 PM

Authorized for release by
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(314)298-8566

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Case Narrative

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-58259-1

Job ID: 160-58259-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 25051158

Report Number: 160-58259-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt

The samples were received on 5/29/2025 9:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 11.2°C, 18.4°C and 18.6°C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 25052389-001 (160-58258-1), 25051158-001 (160-58259-1), 25051158-002 (160-58259-2), 25051158-003 (160-58259-3), 25051158-004 (160-58259-4), 25051158-005 (160-58259-5), 25051158-006 (160-58259-6), 25051158-007 (160-58259-7), 25051158-008 (160-58259-8), 25051158-009 (160-58259-9), 25051158-010 (160-58259-10), 25051158-011 (160-58259-11), 25051158-012 (160-58259-12), 25051158-013 (160-58259-13), 25051158-014 (160-58259-14), 25051158-015 (160-58259-15), 25051158-016 (160-58259-16), 25051158-017 (160-58259-17), 25051158-018 (160-58259-18), 25051158-019 (160-58259-19), 25051158-020 (160-58259-20), 25051158-021 (160-58259-21) and 25051158-022 (160-58259-22). The container labels list B at the end of the sample IDs, while the COC lists no B at the end of the sample IDs. The sample ID was logged in per the COC.

Method 903.0 - Radium-226 (GFPC)

Samples 25051158-001 (160-58259-1), 25051158-002 (160-58259-2), 25051158-003 (160-58259-3), 25051158-004 (160-58259-4), 25051158-005 (160-58259-5), 25051158-006 (160-58259-6), 25051158-007 (160-58259-7), 25051158-008 (160-58259-8), 25051158-009 (160-58259-9), 25051158-010 (160-58259-10), 25051158-011 (160-58259-11), 25051158-012 (160-58259-12), 25051158-013 (160-58259-13), 25051158-014 (160-58259-14), 25051158-015 (160-58259-15), 25051158-016 (160-58259-16), 25051158-017 (160-58259-17), 25051158-018 (160-58259-18), 25051158-019 (160-58259-19), 25051158-020 (160-58259-20), 25051158-021 (160-58259-21) and 25051158-022 (160-58259-22) were analyzed for Radium-226 (GFPC). The samples were prepared on 6/2/2025 and analyzed on 6/24/2025 and 6/25/2025.

Eurofins St. Louis

Case Narrative

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-58259-1

Job ID: 160-58259-1 (Continued)

Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)

Samples 25051158-001 (160-58259-1), 25051158-002 (160-58259-2), 25051158-003 (160-58259-3), 25051158-004 (160-58259-4), 25051158-005 (160-58259-5), 25051158-006 (160-58259-6), 25051158-007 (160-58259-7), 25051158-008 (160-58259-8), 25051158-009 (160-58259-9), 25051158-010 (160-58259-10), 25051158-011 (160-58259-11), 25051158-012 (160-58259-12), 25051158-013 (160-58259-13), 25051158-014 (160-58259-14), 25051158-015 (160-58259-15), 25051158-016 (160-58259-16), 25051158-017 (160-58259-17), 25051158-018 (160-58259-18), 25051158-019 (160-58259-19), 25051158-020 (160-58259-20), 25051158-021 (160-58259-21) and 25051158-022 (160-58259-22) were analyzed for Radium-228 (GFPC). The samples were prepared on 6/2/2025 and analyzed on 6/24/2025 and 6/25/2025.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 25051158-022 (160-58259-22). Analytical results are reported with the detection limit achieved.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Project# 25051158
Cooler Temp: Sampler: client
Comments: Please issue reports and invoices via email only
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Shelly Hennessy Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT Billing/PO: 38673
Phone: 618-344-1004 ex 36

PLEASE NOTE:
NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226	Radium 228
	25051158-001	5/21/25 10:20	HNO3	Groundwater	☒	☒
	25051158-002	5/28/25 9:56	HNO3	Groundwater	☒	☒
	25051158-003	5/21/25 13:33	HNO3	Groundwater	☒	☒
	25051158-004	5/21/25 12:56	HNO3	Groundwater	☒	☒
	25051158-005	5/28/25 11:31	HNO3	Groundwater	☒	☒
	25051158-006	5/21/25 10:31	HNO3	Groundwater	☒	☒
	25051158-007	5/21/25 14:16	HNO3	Groundwater	☒	☒
	25051158-008	5/27/25 11:57	HNO3	Groundwater	☒	☒
	25051158-009	5/21/25 11:12	HNO3	Groundwater	☒	☒
	25051158-010	5/27/25 10:24	HNO3	Groundwater	☒	☒
	25051158-011	5/21/25 12:04	HNO3	Groundwater	☒	☒



*Relinquished By: Date/Time: 5/29/25 09:53
Received By: Date/Time: 5/29/25 09:53



TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234

Project#

25051158

Contact:

ssy

Email:

shennessy@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO: 38673

Phone: 618-344-1004 ex 36

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	25051158-012	5/22/25 10:55	HNO3	Groundwater
	25051158-013	5/22/25 11:38	HNO3	Groundwater
	25051158-014	5/22/25 13:07	HNO3	Groundwater
	25051158-015	5/27/25 13:44	HNO3	Groundwater
	25051158-016	5/22/25 13:50	HNO3	Groundwater
	25051158-017	5/22/25 12:19	HNO3	Groundwater
	25051158-018	5/27/25 4:04 1104	HNO3	Groundwater
	25051158-019	5/27/25 13:25	HNO3	Groundwater
	25051158-020	5/27/25 12:38	HNO3	Groundwater
	25051158-021	5/22/25 10:24	HNO3	Groundwater
	25051158-022	5/21/25 13:58	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
	5/29/25 08:30		5/29/25 08:30
	5/29/25 08:30		5/29/25 08:30

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-58259-1

SDG Number: 25051158

Login Number: 58259

List Number: 1

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-58259-1	25051158-001	Water	05/21/25 10:20	05/29/25 09:26
160-58259-2	25051158-002	Water	05/28/25 09:56	05/29/25 09:26
160-58259-3	25051158-003	Water	05/21/25 13:33	05/29/25 09:26
160-58259-4	25051158-004	Water	05/21/25 12:56	05/29/25 09:26
160-58259-5	25051158-005	Water	05/28/25 11:31	05/29/25 09:26
160-58259-6	25051158-006	Water	05/21/25 10:31	05/29/25 09:26
160-58259-7	25051158-007	Water	05/21/25 14:16	05/29/25 09:26
160-58259-8	25051158-008	Water	05/27/25 11:57	05/29/25 09:26
160-58259-9	25051158-009	Water	05/21/25 11:12	05/29/25 09:26
160-58259-10	25051158-010	Water	05/27/25 10:24	05/29/25 09:26
160-58259-11	25051158-011	Water	05/21/25 12:04	05/29/25 09:26
160-58259-12	25051158-012	Water	05/22/25 10:55	05/29/25 09:26
160-58259-13	25051158-013	Water	05/22/25 11:38	05/29/25 09:26
160-58259-14	25051158-014	Water	05/22/25 13:07	05/29/25 09:26
160-58259-15	25051158-015	Water	05/27/25 13:44	05/29/25 09:26
160-58259-16	25051158-016	Water	05/22/25 13:50	05/29/25 09:26
160-58259-17	25051158-017	Water	05/22/25 12:19	05/29/25 09:26
160-58259-18	25051158-018	Water	05/27/25 11:04	05/29/25 09:26
160-58259-19	25051158-019	Water	05/27/25 13:25	05/29/25 09:26
160-58259-20	25051158-020	Water	05/27/25 12:38	05/29/25 09:26
160-58259-21	25051158-021	Water	05/22/25 10:24	05/29/25 09:26
160-58259-22	25051158-022	Water	05/21/25 13:58	05/29/25 09:26

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-001

Lab Sample ID: 160-58259-1

Date Collected: 05/21/25 10:20

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.169	U	0.223	0.224	1.00	0.374	pCi/L	06/02/25 08:39	06/24/25 18:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.6		30 - 110					06/02/25 08:39	06/24/25 18:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.859		0.476	0.483	1.00	0.670	pCi/L	06/02/25 08:45	06/24/25 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.6		30 - 110					06/02/25 08:45	06/24/25 12:28	1
Y Carrier	77.0		30 - 110					06/02/25 08:45	06/24/25 12:28	1

Client Sample ID: 25051158-002

Lab Sample ID: 160-58259-2

Date Collected: 05/28/25 09:56

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.312	U	0.225	0.226	1.00	0.315	pCi/L	06/02/25 08:39	06/24/25 18:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					06/02/25 08:39	06/24/25 18:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.602		0.384	0.388	1.00	0.570	pCi/L	06/02/25 08:45	06/24/25 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					06/02/25 08:45	06/24/25 12:28	1
Y Carrier	83.0		30 - 110					06/02/25 08:45	06/24/25 12:28	1

Client Sample ID: 25051158-003

Lab Sample ID: 160-58259-3

Date Collected: 05/21/25 13:33

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.318	U	0.270	0.272	1.00	0.414	pCi/L	06/02/25 08:39	06/24/25 18:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					06/02/25 08:39	06/24/25 18:19	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-003

Lab Sample ID: 160-58259-3

Date Collected: 05/21/25 13:33

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0327	U	0.330	0.330	1.00	0.626	pCi/L	06/02/25 08:45	06/24/25 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					06/02/25 08:45	06/24/25 12:22	1
Y Carrier	78.9		30 - 110					06/02/25 08:45	06/24/25 12:22	1

Client Sample ID: 25051158-004

Lab Sample ID: 160-58259-4

Date Collected: 05/21/25 12:56

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U	0.164	0.164	1.00	0.340	pCi/L	06/02/25 08:39	06/24/25 18:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					06/02/25 08:39	06/24/25 18:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.181	U	0.277	0.277	1.00	0.581	pCi/L	06/02/25 08:45	06/24/25 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					06/02/25 08:45	06/24/25 12:22	1
Y Carrier	81.1		30 - 110					06/02/25 08:45	06/24/25 12:22	1

Client Sample ID: 25051158-005

Lab Sample ID: 160-58259-5

Date Collected: 05/28/25 11:31

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.731		0.436	0.441	1.00	0.566	pCi/L	06/02/25 08:39	06/24/25 18:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					06/02/25 08:39	06/24/25 18:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.645	0.653	1.00	0.913	pCi/L	06/02/25 08:45	06/24/25 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					06/02/25 08:45	06/24/25 12:22	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-005

Date Collected: 05/28/25 11:31

Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-5

Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	81.1		30 - 110	06/02/25 08:45	06/24/25 12:22	1

Client Sample ID: 25051158-006

Date Collected: 05/21/25 10:31

Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.193	0.194	1.00	0.343	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	83.8		30 - 110	06/02/25 08:18	06/25/25 16:29	1				

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0430	U	0.305	0.306	1.00	0.590	pCi/L	06/02/25 08:26	06/25/25 12:08	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	83.8		30 - 110	06/02/25 08:26	06/25/25 12:08	1				
Y Carrier	78.5		30 - 110	06/02/25 08:26	06/25/25 12:08	1				

Client Sample ID: 25051158-007

Date Collected: 05/21/25 14:16

Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.112	U	0.192	0.192	1.00	0.428	pCi/L	06/02/25 08:18	06/25/25 16:28	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	87.8		30 - 110	06/02/25 08:18	06/25/25 16:28	1				

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.279	U	0.362	0.363	1.00	0.602	pCi/L	06/02/25 08:26	06/25/25 12:08	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	87.8		30 - 110	06/02/25 08:26	06/25/25 12:08	1				
Y Carrier	80.7		30 - 110	06/02/25 08:26	06/25/25 12:08	1				

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-008

Lab Sample ID: 160-58259-8

Date Collected: 05/27/25 11:57

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.304	U	0.244	0.245	1.00	0.357	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.886		0.446	0.453	1.00	0.622	pCi/L	06/02/25 08:26	06/25/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					06/02/25 08:26	06/25/25 12:08	1
Y Carrier	78.5		30 - 110					06/02/25 08:26	06/25/25 12:08	1

Client Sample ID: 25051158-009

Lab Sample ID: 160-58259-9

Date Collected: 05/21/25 11:12

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.23		0.433	0.447	1.00	0.408	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.783		0.486	0.491	1.00	0.705	pCi/L	06/02/25 08:26	06/25/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					06/02/25 08:26	06/25/25 12:08	1
Y Carrier	77.0		30 - 110					06/02/25 08:26	06/25/25 12:08	1

Client Sample ID: 25051158-010

Lab Sample ID: 160-58259-10

Date Collected: 05/27/25 10:24

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324	U	0.247	0.249	1.00	0.357	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					06/02/25 08:18	06/25/25 16:29	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-010

Lab Sample ID: 160-58259-10

Date Collected: 05/27/25 10:24

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.130	U	0.274	0.274	1.00	0.483	pCi/L	06/02/25 08:26	06/25/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					06/02/25 08:26	06/25/25 12:08	1
Y Carrier	81.1		30 - 110					06/02/25 08:26	06/25/25 12:08	1

Client Sample ID: 25051158-011

Lab Sample ID: 160-58259-11

Date Collected: 05/21/25 12:04

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.12		0.465	0.476	1.00	0.552	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.573	0.582	1.00	0.807	pCi/L	06/02/25 08:26	06/25/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					06/02/25 08:26	06/25/25 12:08	1
Y Carrier	81.1		30 - 110					06/02/25 08:26	06/25/25 12:08	1

Client Sample ID: 25051158-012

Lab Sample ID: 160-58259-12

Date Collected: 05/22/25 10:55

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.259	U	0.245	0.246	1.00	0.381	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.435	0.446	1.00	0.569	pCi/L	06/02/25 08:26	06/25/25 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					06/02/25 08:26	06/25/25 12:06	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-012

Date Collected: 05/22/25 10:55

Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-12

Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	77.4		30 - 110	06/02/25 08:26	06/25/25 12:06	1

Client Sample ID: 25051158-013

Date Collected: 05/22/25 11:38

Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-13

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.216	0.216	1.00	0.375	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	92.3		30 - 110	06/02/25 08:18	06/25/25 16:29	1				

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448	U	0.345	0.347	1.00	0.527	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	92.3		30 - 110	06/02/25 08:26	06/25/25 12:09	1				
Y Carrier	79.6		30 - 110	06/02/25 08:26	06/25/25 12:09	1				

Client Sample ID: 25051158-014

Date Collected: 05/22/25 13:07

Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-14

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.322	U	0.236	0.237	1.00	0.329	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	86.1		30 - 110	06/02/25 08:18	06/25/25 16:29	1				

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.792		0.446	0.452	1.00	0.647	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	86.1		30 - 110	06/02/25 08:26	06/25/25 12:09	1				
Y Carrier	79.6		30 - 110	06/02/25 08:26	06/25/25 12:09	1				

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-015

Lab Sample ID: 160-58259-15

Date Collected: 05/27/25 13:44

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.200	U	0.201	0.202	1.00	0.312	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.227	U	0.388	0.388	1.00	0.662	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					06/02/25 08:26	06/25/25 12:09	1
Y Carrier	77.8		30 - 110					06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-016

Lab Sample ID: 160-58259-16

Date Collected: 05/22/25 13:50

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.198	U	0.230	0.231	1.00	0.371	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.571	U	0.482	0.485	1.00	0.754	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					06/02/25 08:26	06/25/25 12:09	1
Y Carrier	77.8		30 - 110					06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-017

Lab Sample ID: 160-58259-17

Date Collected: 05/22/25 12:19

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.166	U	0.188	0.188	1.00	0.302	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-017

Lab Sample ID: 160-58259-17

Date Collected: 05/22/25 12:19

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.601		0.367	0.371	1.00	0.530	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					06/02/25 08:26	06/25/25 12:09	1
Y Carrier	78.1		30 - 110					06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-018

Lab Sample ID: 160-58259-18

Date Collected: 05/27/25 11:04

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.289		0.207	0.209	1.00	0.283	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.186	U	0.346	0.346	1.00	0.596	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/02/25 08:26	06/25/25 12:09	1
Y Carrier	76.6		30 - 110					06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-019

Lab Sample ID: 160-58259-19

Date Collected: 05/27/25 13:25

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.173	U	0.213	0.214	1.00	0.351	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.293	U	0.378	0.379	1.00	0.630	pCi/L	06/02/25 08:26	06/25/25 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					06/02/25 08:26	06/25/25 12:09	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-019

Lab Sample ID: 160-58259-19

Date Collected: 05/27/25 13:25

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	80.4		30 - 110	06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-020

Lab Sample ID: 160-58259-20

Date Collected: 05/27/25 12:38

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.114	U	0.356	0.356	1.00	0.650	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	82.1		30 - 110	06/02/25 08:18	06/25/25 16:29	1				

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.86		0.654	0.676	1.00	0.781	pCi/L	06/02/25 08:26	06/25/25 12:10	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	82.1		30 - 110	06/02/25 08:26	06/25/25 12:10	1				
Y Carrier	78.5		30 - 110	06/02/25 08:26	06/25/25 12:10	1				

Client Sample ID: 25051158-021

Lab Sample ID: 160-58259-21

Date Collected: 05/22/25 10:24

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0111	U	0.161	0.161	1.00	0.326	pCi/L	06/02/25 08:18	06/25/25 18:32	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	90.3		30 - 110	06/02/25 08:18	06/25/25 18:32	1				

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.508		0.335	0.338	1.00	0.489	pCi/L	06/02/25 08:26	06/25/25 12:10	1
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	90.3		30 - 110	06/02/25 08:26	06/25/25 12:10	1				
Y Carrier	80.0		30 - 110	06/02/25 08:26	06/25/25 12:10	1				

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-022

Lab Sample ID: 160-58259-22

Date Collected: 05/21/25 13:58

Matrix: Water

Date Received: 05/29/25 09:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.38		0.558	0.572	1.00	0.573	pCi/L	06/02/25 08:18	06/25/25 18:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					06/02/25 08:18	06/25/25 18:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.45	G	0.739	0.751	1.00	1.02	pCi/L	06/02/25 08:26	06/25/25 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					06/02/25 08:26	06/25/25 12:10	1
Y Carrier	80.4		30 - 110					06/02/25 08:26	06/25/25 12:10	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-720229/1-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720229

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06815	U	0.230	0.230	1.00	0.425	pCi/L	06/02/25 08:18	06/25/25 16:29	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					06/02/25 08:18	06/25/25 16:29	1

Lab Sample ID: LCS 160-720229/2-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720229

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.380		1.27	1.00	0.336	pCi/L	98	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	88.6		30 - 110							

Lab Sample ID: MB 160-720233/1-A
Matrix: Water
Analysis Batch: 724135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720233

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.002253	U	0.189	0.189	1.00	0.378	pCi/L	06/02/25 08:39	06/24/25 17:24	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					06/02/25 08:39	06/24/25 17:24	1

Lab Sample ID: LCS 160-720233/2-A
Matrix: Water
Analysis Batch: 724118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720233

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.745		1.20	1.00	0.338	pCi/L	91	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	87.8		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-720230/1-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720230

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2063	U	0.298	0.299	1.00	0.612	pCi/L	06/02/25 08:26	06/25/25 12:08	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method: 904.0 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110	06/02/25 08:26	06/25/25 12:08	1
Y Carrier	80.7		30 - 110	06/02/25 08:26	06/25/25 12:08	1

Lab Sample ID: LCS 160-720230/2-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720230

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.32	11.15		1.48	1.00	0.541	pCi/L	120	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.6		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: MB 160-720234/1-A
Matrix: Water
Analysis Batch: 724136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720234

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2252	U	0.337	0.338	1.00	0.572	pCi/L	06/02/25 08:45	06/24/25 12:26	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110	06/02/25 08:45	06/24/25 12:26	1
Y Carrier	79.6		30 - 110	06/02/25 08:45	06/24/25 12:26	1

Lab Sample ID: LCS 160-720234/2-A
Matrix: Water
Analysis Batch: 724136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720234

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.32	10.81		1.45	1.00	0.519	pCi/L	116	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.8		30 - 110
Y Carrier	81.9		30 - 110

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Rad

Prep Batch: 720229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-6	25051158-006	Total/NA	Water	PrecSep-21	
160-58259-7	25051158-007	Total/NA	Water	PrecSep-21	
160-58259-8	25051158-008	Total/NA	Water	PrecSep-21	
160-58259-9	25051158-009	Total/NA	Water	PrecSep-21	
160-58259-10	25051158-010	Total/NA	Water	PrecSep-21	
160-58259-11	25051158-011	Total/NA	Water	PrecSep-21	
160-58259-12	25051158-012	Total/NA	Water	PrecSep-21	
160-58259-13	25051158-013	Total/NA	Water	PrecSep-21	
160-58259-14	25051158-014	Total/NA	Water	PrecSep-21	
160-58259-15	25051158-015	Total/NA	Water	PrecSep-21	
160-58259-16	25051158-016	Total/NA	Water	PrecSep-21	
160-58259-17	25051158-017	Total/NA	Water	PrecSep-21	
160-58259-18	25051158-018	Total/NA	Water	PrecSep-21	
160-58259-19	25051158-019	Total/NA	Water	PrecSep-21	
160-58259-20	25051158-020	Total/NA	Water	PrecSep-21	
160-58259-21	25051158-021	Total/NA	Water	PrecSep-21	
160-58259-22	25051158-022	Total/NA	Water	PrecSep-21	
MB 160-720229/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-720229/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 720230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-6	25051158-006	Total/NA	Water	PrecSep_0	
160-58259-7	25051158-007	Total/NA	Water	PrecSep_0	
160-58259-8	25051158-008	Total/NA	Water	PrecSep_0	
160-58259-9	25051158-009	Total/NA	Water	PrecSep_0	
160-58259-10	25051158-010	Total/NA	Water	PrecSep_0	
160-58259-11	25051158-011	Total/NA	Water	PrecSep_0	
160-58259-12	25051158-012	Total/NA	Water	PrecSep_0	
160-58259-13	25051158-013	Total/NA	Water	PrecSep_0	
160-58259-14	25051158-014	Total/NA	Water	PrecSep_0	
160-58259-15	25051158-015	Total/NA	Water	PrecSep_0	
160-58259-16	25051158-016	Total/NA	Water	PrecSep_0	
160-58259-17	25051158-017	Total/NA	Water	PrecSep_0	
160-58259-18	25051158-018	Total/NA	Water	PrecSep_0	
160-58259-19	25051158-019	Total/NA	Water	PrecSep_0	
160-58259-20	25051158-020	Total/NA	Water	PrecSep_0	
160-58259-21	25051158-021	Total/NA	Water	PrecSep_0	
160-58259-22	25051158-022	Total/NA	Water	PrecSep_0	
MB 160-720230/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-720230/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 720233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-1	25051158-001	Total/NA	Water	PrecSep-21	
160-58259-2	25051158-002	Total/NA	Water	PrecSep-21	
160-58259-3	25051158-003	Total/NA	Water	PrecSep-21	
160-58259-4	25051158-004	Total/NA	Water	PrecSep-21	
160-58259-5	25051158-005	Total/NA	Water	PrecSep-21	
MB 160-720233/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-720233/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

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QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Rad

Prep Batch: 720234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-1	25051158-001	Total/NA	Water	PrecSep_0	
160-58259-2	25051158-002	Total/NA	Water	PrecSep_0	
160-58259-3	25051158-003	Total/NA	Water	PrecSep_0	
160-58259-4	25051158-004	Total/NA	Water	PrecSep_0	
160-58259-5	25051158-005	Total/NA	Water	PrecSep_0	
MB 160-720234/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-720234/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-58259-1	25051158-001	74.6					
160-58259-2	25051158-002	90.5					
160-58259-3	25051158-003	86.8					
160-58259-4	25051158-004	83.8					
160-58259-5	25051158-005	102					
160-58259-6	25051158-006	83.8					
160-58259-7	25051158-007	87.8					
160-58259-8	25051158-008	83.3					
160-58259-9	25051158-009	91.3					
160-58259-10	25051158-010	85.1					
160-58259-11	25051158-011	92.3					
160-58259-12	25051158-012	91.0					
160-58259-13	25051158-013	92.3					
160-58259-14	25051158-014	86.1					
160-58259-15	25051158-015	88.3					
160-58259-16	25051158-016	92.5					
160-58259-17	25051158-017	91.3					
160-58259-18	25051158-018	94.3					
160-58259-19	25051158-019	83.8					
160-58259-20	25051158-020	82.1					
160-58259-21	25051158-021	90.3					
160-58259-22	25051158-022	92.5					
LCS 160-720229/2-A	Lab Control Sample	88.6					
LCS 160-720233/2-A	Lab Control Sample	87.8					
MB 160-720229/1-A	Method Blank	87.3					
MB 160-720233/1-A	Method Blank	86.6					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba	Y				
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-58259-1	25051158-001	74.6	77.0				
160-58259-2	25051158-002	90.5	83.0				
160-58259-3	25051158-003	86.8	78.9				
160-58259-4	25051158-004	83.8	81.1				
160-58259-5	25051158-005	102	81.1				
160-58259-6	25051158-006	83.8	78.5				
160-58259-7	25051158-007	87.8	80.7				
160-58259-8	25051158-008	83.3	78.5				
160-58259-9	25051158-009	91.3	77.0				
160-58259-10	25051158-010	85.1	81.1				
160-58259-11	25051158-011	92.3	81.1				
160-58259-12	25051158-012	91.0	77.4				
160-58259-13	25051158-013	92.3	79.6				
160-58259-14	25051158-014	86.1	79.6				

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-58259-15	25051158-015	88.3	77.8
160-58259-16	25051158-016	92.5	77.8
160-58259-17	25051158-017	91.3	78.1
160-58259-18	25051158-018	94.3	76.6
160-58259-19	25051158-019	83.8	80.4
160-58259-20	25051158-020	82.1	78.5
160-58259-21	25051158-021	90.3	80.0
160-58259-22	25051158-022	92.5	80.4
LCS 160-720230/2-A	Lab Control Sample	88.6	82.6
LCS 160-720234/2-A	Lab Control Sample	87.8	81.9
MB 160-720230/1-A	Method Blank	87.3	80.7
MB 160-720234/1-A	Method Blank	86.6	79.6

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier