

July 15, 2024

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-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells

WorkOrder: 24050003

Dear Eric Staley:

TEKLAB, INC received 20 samples on 5/14/2024 2:39:00 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



Report Contents

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

Client: City Water, Light & Power

Work Order: 24050003

Client Project: Ash Pond Monitoring Wells

Report Date: 15-Jul-24

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Client: City Water, Light & Power**Work Order:** 24050003**Client Project:** Ash Pond Monitoring Wells**Report Date:** 15-Jul-24**Abbr Definition**

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Client: City Water, Light & Power

Work Order: 24050003

Client Project: Ash Pond Monitoring Wells

Report Date: 15-Jul-24

Qualifiers

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



Case Narrative

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

Client: City Water, Light & Power

Work Order: 24050003

Client Project: Ash Pond Monitoring Wells

Report Date: 15-Jul-24

Cooler Receipt Temp: 12.1 °C

This report was revised on July 15, 2024 per Eric Staley's request to report the reanalysis of Cobalt for AP-11. Please replace report dated June 18, 2024 with this report. SAH 7/15/24

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

Radium-226 & -228 analysis was performed by Summit Environmental Technologies, Inc. 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:** 24050003**Client Project:** Ash Pond Monitoring Wells**Report Date:** 15-Jul-24

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



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-001
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: RW-3
Collection Date: 05/09/2024 12:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.49	ft	1	05/09/2024 12:12	R347528
Depth to water	*	-5.00		5.17	ft	1	05/09/2024 12:12	R347528
Depth to water from measuring point	*	0		7.87	ft	1	05/09/2024 12:12	R347528
Elevation of groundwater surface	*	0		531.63	ft	1	05/09/2024 12:12	R347528
Measuring Point Elevation	*	0		539.50	ft	1	05/09/2024 12:12	R347528
Measuring Point Height Above Land Surface	*	0		2.70	ft	1	05/09/2024 12:12	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		23	NTU	1	05/09/2024 12:12	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.1	°F	1	05/09/2024 12:12	R347528
SW-846 9040B								
pH, Field	*	1.00		6.70		1	05/09/2024 12:12	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		644	µmhos/cm @25C	1	05/09/2024 12:12	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		345	mg/L	2.5	05/15/2024 12:24	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		< 10	mg/L	1	05/21/2024 0:32	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.40	mg/L	1	05/20/2024 13:43	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		28	mg/L	1	05/21/2024 0:32	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.143	mg/L	1	05/15/2024 13:36	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:36	222813
Boron	NELAP	0.0200		0.154	mg/L	1	05/15/2024 13:36	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:36	222813
Calcium	NELAP	0.100		65.6	mg/L	1	05/15/2024 13:36	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:36	222813
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:36	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:36	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 11:21	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:36	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:35	222813
Arsenic	NELAP	0.0010		0.188	mg/L	5	05/14/2024 16:35	222813
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:35	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 17:05	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 9:40	223373
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-002
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: AP-1
Collection Date: 05/13/2024 11:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		504.29	ft	1	05/13/2024 11:01	R347528
Depth to water	*	-5.00		6.61	ft	1	05/13/2024 11:01	R347528
Depth to water from measuring point	*	0		8.88	ft	1	05/13/2024 11:01	R347528
Elevation of groundwater surface	*	0		526.49	ft	1	05/13/2024 11:01	R347528
Measuring Point Elevation	*	0		535.37	ft	1	05/13/2024 11:01	R347528
Measuring Point Height Above Land Surface	*	0		2.27	ft	1	05/13/2024 11:01	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.7	NTU	1	05/13/2024 11:01	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.5	°F	1	05/13/2024 11:01	R347528
SW-846 9040B								
pH, Field	*	1.00		6.31		1	05/13/2024 11:01	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1760	µmhos/cm @25C	1	05/13/2024 11:01	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1490	mg/L	2.5	05/17/2024 9:50	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		805	mg/L	20	05/21/2024 14:15	R347701
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.19	mg/L	1	05/20/2024 13:45	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		29	mg/L	2	05/21/2024 0:35	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.300	mg/L	1	05/23/2024 13:18	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:18	223235
Boron	NELAP	0.0400		22.7	mg/L	2	05/29/2024 13:26	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:18	223235
Calcium	NELAP	0.100		248	mg/L	1	05/23/2024 13:18	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:18	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:18	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:18	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 10:42	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:18	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:33	223235
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:33	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:33	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 22:33	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 16:19	223231
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-003
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: AP-2
Collection Date: 05/13/2024 11:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.77	ft	1	05/13/2024 11:53	R347528
Depth to water	*	-5.00		4.55	ft	1	05/13/2024 11:53	R347528
Depth to water from measuring point	*	0		7.05	ft	1	05/13/2024 11:53	R347528
Elevation of groundwater surface	*	0		529.05	ft	1	05/13/2024 11:53	R347528
Measuring Point Elevation	*	0		536.10	ft	1	05/13/2024 11:53	R347528
Measuring Point Height Above Land Surface	*	0		2.50	ft	1	05/13/2024 11:53	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		4.9	NTU	1	05/13/2024 11:53	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.2	°F	1	05/13/2024 11:53	R347528
SW-846 9040B								
pH, Field	*	1.00		6.21		1	05/13/2024 11:53	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1290	µmhos/cm @25C	1	05/13/2024 11:53	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1040	mg/L	2.5	05/17/2024 10:40	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		411	mg/L	20	05/21/2024 0:48	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.23	mg/L	1	05/20/2024 13:46	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		36	mg/L	2	05/21/2024 0:43	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0607	mg/L	1	05/22/2024 13:30	223266
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/22/2024 13:30	223266
Boron	NELAP	0.0200		3.43	mg/L	1	05/29/2024 12:39	223266
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/22/2024 13:30	223266
Calcium	NELAP	0.100		194	mg/L	1	05/22/2024 13:30	223266
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/22/2024 13:30	223266
Cobalt	NELAP	0.0050		0.0102	mg/L	1	05/22/2024 13:30	223266
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/22/2024 13:30	223266
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 10:36	223266
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/22/2024 13:30	223266
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0021	mg/L	5	05/22/2024 19:34	223266
Arsenic	NELAP	0.0010		0.0020	mg/L	5	05/22/2024 19:34	223266
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/22/2024 19:34	223266
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/22/2024 19:34	223266
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 16:22	223231
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-004
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-3
 Collection Date: 05/13/2024 12:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.75	ft	1	05/13/2024 12:43	R347528
Depth to water	*	-5.00		6.46	ft	1	05/13/2024 12:43	R347528
Depth to water from measuring point	*	0		9.11	ft	1	05/13/2024 12:43	R347528
Elevation of groundwater surface	*	0		526.44	ft	1	05/13/2024 12:43	R347528
Measuring Point Elevation	*	0		535.55	ft	1	05/13/2024 12:43	R347528
Measuring Point Height Above Land Surface	*	0		2.65	ft	1	05/13/2024 12:43	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		2.7	NTU	1	05/13/2024 12:43	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.9	°F	1	05/13/2024 12:43	R347528
SW-846 9040B								
pH, Field	*	1.00		6.36		1	05/13/2024 12:43	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1220	µmhos/cm @25C	1	05/13/2024 12:43	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1040	mg/L	2.5	05/17/2024 10:40	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		493	mg/L	20	05/21/2024 0:56	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.19	mg/L	1	05/20/2024 13:48	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		53	mg/L	2	05/21/2024 0:51	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0767	mg/L	1	05/23/2024 13:19	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:19	223235
Boron	NELAP	0.0200		14.5	mg/L	1	05/29/2024 13:26	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:19	223235
Calcium	NELAP	0.100		176	mg/L	1	05/23/2024 13:19	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:19	223235
Cobalt	NELAP	0.0050		0.0065	mg/L	1	05/23/2024 13:19	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:19	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 10:43	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:19	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:39	223235
Arsenic	NELAP	0.0010		0.0021	mg/L	5	05/23/2024 22:39	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:39	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 22:39	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 16:24	223231
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779



Laboratory Results

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Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-005
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: AP-4
Collection Date: 05/13/2024 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		492.46	ft	1	05/13/2024 13:25	R347528
Depth to water	*	-5.00		5.54	ft	1	05/13/2024 13:25	R347528
Depth to water from measuring point	*	0		8.68	ft	1	05/13/2024 13:25	R347528
Elevation of groundwater surface	*	0		546.92	ft	1	05/13/2024 13:25	R347528
Measuring Point Elevation	*	0		555.60	ft	1	05/13/2024 13:25	R347528
Measuring Point Height Above Land Surface	*	0		3.14	ft	1	05/13/2024 13:25	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		24	NTU	1	05/13/2024 13:25	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		63.0	°F	1	05/13/2024 13:25	R347528
SW-846 9040B								
pH, Field	*	1.00		6.83		1	05/13/2024 13:25	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		588	µmhos/cm @25C	1	05/13/2024 13:25	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		500	mg/L	2.5	05/17/2024 10:40	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10	S	< 10	mg/L	1	05/21/2024 1:02	R347580
<i>Matrix spike did not recover within control limits due to matrix interference.</i>								
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.13	mg/L	1	05/20/2024 13:50	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		13	mg/L	1	05/21/2024 1:02	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.407	mg/L	1	05/23/2024 13:19	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:19	223235
Boron	NELAP	0.0200		0.0834	mg/L	1	05/29/2024 13:27	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:19	223235
Calcium	NELAP	0.100		123	mg/L	1	05/23/2024 13:19	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:19	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:19	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:19	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 10:45	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:19	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:45	223235
Arsenic	NELAP	0.0010		0.0229	mg/L	5	05/23/2024 22:45	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:45	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 22:45	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 16:26	223231
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-006
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-5
 Collection Date: 05/14/2024 9:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		552.63	ft	1	05/14/2024 9:54	R347528
Depth to water	*	-5.00		11.30	ft	1	05/14/2024 9:54	R347528
Depth to water from measuring point	*	0		13.60	ft	1	05/14/2024 9:54	R347528
Elevation of groundwater surface	*	0		570.30	ft	1	05/14/2024 9:54	R347528
Measuring Point Elevation	*	0		583.90	ft	1	05/14/2024 9:54	R347528
Measuring Point Height Above Land Surface	*	0		2.30	ft	1	05/14/2024 9:54	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.2	NTU	1	05/14/2024 9:54	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.5	°F	1	05/14/2024 9:54	R347528
SW-846 9040B								
pH, Field	*	1.00		6.99		1	05/14/2024 9:54	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		468	µmhos/cm @25C	1	05/14/2024 9:54	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		405	mg/L	2.5	05/17/2024 10:41	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		43	mg/L	1	05/21/2024 1:39	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.29	mg/L	1	05/20/2024 13:52	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		8	mg/L	1	05/21/2024 1:39	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0510	mg/L	1	05/23/2024 13:35	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:35	223235
Boron	NELAP	0.0200		0.0269	mg/L	1	05/29/2024 13:28	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:35	223235
Calcium	NELAP	0.100		94.1	mg/L	1	05/23/2024 13:35	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:35	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:35	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:35	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 10:47	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:35	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:51	223235
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:51	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:51	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 22:51	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:07	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-007
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-6
 Collection Date: 05/10/2024 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		498.20	ft	1	05/10/2024 10:13	R347528
Depth to water	*	-5.00		4.15	ft	1	05/10/2024 10:13	R347528
Depth to water from measuring point	*	0		6.57	ft	1	05/10/2024 10:13	R347528
Elevation of groundwater surface	*	0		531.25	ft	1	05/10/2024 10:13	R347528
Measuring Point Elevation	*	0		537.82	ft	1	05/10/2024 10:13	R347528
Measuring Point Height Above Land Surface	*	0		2.42	ft	1	05/10/2024 10:13	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		19	NTU	1	05/10/2024 10:13	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.3	°F	1	05/10/2024 10:13	R347528
SW-846 9040B								
pH, Field	*	1.00		7.27		1	05/10/2024 10:13	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		662	µmhos/cm @25C	1	05/10/2024 10:13	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		390	mg/L	2.5	05/15/2024 12:24	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		< 10	mg/L	1	05/21/2024 1:46	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.48	mg/L	1	05/20/2024 13:54	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		33	mg/L	1	05/21/2024 1:47	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.147	mg/L	1	05/15/2024 13:36	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:36	222813
Boron	NELAP	0.0200		0.238	mg/L	1	05/15/2024 13:36	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:36	222813
Calcium	NELAP	0.100		65.8	mg/L	1	05/15/2024 13:36	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:36	222813
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:36	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:36	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 11:22	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:36	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:40	222813
Arsenic	NELAP	0.0010		0.0121	mg/L	5	05/14/2024 16:40	222813
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:40	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 17:10	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:38	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-008
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-7
 Collection Date: 05/14/2024 11:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		496.50	ft	1	05/14/2024 11:21	R347528
Depth to water	*	-5.00		7.21	ft	1	05/14/2024 11:21	R347528
Depth to water from measuring point	*	0		9.87	ft	1	05/14/2024 11:21	R347528
Elevation of groundwater surface	*	0		529.15	ft	1	05/14/2024 11:21	R347528
Measuring Point Elevation	*	0		539.02	ft	1	05/14/2024 11:21	R347528
Measuring Point Height Above Land Surface	*	0		2.66	ft	1	05/14/2024 11:21	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		18	NTU	1	05/14/2024 11:21	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.5	°F	1	05/14/2024 11:21	R347528
SW-846 9040B								
pH, Field	*	1.00		7.15		1	05/14/2024 11:21	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		441	µmhos/cm @25C	1	05/14/2024 11:21	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		340	mg/L	2.5	05/17/2024 10:41	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		11	mg/L	1	05/21/2024 1:49	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.38	mg/L	1	05/20/2024 14:04	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		43	mg/L	1	05/21/2024 1:50	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0915	mg/L	1	05/23/2024 13:36	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:36	223235
Boron	NELAP	0.0200		0.0978	mg/L	1	05/24/2024 14:23	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:36	223235
Calcium	NELAP	0.100		52.3	mg/L	1	05/23/2024 13:36	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:36	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:36	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:36	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 10:48	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:36	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:58	223235
Arsenic	NELAP	0.0010		0.0395	mg/L	5	05/23/2024 22:58	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 22:58	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 22:58	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:09	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-009
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-8
 Collection Date: 05/10/2024 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		497.60	ft	1	05/10/2024 10:35	R347528
Depth to water	*	-5.00		0.84	ft	1	05/10/2024 10:35	R347528
Depth to water from measuring point	*	0		3.74	ft	1	05/10/2024 10:35	R347528
Elevation of groundwater surface	*	0		533.46	ft	1	05/10/2024 10:35	R347528
Measuring Point Elevation	*	0		537.20	ft	1	05/10/2024 10:35	R347528
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	05/10/2024 10:35	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		34	NTU	1	05/10/2024 10:35	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.3	°F	1	05/10/2024 10:35	R347528
SW-846 9040B								
pH, Field	*	1.00		7.03		1	05/10/2024 10:35	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		917	µmhos/cm @25C	1	05/10/2024 10:35	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		590	mg/L	2.5	05/15/2024 15:57	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10	SR	< 10	mg/L	1	05/21/2024 1:59	R347580
<i>Matrix spike and RPD did not recover within control limits due to matrix interference.</i>								
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.28	mg/L	1	05/20/2024 14:14	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		26	mg/L	2	05/21/2024 2:27	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.373	mg/L	1	05/15/2024 13:37	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:37	222813
Boron	NELAP	0.0200		0.0877	mg/L	1	05/15/2024 13:37	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:37	222813
Calcium	NELAP	0.100		99.4	mg/L	1	05/15/2024 13:37	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:37	222813
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:37	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:37	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 11:24	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:37	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:46	222813
Arsenic	NELAP	0.0010		0.0461	mg/L	5	05/14/2024 16:46	222813
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:46	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 17:15	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:41	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-010
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: AP-9
Collection Date: 05/14/2024 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		501.80	ft	1	05/14/2024 11:45	R347528
Depth to water	*	-5.00		8.77	ft	1	05/14/2024 11:45	R347528
Depth to water from measuring point	*	0		11.87	ft	1	05/14/2024 11:45	R347528
Elevation of groundwater surface	*	0		528.43	ft	1	05/14/2024 11:45	R347528
Measuring Point Elevation	*	0		540.30	ft	1	05/14/2024 11:45	R347528
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	05/14/2024 11:45	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		40	NTU	1	05/14/2024 11:45	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.2	°F	1	05/14/2024 11:45	R347528
SW-846 9040B								
pH, Field	*	1.00		6.75		1	05/14/2024 11:45	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		659	µmhos/cm @25C	1	05/14/2024 11:45	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		535	mg/L	2.5	05/17/2024 10:41	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		22	mg/L	1	05/21/2024 2:37	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.21	mg/L	1	05/20/2024 14:16	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		39	mg/L	1	05/21/2024 2:38	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.360	mg/L	1	05/23/2024 13:37	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:37	223235
Boron	NELAP	0.0200		0.0988	mg/L	1	05/29/2024 14:02	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:37	223235
Calcium	NELAP	0.100		101	mg/L	1	05/23/2024 13:37	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:37	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:37	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:37	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 11:04	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:37	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:59	223235
Arsenic	NELAP	0.0010		0.0024	mg/L	5	05/23/2024 23:59	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:59	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 23:59	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:11	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-011
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-10
 Collection Date: 05/13/2024 14:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		499.43	ft	1	05/13/2024 14:08	R347528
Depth to water	*	-5.00		-0.56	ft	1	05/13/2024 14:08	R347528
Depth to water from measuring point	*	0		2.54	ft	1	05/13/2024 14:08	R347528
Elevation of groundwater surface	*	0		534.96	ft	1	05/13/2024 14:08	R347528
Measuring Point Elevation	*	0		537.50	ft	1	05/13/2024 14:08	R347528
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	05/13/2024 14:08	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		6.0	NTU	1	05/13/2024 14:08	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.4	°F	1	05/13/2024 14:08	R347528
SW-846 9040B								
pH, Field	*	1.00		6.54		1	05/13/2024 14:08	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1140	µmhos/cm @25C	1	05/13/2024 14:08	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		720	mg/L	2.5	05/17/2024 11:06	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	20		100	mg/L	2	05/23/2024 13:42	R347806
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.28	mg/L	1	05/20/2024 14:18	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		27	mg/L	1	05/21/2024 2:40	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.605	mg/L	1	05/23/2024 13:39	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:39	223235
Boron	NELAP	0.0200		3.92	mg/L	1	05/29/2024 13:46	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:39	223235
Calcium	NELAP	0.100		141	mg/L	1	05/23/2024 13:39	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:39	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:39	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:39	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 11:09	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:39	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0014	mg/L	5	05/28/2024 8:24	223235
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:29	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:29	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 23:29	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:14	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-012
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-11
 Collection Date: 05/09/2024 14:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.15	ft	1	05/09/2024 14:28	R347528
Depth to water	*	-5.00		6.95	ft	1	05/09/2024 14:28	R347528
Depth to water from measuring point	*	0		9.75	ft	1	05/09/2024 14:28	R347528
Elevation of groundwater surface	*	0		528.35	ft	1	05/09/2024 14:28	R347528
Measuring Point Elevation	*	0		538.14	ft	1	05/09/2024 14:28	R347528
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	05/09/2024 14:28	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		60	NTU	1	05/09/2024 14:28	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		63.8	°F	1	05/09/2024 14:28	R347528
SW-846 9040B								
pH, Field	*	1.00		6.75		1	05/09/2024 14:28	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1350	µmhos/cm @25C	1	05/09/2024 14:28	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1780	mg/L	1	05/15/2024 15:57	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		134	mg/L	5	05/21/2024 2:48	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.22	mg/L	1	05/20/2024 14:20	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	200		429	mg/L	50	05/22/2024 5:53	R347713
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.238	mg/L	1	05/15/2024 13:38	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:38	222813
Boron	NELAP	0.0200		0.0555	mg/L	1	05/15/2024 13:38	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:38	222813
Calcium	NELAP	0.100		217	mg/L	1	05/15/2024 13:38	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:38	222813
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/20/2024 11:25	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:38	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 11:25	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:38	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:51	222813
Arsenic	NELAP	0.0010		0.0037	mg/L	5	05/14/2024 16:51	222813
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 16:51	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 17:19	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:43	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-013
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-12
 Collection Date: 05/09/2024 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		510.30	ft	1	05/09/2024 13:14	R347528
Depth to water	*	-5.00		9.34	ft	1	05/09/2024 13:14	R347528
Depth to water from measuring point	*	0		12.24	ft	1	05/09/2024 13:14	R347528
Elevation of groundwater surface	*	0		528.46	ft	1	05/09/2024 13:14	R347528
Measuring Point Elevation	*	0		540.70	ft	1	05/09/2024 13:14	R347528
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	05/09/2024 13:14	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		89	NTU	1	05/09/2024 13:14	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.5	°F	1	05/09/2024 13:14	R347528
SW-846 9040B								
pH, Field	*	1.00		6.52		1	05/09/2024 13:14	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1680	µmhos/cm @25C	1	05/09/2024 13:14	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1620	mg/L	2.5	05/15/2024 17:12	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		499	mg/L	20	05/21/2024 3:09	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.16	mg/L	1	05/20/2024 14:21	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	40		121	mg/L	10	05/21/2024 2:51	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0707	mg/L	1	05/15/2024 13:39	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:39	222813
Boron	NELAP	0.0200		< 0.0200	mg/L	1	05/15/2024 13:39	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:39	222813
Calcium	NELAP	0.100		240	mg/L	1	05/15/2024 13:39	222813
Chromium	NELAP	0.0050		0.0053	mg/L	1	05/15/2024 13:39	222813
Cobalt	NELAP	0.0050		0.0054	mg/L	1	05/15/2024 13:39	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:39	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 11:27	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:39	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0018	mg/L	5	05/14/2024 18:26	222813
Arsenic	NELAP	0.0010		0.0038	mg/L	5	05/14/2024 18:26	222813
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 18:26	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 18:00	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:45	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-014
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-13
 Collection Date: 05/09/2024 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		511.00	ft	1	05/09/2024 13:50	R347528
Depth to water	*	-5.00		7.42	ft	1	05/09/2024 13:50	R347528
Depth to water from measuring point	*	0		10.82	ft	1	05/09/2024 13:50	R347528
Elevation of groundwater surface	*	0		531.18	ft	1	05/09/2024 13:50	R347528
Measuring Point Elevation	*	0		542.00	ft	1	05/09/2024 13:50	R347528
Measuring Point Height Above Land Surface	*	0		3.40	ft	1	05/09/2024 13:50	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.6	NTU	1	05/09/2024 13:50	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		61.4	°F	1	05/09/2024 13:50	R347528
SW-846 9040B								
pH, Field	*	1.00		6.70		1	05/09/2024 13:50	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		804	µmhos/cm @25C	1	05/09/2024 13:50	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		910	mg/L	2.5	05/15/2024 17:13	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		140	mg/L	5	05/21/2024 3:17	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.20	mg/L	1	05/20/2024 14:24	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		26	mg/L	1	05/21/2024 3:12	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.131	mg/L	1	05/15/2024 13:39	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:39	222813
Boron	NELAP	0.0200		0.0343	mg/L	1	05/15/2024 13:39	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:39	222813
Calcium	NELAP	0.100		109	mg/L	1	05/15/2024 13:39	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:39	222813
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:39	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:39	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 12:02	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:39	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 18:31	222813
Arsenic	NELAP	0.0010		0.0032	mg/L	5	05/14/2024 18:31	222813
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 18:31	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 18:05	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:47	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-015
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: AP-14
 Collection Date: 05/14/2024 10:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		508.40	ft	1	05/14/2024 10:38	R347528
Depth to water	*	-5.00		-1.25	ft	1	05/14/2024 10:38	R347528
Depth to water from measuring point	*	0		1.55	ft	1	05/14/2024 10:38	R347528
Elevation of groundwater surface	*	0		538.05	ft	1	05/14/2024 10:38	R347528
Measuring Point Elevation	*	0		539.60	ft	1	05/14/2024 10:38	R347528
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	05/14/2024 10:38	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		2.9	NTU	1	05/14/2024 10:38	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.4	°F	1	05/14/2024 10:38	R347528
SW-846 9040B								
pH, Field	*	1.00		6.95		1	05/14/2024 10:38	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1120	µmhos/cm @25C	1	05/14/2024 10:38	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1480	mg/L	2.5	05/17/2024 11:06	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		740	mg/L	20	05/21/2024 3:25	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.24	mg/L	1	05/20/2024 14:25	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	20		83	mg/L	5	05/21/2024 3:20	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0329	mg/L	1	05/23/2024 13:40	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:40	223235
Boron	NELAP	0.0400		22.3	mg/L	2	05/29/2024 13:46	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:40	223235
Calcium	NELAP	0.100		245	mg/L	1	05/23/2024 13:40	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:40	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:40	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:40	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 11:10	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:40	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:35	223235
Arsenic	NELAP	0.0010		0.0019	mg/L	5	05/23/2024 23:35	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:35	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 23:35	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:16	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-016
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: T-1
 Collection Date: 05/09/2024 11:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		512.70	ft	1	05/09/2024 11:10	R347528
Depth to water	*	-5.00		9.45	ft	1	05/09/2024 11:10	R347528
Depth to water from measuring point	*	0		9.78	ft	1	05/09/2024 11:10	R347528
Elevation of groundwater surface	*	0		525.87	ft	1	05/09/2024 11:10	R347528
Measuring Point Elevation	*	0		535.65	ft	1	05/09/2024 11:10	R347528
Measuring Point Height Above Land Surface	*	0		0.33	ft	1	05/09/2024 11:10	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		2.3	NTU	1	05/09/2024 11:10	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.4	°F	1	05/09/2024 11:10	R347528
SW-846 9040B								
pH, Field	*	1.00		6.57		1	05/09/2024 11:10	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		780	µmhos/cm @25C	1	05/09/2024 11:10	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		700	mg/L	2.5	05/15/2024 17:13	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		36	mg/L	1	05/21/2024 3:28	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.20	mg/L	1	05/20/2024 14:27	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		49	mg/L	1	05/21/2024 3:28	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0862	mg/L	1	05/15/2024 13:49	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:49	222813
Boron	NELAP	0.0200		0.227	mg/L	1	05/15/2024 13:49	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:49	222813
Calcium	NELAP	0.100	S	105	mg/L	1	05/15/2024 13:49	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:49	222813
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:49	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:49	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 12:03	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:49	222813
<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	05/14/2024 20:01	222813
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 20:01	222813
Selenium	NELAP	0.0010		0.0042	mg/L	5	05/14/2024 20:01	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 17:24	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:50	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/03/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-017
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: T-2
 Collection Date: 05/09/2024 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.18	ft	1	05/09/2024 11:45	R347528
Depth to water	*	-5.00		16.85	ft	1	05/09/2024 11:45	R347528
Depth to water from measuring point	*	0		19.25	ft	1	05/09/2024 11:45	R347528
Elevation of groundwater surface	*	0		530.37	ft	1	05/09/2024 11:45	R347528
Measuring Point Elevation	*	0		549.62	ft	1	05/09/2024 11:45	R347528
Measuring Point Height Above Land Surface	*	0		2.40	ft	1	05/09/2024 11:45	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		3.9	NTU	1	05/09/2024 11:45	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.8	°F	1	05/09/2024 11:45	R347528
SW-846 9040B								
pH, Field	*	1.00		6.51		1	05/09/2024 11:45	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1980	µmhos/cm @25C	1	05/09/2024 11:45	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1060	mg/L	2.5	05/15/2024 17:13	R347402
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		135	mg/L	10	05/21/2024 3:41	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.24	mg/L	1	05/20/2024 14:37	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	40		173	mg/L	10	05/21/2024 3:41	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0771	mg/L	1	05/15/2024 13:52	222813
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/15/2024 13:52	222813
Boron	NELAP	0.0200		0.189	mg/L	1	05/15/2024 13:52	222813
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/15/2024 13:52	222813
Calcium	NELAP	0.100		150	mg/L	1	05/15/2024 13:52	222813
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/15/2024 13:52	222813
Cobalt	NELAP	0.0050		0.0075	mg/L	1	05/16/2024 11:42	222813
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/15/2024 13:52	222813
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/20/2024 12:08	222813
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/15/2024 13:52	222813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/14/2024 19:25	222813
Arsenic	NELAP	0.0010		0.0023	mg/L	5	05/14/2024 19:25	222813
Selenium	NELAP	0.0010		0.0011	mg/L	5	05/14/2024 19:25	222813
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/15/2024 18:10	222813
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/24/2024 19:52	223389
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/04/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/04/2024 0:00	R348779



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-018
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: T-4
Collection Date: 05/14/2024 12:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		521.52	ft	1	05/14/2024 12:36	R347528
Depth to water	*	-5.00		10.34	ft	1	05/14/2024 12:36	R347528
Depth to water from measuring point	*	0		12.72	ft	1	05/14/2024 12:36	R347528
Elevation of groundwater surface	*	0		536.22	ft	1	05/14/2024 12:36	R347528
Measuring Point Elevation	*	0		548.94	ft	1	05/14/2024 12:36	R347528
Measuring Point Height Above Land Surface	*	0		2.38	ft	1	05/14/2024 12:36	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.1	NTU	1	05/14/2024 12:36	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.0	°F	1	05/14/2024 12:36	R347528
SW-846 9040B								
pH, Field	*	1.00		6.31		1	05/14/2024 12:36	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		464	µmhos/cm @25C	1	05/14/2024 12:36	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		255	mg/L	2.5	05/17/2024 11:07	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		87	mg/L	5	05/21/2024 14:26	R347701
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.26	mg/L	1	05/20/2024 14:39	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		< 4	mg/L	1	05/21/2024 3:44	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0382	mg/L	1	05/23/2024 13:40	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:40	223235
Boron	NELAP	0.0200		0.0304	mg/L	1	05/29/2024 14:04	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:40	223235
Calcium	NELAP	0.100		62.7	mg/L	1	05/23/2024 13:40	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:40	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:40	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:40	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 11:12	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:40	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0013	mg/L	5	05/23/2024 23:41	223235
Arsenic	NELAP	0.0010		0.0013	mg/L	5	05/23/2024 23:41	223235
Selenium	NELAP	0.0010		0.0012	mg/L	5	05/23/2024 23:41	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 23:41	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:18	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/04/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/04/2024 0:00	R348779



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24050003-019
Matrix: GROUNDWATER

Work Order: 24050003
Report Date: 15-Jul-24
Client Sample ID: T-5
Collection Date: 05/14/2024 11:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		518.32	ft	1	05/14/2024 11:03	R347528
Depth to water	*	-5.00		2.79	ft	1	05/14/2024 11:03	R347528
Depth to water from measuring point	*	0		5.30	ft	1	05/14/2024 11:03	R347528
Elevation of groundwater surface	*	0		535.36	ft	1	05/14/2024 11:03	R347528
Measuring Point Elevation	*	0		540.66	ft	1	05/14/2024 11:03	R347528
Measuring Point Height Above Land Surface	*	0		2.51	ft	1	05/14/2024 11:03	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.4	NTU	1	05/14/2024 11:03	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		54.1	°F	1	05/14/2024 11:03	R347528
SW-846 9040B								
pH, Field	*	1.00		6.62		1	05/14/2024 11:03	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		490	µmhos/cm @25C	1	05/14/2024 11:03	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		280	mg/L	2.5	05/17/2024 11:07	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		27	mg/L	1	05/21/2024 4:05	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.18	mg/L	1	05/20/2024 14:40	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		< 4	mg/L	1	05/21/2024 4:05	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0478	mg/L	1	05/23/2024 13:41	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:41	223235
Boron	NELAP	0.0200		0.0639	mg/L	1	05/29/2024 14:04	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:41	223235
Calcium	NELAP	0.100		65.4	mg/L	1	05/23/2024 13:41	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:41	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:41	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:41	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 11:14	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:41	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:47	223235
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:47	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:47	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 23:47	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:25	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/07/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/07/2024 0:00	R348779

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24050003-020
 Matrix: GROUNDWATER

Work Order: 24050003
 Report Date: 15-Jul-24
 Client Sample ID: T-6
 Collection Date: 05/14/2024 11:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		494.70	ft	1	05/14/2024 11:55	R347528
Depth to water	*	-5.00		6.09	ft	1	05/14/2024 11:55	R347528
Depth to water from measuring point	*	0		8.45	ft	1	05/14/2024 11:55	R347528
Elevation of groundwater surface	*	0		529.87	ft	1	05/14/2024 11:55	R347528
Measuring Point Elevation	*	0		538.32	ft	1	05/14/2024 11:55	R347528
Measuring Point Height Above Land Surface	*	0		2.36	ft	1	05/14/2024 11:55	R347528
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		33	NTU	1	05/14/2024 11:55	R347528
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.3	°F	1	05/14/2024 11:55	R347528
SW-846 9040B								
pH, Field	*	1.00		6.56		1	05/14/2024 11:55	R347528
SW-846 9050A								
Spec. Conductance, Field	*	1.00		852	µmhos/cm @25C	1	05/14/2024 11:55	R347528
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		475	mg/L	2.5	05/17/2024 11:07	R347497
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		< 10	mg/L	1	05/21/2024 4:13	R347580
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.28	mg/L	1	05/20/2024 14:42	R347555
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		21	mg/L	1	05/21/2024 4:13	R347642
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.314	mg/L	1	05/23/2024 13:51	223235
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	05/23/2024 13:51	223235
Boron	NELAP	0.0200		0.201	mg/L	1	05/29/2024 14:05	223235
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/23/2024 13:51	223235
Calcium	NELAP	0.100		91.3	mg/L	1	05/23/2024 13:51	223235
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:51	223235
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	05/23/2024 13:51	223235
Lead	NELAP	0.0150		< 0.0150	mg/L	1	05/23/2024 13:51	223235
Lithium	NELAP	0.0500		< 0.0500	mg/L	1	05/30/2024 11:15	223235
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	05/23/2024 13:51	223235
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:53	223235
Arsenic	NELAP	0.0010		0.0076	mg/L	5	05/23/2024 23:53	223235
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	05/23/2024 23:53	223235
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	05/23/2024 23:53	223235
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/22/2024 19:27	223259
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	06/07/2024 0:00	R348779
Radium-228	*	0		See Attached	pci/L	1	06/07/2024 0:00	R348779



Receiving Check List

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

Client: City Water, Light & Power

Work Order: 24050003

Client Project: Ash Pond Monitoring Wells

Report Date: 15-Jul-24

Carrier: Daniel Crump

Received By: NR

Completed by:

On:

10-May-24

Paul Schultz

Reviewed by:

On:

14-May-24

Ellie Hopkins

Pages to follow:

Chain of custody

6

Extra pages included

74

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 12.1

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 #96651. - pschultz - 5/10/2024 9:15:35 AM

Additional Nitric Acid (97737) was needed for sample T-2 upon arrival at the laboratory. - pschultz - 5/10/2024 9:15:38 AM

Samples were received on 5/10/2024 at 13:30 on ice [8.3C - LTG#7]. pH strip #96651. WO - pschultz - 5/10/2024 2:41:25 PM

Samples were received on 5/13/2024 at 16:10 on ice [19.3C - LTG#7]. pH strip #96651. NR - pschultz - 5/13/2024 4:45:02 PM

Additional Nitric Acid (97737) was needed for AR-10 upon arrival at the laboratory. NR - pschultz - 5/13/2024 4:45:05 PM

Samples were received on 5/14/2024 at 14:39 on ice [8.1C - LTG#7]. pH strip #96651. NR - pschultz - 5/14/2024 3:02:50 PM

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

[illegible]

*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 # 24050003

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>12.1 °C</u> Preserved in: ☐ LAB ☐ FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: _____ Client Comments: _____ *elevations, pH, conductivity, temperature **Sb As Se TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring																																																																																																																																																																																																																																										
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TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

176-7

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

Justin Gp

RESULTS REQUESTED

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

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
24050003-001	RW-3		Groundwater
002	AP-1		Groundwater
003	AP-2		Groundwater
004	AP-3		Groundwater
005	AP-4		Groundwater
006	AP-5		Groundwater
007	AP-6	5-10-24 / 1013	Groundwater
008	AP-7		Groundwater
009	AP-8	5-10-24 / 1035	Groundwater
010	AP-9		Groundwater
011	AP-10		Groundwater

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 83 °C

Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY

LAB NOTES:
pH 7.96 510

Client Comments:

*elevations, pH, conductivity, temperature
 **Sb As Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Li 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								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									
1	2								✓	✓	✓	✓	✓	✓									

Relinquished By	Date/Time	Received By	Date/Time
<u>J. Gp</u>	<u>5-10-24 / 1530</u>	<u>[Signature]</u>	<u>5/10/24 1330</u>

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PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>Justin Colp</u>																													
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002	AP-1	5-13-24 / 1101	Groundwater	1	2								✓	✓	✓	✓	✓	✓													
003	AP-2	5-13-24 / 1153	Groundwater	1	2								✓	✓	✓	✓	✓	✓													
004	AP-3	5-13-24 / 1243	Groundwater	1	2								✓	✓	✓	✓	✓	✓													
005	AP-4	5-13-24 / 1325	Groundwater	1	2								✓	✓	✓	✓	✓	✓													
006	AP-5	5-13-24	Groundwater	1	2								✓	✓	✓	✓	✓	✓													
007	AP-6		Groundwater	1	2								✓	✓	✓	✓	✓	✓													
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010	AP-9		Groundwater	1	2								✓	✓	✓	✓	✓	✓													
011	AP-10	5-13-24 / 1408	Groundwater	1	2								✓	✓	✓	✓	✓	✓													
Relinquished By		Date/Time		Received By				Date/Time																							
<u>Daniel Camp</u>		<u>5-13-24 / 1610</u>		<u>Whitney Duman</u>				<u>5/13/24 1610</u>																							

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Client: <u>City Water, Light & Power</u>				Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE <u>8/10</u> °C											
Address: <u>3100 Stevenson Drive, 2nd Floor Maintenance Building</u>				Preserved in: ☐ LAB ☒ FIELD <u>FOR LAB USE ONLY</u> <u>276#1</u>											
City/State/Zip: <u>Springfield IL 62712</u>				LAB NOTES: <u>9/6/14</u> <u>5/14</u>											
Contact: <u>Eric Staley</u> Phone: <u>(217) 757-8610</u>				Client Comments:											
Email: <u>eric.staley@cwlp.com</u> Fax: _____				*elevations, pH, conductivity, temperature											
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PROJECT NAME/NUMBER		SAMPLE COLLECTOR'S NAME		# and Type of Containers											
Ash Pond Monitoring Wells		<u>Justin Gp</u>		INDICATE ANALYSIS REQUESTED											
RESULTS REQUESTED		BILLING INSTRUCTIONS													
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Groundwater				1 2											
011				AP-10											
Groundwater				1 2											
Relinquished By				Date/Time				Received By				Date/Time			
<u>Daniel Crump</u>				<u>5-14-24 / 1439</u>				<u>[Signature]</u>				<u>5/14/24 1439</u>			

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PROJECT NAME/NUMBER Ash Pond Monitoring Wells			SAMPLE COLLECTOR'S NAME <u>Justin Cole</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	
<u>24050003 - 012</u>		AP-11		Groundwater	
<u>013</u>		AP-12		Groundwater	
<u>014</u>		AP-13		Groundwater	
<u>015</u>		AP-14	<u>5-14-24 / 1038</u>	Groundwater	
<u>016</u>		T-1		Groundwater	
<u>017</u>		T-2		Groundwater	
<u>018</u>		T-4	<u>5-14-24 / 1236</u>	Groundwater	
<u>019</u>		T-5	<u>5-14-24 / 1103</u>	Groundwater	
<u>020</u>		T-6	<u>5-14-24 / 1155</u>	Groundwater	
				Groundwater	
				Groundwater	
Relinquished By <u>Daniel Cump</u>			Date/Time <u>5-14-24 / 1439</u>		Received By <u>[Signature]</u>
					Date/Time <u>5/14/24 1439</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

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

CWLP- Ash Ponds- 2Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	RW-3	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	No
002	AP-1	Groundwater Sample	68.0	None	N	Cloudy	Good	Good	Good	Yes	No
003	AP-2	Groundwater Sample	70.0	None	N	Cloudy	Good	Good	Good	Yes	No
004	AP-3	Groundwater Sample	69.0	Light	N	Cloudy	Good	Good	Good	Yes	No
005	AP-4	Groundwater Sample	73.0	None	S	Cloudy	Good	Good	Good	Yes	No
006	AP-5	Groundwater Sample	64.0	Light	E	Cloudy	Good	Good	Good	Yes	No
007	AP-6	Groundwater Sample	68.0	None	W	Partly cloudy	Good	Good	Good	Yes	No
008	AP-7	Groundwater Sample	65.0	None	E	Cloudy	Good	Good	Good	Yes	No
009	AP-8	Groundwater Sample	59.0	None	E	Clear	Good	Good	Good	Yes	No
010	AP-9	Groundwater Sample	65.0	None	E	Cloudy	Good	Good	Good	Yes	No
011	AP-10	Groundwater Sample	71.0	Light	N	Partly cloudy	Good	Good	Good	Yes	No
012	AP-11	Groundwater Sample	72.0	None	E	Partly cloudy	Good	Good	Good	Yes	No
013	AP-12	Groundwater Sample	72.0	None	E	Cloudy	Good	Good	Good	Yes	No
014	AP-13	Groundwater Sample	72.0	None	E	Partly cloudy	Good	Good	Good	Yes	No
015	AP-14	Groundwater Sample	64.0	Heavy	E	Cloudy	Good	Good	Good	Yes	No
016	T-1	Groundwater Sample	70.0	None	E	Cloudy	Good	Good	Good	Yes	No
017	T-2	Groundwater Sample	71.0	None	E	Cloudy	Good	Good	Good	Yes	No
018	T-4	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	No
019	T-5	Groundwater Sample	65.0	Light	W	Cloudy	Good	Good	Good	Yes	No
020	T-6	Groundwater Sample	68.0	None	W	Cloudy	Good	Good	Good	Yes	No

Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
CWLP- Ash Ponds- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	RW-3	TAC	5/9/24 11:19	7.87	44.01	TAC	5/9/2024	11:23	12:12	Bladder Pump	2"	9.0	183.7
002	AP-1	PY	5/13/24 10:25	8.88	31.08	PY	5/13/2024	10:29	11:01	Bladder Pump	2"	11.0	343.7
003	AP-2	PY	5/13/24 11:24	7.05	21.33	PY	5/13/2024	11:25	11:53	Bladder Pump	2"	11.0	392.9
004	AP-3	PY	5/13/24 12:10	9.11	20.80	PY	5/13/2024	12:12	12:43	Bladder Pump	2"	13.0	419.4
005	AP-4	JC	5/13/24 13:08	8.68	60.41	JC	5/13/2024	13:08	13:25	Bladder Pump	2"	5.0	294.1
006	AP-5	JC	5/14/24 9:43	13.60	31.27	JC	5/14/2024	09:43	09:54	Bladder Pump	2"	3.0	272.7
007	AP-6	TAC	5/10/24 9:25	6.57	39.62	TAC	5/10/2024	09:26	10:13	Bladder Pump	2"	8.0	170.2
008	AP-7	JC	5/14/24 11:00	9.87	42.52	JC	5/14/2024	11:01	11:21	Bladder Pump	2"	4.0	200.0
009	AP-8	BG	5/10/24 9:54	3.74	39.60	BG	5/10/2024	09:54	10:35	Peristaltic Pump	2"	5.0	122.0
010	AP-9	JC	5/14/24 11:31	11.87	39.60	JC	5/28/1901	11:31	11:45	Bladder Pump	2"	4.0	285.7
011	AP-10	PY	5/13/24 13:16	2.54	38.07	PY	5/13/2024	13:23	14:08	Peristaltic Pump	2"	13.5	300.0
012	AP-11	BG	5/9/24 13:59	9.75	22.95	BG	5/9/2024	13:59	14:28	Peristaltic Pump	2"	8.5	293.1
013	AP-12	BG	5/9/24 12:26	12.24	30.40	BG	5/9/2024	12:26	13:14	Peristaltic Pump	2"	5.0	104.2
014	AP-13	BG	5/9/24 13:26	10.82	31.00	BG	5/9/2024	13:26	13:50	Peristaltic Pump	2"	2.0	83.3
015	AP-14	JC	5/14/24 10:12	1.55	31.20	JC	5/14/2024	10:12	10:38	Submersible Pump	2"	10.0	384.6
016	T-1	BG	5/9/24 12:15	9.78	22.95	BG	5/9/2024	10:44	11:10	Peristaltic Pump	2"	3.0	115.4
017	T-2	BG	5/9/24 11:22	19.25	34.44	BG	5/9/2024	11:22	11:45	Peristaltic Pump	2"	3.0	130.4
018	T-4	PY	5/14/24 12:09	12.72	27.42	PY	5/14/2024	12:10	12:36	Peristaltic Pump	2"	8.0	307.7
019	T-5	PY	5/14/24 10:26	5.30	22.34	Py	5/14/2024	10:31	11:03	Peristaltic Pump	2"	8.0	250.0
020	T-6	py	5/14/24 11:15	8.45	43.62	PY	5/14/2024	11:20	11:55	Peristaltic Pump	2"	8.0	228.6

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

CWLP- Ash Ponds- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	RW-3	TAC	05/09/24	12:12	Low Flow	Yes	Clear	None	None	14.87	7.00
002	AP-1	TAC	05/13/24	11:01	Low Flow	No	Clear	None	None	9.26	0.38
003	AP-2	TAC	05/13/24	11:53	Low Flow	No	Clear	None	None	7.17	0.12
004	AP-3	TAC	05/13/24	12:43	Low Flow	No	Clear	None	None	9.30	0.19
005	AP-4	JC	05/13/24	13:25	Low Flow	No	Clear	None	none	9.05	0.37
006	AP-5	JC	05/14/24	09:54	Low Flow	No	Clear	None	none	14.51	0.91
007	AP-6	TAC	05/10/24	10:13	Low Flow	No	Clear	None	None	15.10	8.53
008	AP-7	JC	05/14/24	11:21	Low Flow	No	Clear	None	none	12.47	2.60
009	AP-8	BG	05/10/24	10:35	Low Flow	No	Clear	None	CLEAR	4.04	0.30
010	AP-9	JC	05/14/24	11:45	Low Flow	No	Slightly cloudy	None	lt brown	12.46	0.59
011	AP-10	TAC	05/13/24	14:08	Low Flow	No	Clear	None	None	2.81	0.27
012	AP-11	BG	05/09/24	14:28	Low Flow	No	Slightly cloudy	Slight	LT BROWN	9.86	0.11
013	AP-12	BG	05/09/24	13:14	Low Flow	No	Cloudy	Moderate	GRAY	13.25	1.01
014	AP-13	BG	05/09/24	13:50	Low Flow	No	Clear	Slight	Lt GRAY	11.02	0.20
015	AP-14	JC	05/14/24	10:38	Low Flow	No	Clear	None	none	1.89	0.34
016	T-1	BG	05/09/24	11:10	Low Flow	No	Clear	None	Clear	10.42	0.64
017	T-2	BG	05/09/24	11:45	Low Flow	No	Clear	None	CLEAR	20.12	0.87
018	T-4	TAC	05/14/24	12:36	Low Flow	No	Clear	None	None	14.26	1.54
019	T-5	TAC	05/14/24	11:03	Low Flow	No	Clear	None	None	6.36	1.06
020	T-6	TAC	05/14/24	11:55	Low Flow	No	Clear	None	None	8.89	0.44

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

CWLP- Ash Ponds- 2Q 2024

WO Sample	Well ID	COMMENTS
001	RW-3	
002	AP-1	
003	AP-2	
004	AP-3	
005	AP-4	
006	AP-5	
007	AP-6	
008	AP-7	
009	AP-8	
010	AP-9	
011	AP-10	
012	AP-11	
013	AP-12	
014	AP-13	
015	AP-14	
016	T-1	
017	T-2	
018	T-4	
019	T-5	
020	T-6	

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
RW-3	5/9/2024	12:12	15.1	59.14	6.70	644.4	0.82	23.40	-105.9	7.87	24050003-001A
AP-1	5/13/2024	11:01	14.7	58.50	6.31	1,758.0	0.69	5.74	-86.5	8.88	24050003-002A
AP-2	5/13/2024	11:53	15.1	59.18	6.21	1,286.5	0.68	4.90	-5.8	7.05	24050003-003A
AP-3	5/13/2024	12:43	16.0	60.86	6.36	1,218.9	0.68	2.72	-53.2	9.11	24050003-004A
AP-4	5/13/2024	13:25	17.2	62.96	6.83	588.1	0.40	23.97	-122.8	8.68	24050003-005A
AP-5	5/14/2024	9:54	13.6	56.49	6.99	468.0	0.71	5.17	-67.9	13.60	24050003-006A
AP-6	5/10/2024	10:13	13.5	56.26	7.27	661.5	3.05	18.97	-20.0	6.57	24050003-007A
AP-7	5/14/2024	11:21	14.2	57.47	7.15	440.8	0.92	17.95	-122.2	9.87	24050003-008A
AP-8	5/10/2024	10:35	15.2	59.32	7.03	916.7	1.05	33.67	-116.8	3.74	24050003-009A
AP-9	5/14/2024	11:45	14.6	58.19	6.75	658.9	0.41	39.76	-40.2	11.87	24050003-010A
AP-10	5/13/2024	14:08	15.8	60.36	6.54	1,142.7	1.49	6.02	-81.1	2.54	24050003-011A
AP-11	5/9/2024	14:28	17.7	63.82	6.75	1,351.2	2.84	60.05	-61.7	9.75	24050003-012A
AP-12	5/9/2024	13:14	15.8	60.52	6.52	1,675.9	1.31	88.76	-60.3	12.24	24050003-013A
AP-13	5/9/2024	13:50	16.3	61.41	6.70	804.3	2.21	5.64	-73.7	10.82	24050003-014A
AP-14	5/14/2024	10:38	13.6	56.43	6.95	1,124.6	0.14	2.92	-48.8	1.55	24050003-015A
T-1	5/9/2024	11:10	14.1	57.40	6.57	780.0	1.98	2.28	30.9	9.78	24050003-016A
T-2	5/9/2024	11:45	14.9	58.79	6.51	1,979.6	2.28	3.93	14.9	19.25	24050003-017A
T-4	5/14/2024	12:36	12.8	55.03	6.31	463.7	1.11	8.09	-2.7	12.72	24050003-018A
T-5	5/14/2024	11:03	12.3	54.09	6.62	489.5	1.35	5.40	-1.5	5.30	24050003-019A
T-6	5/14/2024	11:55	14.6	58.34	6.56	852.5	1.03	32.75	-93.5	8.45	24050003-020A

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
RW-3	5/9/2024	11:42	7.87	14.5	58.2	6.69	602.3	1.26	10.26	-78.5
RW-3	5/9/2024	11:45	7.87	14.5	58.2	6.69	608.1	1.20	11.81	-82.6
RW-3	5/9/2024	11:48	7.87	14.8	58.6	6.69	611.2	1.15	14.38	-85.6
RW-3	5/9/2024	11:51	7.87	15.0	59.0	6.68	619.0	1.10	17.50	-88.8
RW-3	5/9/2024	11:54	7.87	14.9	58.9	6.68	629.8	1.02	23.27	-93.1
RW-3	5/9/2024	11:57	7.87	14.9	58.9	6.68	634.7	0.97	23.78	-96.7
RW-3	5/9/2024	12:00	7.87	15.0	58.9	6.68	637.4	0.93	27.74	-99.1
RW-3	5/9/2024	12:03	7.87	15.0	58.9	6.69	640.9	0.89	18.67	-101.4
RW-3	5/9/2024	12:06	7.87	14.9	58.7	6.69	642.7	0.87	18.32	-103.1
RW-3	5/9/2024	12:09	7.87	15.0	59.0	6.69	642.8	0.84	18.38	-104.6
RW-3	5/9/2024	12:12	7.87	15.1	59.1	6.70	644.4	0.82	23.40	-105.9

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-1	5/13/2024	10:46	8.88	14.6	58.3	6.31	1,732.8	0.88	13.23	-81.0
AP-1	5/13/2024	10:49	8.88	14.6	58.3	6.31	1,749.6	0.82	11.40	-83.0
AP-1	5/13/2024	10:52	8.88	14.7	58.4	6.32	1,753.7	0.77	8.65	-84.2
AP-1	5/13/2024	10:55	8.88	14.6	58.3	6.32	1,757.7	0.74	7.76	-85.0
AP-1	5/13/2024	10:58	8.88	14.7	58.4	6.31	1,757.9	0.71	6.77	-85.8
AP-1	5/13/2024	11:01	8.88	14.7	58.5	6.31	1,758.0	0.69	5.74	-86.5

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-2	5/13/2024	11:35	7.05	13.5	56.3	6.26	1,257.7	1.06	15.63	-9.9
AP-2	5/13/2024	11:38	7.05	13.6	56.4	6.23	1,261.1	0.90	10.12	-7.8
AP-2	5/13/2024	11:41	7.05	13.6	56.5	6.22	1,267.6	0.81	8.13	-6.6
AP-2	5/13/2024	11:44	7.05	13.6	56.5	6.21	1,274.1	0.75	7.60	-5.7
AP-2	5/13/2024	11:47	7.05	13.6	56.5	6.20	1,282.5	0.70	6.27	-5.1
AP-2	5/13/2024	11:50	7.05	14.9	58.8	6.20	1,279.4	0.68	5.98	-5.6
AP-2	5/13/2024	11:53	7.05	15.1	59.2	6.21	1,286.5	0.68	4.90	-5.8

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-3	5/13/2024	12:25	9.11	13.8	56.8	6.38	1,211.7	0.90	4.95	-52.3
AP-3	5/13/2024	12:28	9.11	13.8	56.8	6.37	1,212.2	0.80	4.33	-53.6
AP-3	5/13/2024	12:31	9.11	13.8	56.8	6.36	1,213.0	0.74	3.58	-54.0
AP-3	5/13/2024	12:34	9.11	13.8	56.8	6.35	1,212.9	0.69	3.39	-54.4
AP-3	5/13/2024	12:37	9.11	14.9	58.8	6.35	1,198.9	0.67	3.08	-54.7
AP-3	5/13/2024	12:40	9.11	15.7	60.3	6.35	1,213.7	0.68	2.95	-54.6
AP-3	5/13/2024	12:43	9.11	16.0	60.9	6.36	1,218.9	0.68	2.72	-53.2

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-4	5/13/2024	13:16	8.68	17.4	63.3	6.81	587.7	0.73	18.58	-112.0
AP-4	5/13/2024	13:19	8.68	17.3	63.1	6.82	588.2	0.52	19.29	-118.2
AP-4	5/13/2024	13:22	8.68	17.3	63.1	6.83	588.6	0.44	20.77	-121.0
AP-4	5/13/2024	13:25	8.68	17.2	63.0	6.83	588.1	0.40	23.97	-122.8

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-5	5/14/2024	9:45	13.60	13.1	55.7	6.97	467.0	1.57	7.43	-60.2
AP-5	5/14/2024	9:48	13.60	13.8	56.8	6.97	466.2	1.00	6.39	-71.9
AP-5	5/14/2024	9:51	13.60	13.7	56.6	6.98	466.6	0.80	5.66	-70.7
AP-5	5/14/2024	9:54	13.60	13.6	56.5	6.99	468.0	0.71	5.17	-67.9

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-6	5/10/2024	9:58	6.57	13.4	56.1	7.27	659.7	3.33	9.25	-13.2
AP-6	5/10/2024	10:01	6.57	13.3	56.0	7.27	659.7	3.28	12.13	-15.2
AP-6	5/10/2024	10:04	6.57	13.3	55.9	7.27	659.9	3.22	14.64	-15.2
AP-6	5/10/2024	10:07	6.57	13.3	55.9	7.27	660.5	3.14	17.45	-16.6
AP-6	5/10/2024	10:10	6.57	13.4	56.1	7.27	660.6	3.09	16.86	-19.0
AP-6	5/10/2024	10:13	6.57	13.5	56.3	7.27	661.5	3.05	18.97	-20.0

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-7	5/14/2024	11:03	9.87	13.9	57.0	7.27	422.2	1.76	10.35	-106.4
AP-7	5/14/2024	11:06	9.87	14.3	57.7	7.15	435.9	0.74	24.14	-136.6
AP-7	5/14/2024	11:09	9.87	14.0	57.2	7.13	457.1	0.82	56.85	-134.2
AP-7	5/14/2024	11:12	9.87	13.9	57.1	7.14	443.5	0.93	30.37	-126.5
AP-7	5/14/2024	11:15	9.87	14.0	57.2	7.15	438.8	0.96	18.73	-123.1
AP-7	5/14/2024	11:18	9.87	14.0	57.1	7.15	439.0	0.94	15.25	-122.2
AP-7	5/14/2024	11:21	9.87	14.2	57.5	7.15	440.8	0.92	17.95	-122.2

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-8	5/10/2024	10:05	3.74	14.3	57.8	7.04	919.3	1.52	37.07	-118.2
AP-8	5/10/2024	10:08	3.74	14.4	57.9	7.04	913.6	1.47	39.30	-117.1
AP-8	5/10/2024	10:11	3.74	15.0	59.0	7.03	916.0	1.50	43.50	-116.5
AP-8	5/10/2024	10:14	3.74	14.3	57.8	7.03	918.1	1.38	30.38	-116.8
AP-8	5/10/2024	10:17	3.74	14.2	57.5	7.03	914.2	1.28	27.88	-117.5
AP-8	5/10/2024	10:20	3.74	14.5	58.2	7.03	915.8	1.18	30.64	-118.3
AP-8	5/10/2024	10:23	3.74	14.3	57.7	7.03	916.7	1.17	23.09	-118.3
AP-8	5/10/2024	10:26	3.74	14.5	58.0	7.03	915.1	1.12	25.30	-118.0
AP-8	5/10/2024	10:29	3.74	14.5	58.2	7.02	915.9	1.11	30.18	-117.8
AP-8	5/10/2024	10:32	3.74	14.8	58.7	7.03	916.3	1.07	32.46	-117.5
AP-8	5/10/2024	10:35	3.74	15.2	59.3	7.03	916.7	1.05	33.67	-116.8

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-9	5/14/2024	11:33	11.87	14.7	58.4	6.74	656.6	0.96	36.91	-35.8
AP-9	5/14/2024	11:36	11.87	15.0	59.0	6.74	658.8	0.81	35.35	-37.4
AP-9	5/14/2024	11:39	11.87	15.2	59.4	6.75	660.1	0.69	34.04	-38.8
AP-9	5/14/2024	11:42	11.87	14.4	57.9	6.75	661.2	0.52	38.10	-39.2
AP-9	5/14/2024	11:45	11.87	14.6	58.2	6.75	658.9	0.41	39.76	-40.2

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-10	5/13/2024	13:41	2.54	16.0	60.8	6.56	1,139.8	2.71	8.84	-74.2
AP-10	5/13/2024	13:44	2.54	15.9	60.6	6.56	1,140.3	2.51	24.11	-75.1
AP-10	5/13/2024	13:47	2.54	15.9	60.6	6.56	1,141.1	2.32	34.69	-76.2
AP-10	5/13/2024	13:50	2.54	15.8	60.5	6.55	1,142.6	2.16	7.01	-76.9
AP-10	5/13/2024	13:53	2.54	15.8	60.5	6.55	1,141.8	2.02	6.73	-77.7
AP-10	5/13/2024	13:56	2.54	15.7	60.2	6.55	1,141.9	1.90	13.94	-78.4
AP-10	5/13/2024	13:59	2.54	15.6	60.1	6.55	1,142.5	1.78	6.44	-79.2
AP-10	5/13/2024	14:02	2.54	15.6	60.1	6.55	1,141.8	1.67	5.10	-79.9
AP-10	5/13/2024	14:05	2.54	15.6	60.1	6.54	1,143.8	1.58	3.59	-80.3
AP-10	5/13/2024	14:08	2.54	15.8	60.4	6.54	1,142.7	1.49	6.02	-81.1

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-11	5/9/2024	14:19	9.75	15.7	60.3	6.73	1,340.1	2.62	63.80	-59.7
AP-11	5/9/2024	14:22	9.75	16.3	61.3	6.74	1,353.1	2.78	58.44	-60.4
AP-11	5/9/2024	14:25	9.75	16.8	62.2	6.75	1,364.8	2.69	52.91	-62.3
AP-11	5/9/2024	14:28	9.75	17.7	63.8	6.75	1,351.2	2.84	60.05	-61.7

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-12	5/9/2024	12:38	12.24	15.0	59.0	6.50	1,686.5	1.39	49.54	-61.9
AP-12	5/9/2024	12:41	12.24	15.1	59.2	6.50	1,685.5	1.36	44.95	-61.8
AP-12	5/9/2024	12:44	12.24	15.1	59.1	6.51	1,686.5	1.33	40.82	-61.4
AP-12	5/9/2024	12:47	12.24	14.9	58.9	6.51	1,686.6	1.29	53.20	-61.1
AP-12	5/9/2024	12:50	12.24	14.8	58.7	6.51	1,685.1	1.23	43.80	-61.1
AP-12	5/9/2024	12:53	12.24	14.8	58.7	6.51	1,683.3	1.22	35.78	-61.1
AP-12	5/9/2024	12:56	12.24	14.9	58.9	6.51	1,682.2	1.21	24.85	-60.8
AP-12	5/9/2024	12:59	12.24	15.2	59.3	6.52	1,682.4	1.20	22.01	-60.9
AP-12	5/9/2024	13:02	12.24	16.1	61.0	6.52	1,668.7	1.32	31.54	-61.7
AP-12	5/9/2024	13:05	12.24	14.7	58.4	6.53	1,689.9	1.26	61.81	-59.8
AP-12	5/9/2024	13:08	12.24	14.5	58.1	6.52	1,680.6	1.17	99.14	-60.4
AP-12	5/9/2024	13:11	12.24	15.1	59.2	6.52	1,666.4	1.19	90.36	-61.0
AP-12	5/9/2024	13:14	12.24	15.8	60.5	6.52	1,675.9	1.31	88.76	-60.3

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-13	5/9/2024	13:38	10.82	14.4	57.8	6.67	795.3	1.97	81.75	-75.2
AP-13	5/9/2024	13:41	10.82	14.7	58.4	6.67	795.3	1.95	45.14	-75.3
AP-13	5/9/2024	13:44	10.82	15.5	59.8	6.67	801.2	2.03	7.05	-76.2
AP-13	5/9/2024	13:47	10.82	15.9	60.6	6.69	802.2	1.99	10.83	-76.0
AP-13	5/9/2024	13:50	10.82	16.3	61.4	6.70	804.3	2.21	5.64	-73.7

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-14	5/14/2024	10:20	1.55	13.6	56.5	6.99	1,118.6	1.95	42.77	41.6
AP-14	5/14/2024	10:23	1.55	13.7	56.6	6.97	1,121.3	1.26	26.70	-11.0
AP-14	5/14/2024	10:26	1.55	13.5	56.3	6.98	1,121.7	1.14	22.63	-20.7
AP-14	5/14/2024	10:29	1.55	13.2	55.7	6.97	1,122.8	0.84	466.73	-29.2
AP-14	5/14/2024	10:32	1.55	13.5	56.3	6.96	1,123.9	0.51	11.22	-38.5
AP-14	5/14/2024	10:35	1.55	13.5	56.3	6.95	1,124.8	0.18	3.78	-46.0
AP-14	5/14/2024	10:38	1.55	13.6	56.4	6.95	1,124.6	0.14	2.92	-48.8

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T-1	5/9/2024	10:52	9.78	14.7	58.4	6.61	799.0	3.10	21.24	-3.1
T-1	5/9/2024	10:55	9.78	14.5	58.1	6.59	790.5	2.96	23.14	-2.6
T-1	5/9/2024	10:58	9.78	14.4	58.0	6.58	782.0	2.65	12.50	-1.2
T-1	5/9/2024	11:01	9.78	14.2	57.6	6.58	777.0	2.48	4.70	7.7
T-1	5/9/2024	11:04	9.78	14.1	57.4	6.57	776.8	2.17	6.74	20.4
T-1	5/9/2024	11:07	9.78	14.2	57.5	6.57	777.5	2.05	2.57	27.4
T-1	5/9/2024	11:10	9.78	14.1	57.4	6.57	780.0	1.98	2.28	30.9

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T-2	5/9/2024	11:36	19.25	14.4	57.9	6.52	1,955.3	2.95	12.39	16.0
T-2	5/9/2024	11:39	19.25	14.6	58.3	6.51	1,963.2	2.71	7.36	14.3
T-2	5/9/2024	11:42	19.25	14.8	58.6	6.51	1,970.2	2.48	5.01	14.5
T-2	5/9/2024	11:45	19.25	14.9	58.8	6.51	1,979.6	2.28	3.93	14.9

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T-4	5/14/2024	12:24	12.72	12.7	54.8	6.38	481.0	1.50	8.20	-15.0
T-4	5/14/2024	12:27	12.72	12.7	54.8	6.36	478.1	1.35	8.64	-11.0
T-4	5/14/2024	12:30	12.72	12.7	54.8	6.34	476.9	1.25	8.84	-7.5
T-4	5/14/2024	12:33	12.72	12.8	55.1	6.32	471.3	1.17	8.56	-4.8
T-4	5/14/2024	12:36	12.72	12.8	55.0	6.31	463.7	1.11	8.09	-2.7

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T-5	5/14/2024	10:45	5.30	12.4	54.3	6.72	490.8	2.06	29.26	-5.9
T-5	5/14/2024	10:48	5.30	12.3	54.2	6.68	491.6	1.88	22.36	-4.5
T-5	5/14/2024	10:51	5.30	12.3	54.2	6.67	492.3	1.70	17.13	-3.9
T-5	5/14/2024	10:54	5.30	12.1	53.8	6.65	492.7	1.56	12.69	-3.4
T-5	5/14/2024	10:57	5.30	12.2	54.0	6.64	491.8	1.47	7.45	-3.1
T-5	5/14/2024	11:00	5.30	12.4	54.2	6.63	490.6	1.41	6.93	-2.4
T-5	5/14/2024	11:03	5.30	12.3	54.1	6.62	489.5	1.35	5.40	-1.5

Site Sampling Event: CWLP- 2Q24

LIMS Workorder: 24050003

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- GW Quality Parameters

CWLP- Ash Ponds- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T-6	5/14/2024	11:37	8.45	14.8	58.6	6.58	852.5	1.95	120.51	-82.7
T-6	5/14/2024	11:40	8.45	14.9	58.8	6.57	858.6	1.48	113.83	-87.1
T-6	5/14/2024	11:43	8.45	14.7	58.5	6.57	857.7	1.31	95.72	-89.6
T-6	5/14/2024	11:46	8.45	14.8	58.7	6.57	853.4	1.19	72.79	-91.3
T-6	5/14/2024	11:49	8.45	14.7	58.5	6.56	855.6	1.13	53.26	-92.4
T-6	5/14/2024	11:52	8.45	14.7	58.4	6.56	854.7	1.07	41.86	-93.0
T-6	5/14/2024	11:55	8.45	14.6	58.3	6.56	852.5	1.03	32.75	-93.5

Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 26599 Technician(s): B. Gillihan Date: 5/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/9/24 9:25
7.0 Buffer	WC240307F	7.00	5/9/24 9:37
10.0 Buffer	WC231027D	10.01	5/9/24 9:40
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/9/24 9:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	5/9/24 9:51
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	LCS	5/9/24 18:30	18.96	7.00	1,412	1.5		
CCV-1	CCV	5/9/24 18:29	20.62	7.02	1,413	1.5		

Comments: _____

Field Meter ID: Pine 26599 Technician(s): B. Gillihan Date: 5/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.01	5/10/24 8:54
7.0 Buffer	WC240307F	7.02	5/10/24 16:36
10.0 Buffer	WC231027D	10.00	5/10/24 16:36
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/10/24 16:38

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	5/10/24 16:38
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	LCS	5/10/24 16:38	18.65	7.01	1,413	1.5		
CCV-2	CCV	5/10/24 16:39	20.64	7.02	1,415	1.4		

Comments: _____



Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 26599 Technician(s): B. Gillihan Date: 5/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/13/24 9:29
7.0 Buffer	WC240307F	7.03	5/13/24 9:36
10.0 Buffer	WC231027D	10.01	5/13/24 9:42
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	5/13/24 9:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	5/13/24 9:58
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-3	LCS	5/13/24 10:05	19.72	7.02	1,415	1.6		
CCV-3	CCV	5/13/24 11:05	20.01	7.01	1,415	1.5		

Comments: _____

Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 45986 Technician(s): Daniel Crump/Tracy Carroll Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/8/24 10:09
7.0 Buffer	WC240307F	7.01	5/8/24 10:07
10.0 Buffer	WC230619B	10.00	5/8/24 10:11
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/8/24 10:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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	LCS	5/8/24 10:16	22.9	7.09	1,413			
CCV-1	CCV	5/8/24 13:21	21	7.02	1,439			

Comments: _____

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/9/24 11:02
7.0 Buffer	WC240307F	7.02	5/9/24 11:01
10.0 Buffer	WC230619B	10.00	5/9/24 11:03
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/9/24 11:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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	LCS	5/9/24 11:16	24.2	7.06	1,413			
CCV-2	CCV	5/9/24 15:03	25.2	7.08	1,488			

Comments: _____



Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 45986 Technician(s): Tracy Carroll Date: 5/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/10/24 9:28
7.0 Buffer	WC240307F	7.04	5/10/24 9:25
10.0 Buffer	WC230619B	10.00	5/10/24 9:31
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/10/24 9:32

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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	LCS	5/10/24 9:36	14.5	7.05	1,414	1.95		
CCV-3	CCV	5/10/24 10:55	15.2	7.04	1,488			

Comments: _____

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll/Payton Yoch Date: 5/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/13/24 10:00
7.0 Buffer	WC240307F	7.01	5/13/24 9:57
10.0 Buffer	WC230619B	10.00	5/13/24 10:04
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/13/24 10:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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	LCS	5/13/24 10:14	23.7	6.99	1,411			
CCV-4	CCV	5/13/24 14:33	28	6.90	1,435			

Comments: _____



Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 45986 Technician(s): Tracy Carroll/Payton Yoch Date: 5/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/14/24 10:22
7.0 Buffer	WC240307F	7.01	5/14/24 10:22
10.0 Buffer	WC230619B	10.00	5/14/24 10:23
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/14/24 10:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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-5	LCS	5/14/24 10:25	23.7	6.99	1,412			
CCV-5	CCV	5/14/24 13:30	22.9	7.02	1,455			

Comments: _____

Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 218083 Technician(s): justin colp Date: 5/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	5/9/24 9:29
7.0 Buffer	wc240307f	7.01	5/9/24 9:23
10.0 Buffer	wc231027d	10.00	5/9/24 9:37
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1409	5/9/24 9:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.93	5/9/24 9:42
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	LCS	5/9/24 9:44	20.5	7.01	1,409	0.93		
CCV-M-1	CCV	5/9/24 12:11	21.7	7.03	1,421	0.96		
CCV-1	CCV	5/9/24 14:35	22.8	7.03	1,424	1.04		

Comments: _____

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/10/24 9:32
7.0 Buffer	wc240307f	7.02	5/10/24 9:30
10.0 Buffer	wc231027d	9.98	5/10/24 9:35
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1410	5/10/24 9:40

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.87	5/10/24 9:40
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	LCS	5/10/24 9:43	18.8	7.02	1,410	0.87		
CCV-2	CCV	5/10/24 10:58	19.7	7.02	1,416	0.89		

Comments: _____



Site Sampling Event: CWLP- 2Q24
LIMS Workorder: 24050003
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- Ash Ponds- 2Q 2024

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 218083 Technician(s): justin colp Date: 5/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/13/24 9:49
7.0 Buffer	wc240307f	7.01	5/13/24 9:43
10.0 Buffer	wc231027d	9.98	5/13/24 9:58
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/13/24 9:58

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.86	5/13/24 9:58
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-3	LCS	5/13/24 10:00	21.7	7.01	1,412	0.86		
CCV-3	CCV	5/13/24 14:28	22.1	7.03	1,420	0.92		

Comments: _____

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	5/14/24 9:25
7.0 Buffer	wc240307f	7.00	5/14/24 9:21
10.0 Buffer	wc231027d	9.99	5/14/24 9:28
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1410	5/14/24 9:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.96	5/14/24 9:35
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	LCS	5/14/24 9:37	20.2	7.00	1,410	0.96		
CCV-4	CCV	5/14/24 12:17	21	7.01	1,418	0.99		

Comments: _____



Summit Environmental Technologies, Inc.

3310 Win St.

Cuyahoga Falls, Ohio 44223

TEL: (330) 253-8211 FAX: (330) 253-4489

Website: <http://www.settek.com>

June 12, 2024

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:
RE: 24050003

Order No.: 24051620

Dear Shelly Hennessy:

Summit Environmental Technologies, Inc. received 20 sample(s) on 5/17/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



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Website: <http://www.settek.com>

Case Narrative

WO#: 24051620
Date: 6/12/2024

CLIENT: TEKLAB Inc,
Project: 24050003

WorkOrder Narrative:

24051620: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence QC Notes:

LCS/LCSD-75651 Radium-228_NPW(904.0): LCS/LCSD exhibited a high RPD, individually each LCS/LCSD meets required criteria.

LCS/LCSD-75699 Radium-228_DW(904.0): LCS/LCSD exhibited a high RPD, individually each LCS/LCSD meets the required criteria.

LCS/LCSD-75740 Radium-226_DW(903.0): LCS/LCSD exhibit a high RPD, individually each LCS/LCSD meet required criteria.

Original

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Summit Environmental Technologies, Inc.
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Workorder Sample Summary

WO#: 24051620
12-Jun-24

CLIENT: TEKLAB Inc,
Project: 24050003

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24051620-001	24050003-001		5/9/2024 12:12:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-002	24050003-002		5/13/2024 11:01:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-003	24050003-003		5/13/2024 11:53:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-004	24050003-004		5/13/2024 12:43:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-005	24050003-005		5/13/2024 1:25:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-006	24050003-006		5/14/2024 9:54:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-007	24050003-007		5/10/2024 10:13:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-008	24050003-008		5/14/2024 11:21:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-009	24050003-009		5/10/2024 10:35:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-010	24050003-010		5/14/2024 11:45:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-011	24050003-011		5/13/2024 2:08:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-012	24050003-012		5/9/2024 11:10:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-013	24050003-013		5/9/2024 1:14:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-014	24050003-014		5/9/2024 1:50:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-015	24050003-015		5/14/2024 10:38:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-016	24050003-016		5/9/2024 2:28:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-017	24050003-017		5/9/2024 11:45:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-018	24050003-018		5/14/2024 12:36:00 PM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-019	24050003-019		5/14/2024 11:03:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water
24051620-020	24050003-020		5/14/2024 11:55:00 AM	5/17/2024 12:15:00 PM	Non-Potable Water



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Website: <http://www.settek.com>

DATES REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,
Project: 24050003

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24051620-001A	24050003-001	5/9/2024 12:12:00 PM	Non-Potable Water	Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-002A	24050003-002	5/13/2024 11:01:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-003A	24050003-003	5/13/2024 11:53:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-004A	24050003-004	5/13/2024 12:43:00 PM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-005A	24050003-005	5/13/2024 1:25:00 PM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-006A	24050003-006	5/14/2024 9:54:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-007A	24050003-007	5/10/2024 10:13:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-008A	24050003-008	5/14/2024 11:21:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-009A	24050003-009	5/10/2024 10:35:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-010A	24050003-010	5/14/2024 11:45:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-011A	24050003-011	5/13/2024 2:08:00 PM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-012A	24050003-012	5/9/2024 11:10:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM

Original



Summit Environmental Technologies, Inc.
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

DATES REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,
Project: 24050003

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24051620-012A	24050003-012	5/9/2024 11:10:00 AM	Non-Potable Water	Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-013A	24050003-013	5/9/2024 1:14:00 PM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-014A	24050003-014	5/9/2024 1:50:00 PM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-015A	24050003-015	5/14/2024 10:38:00 AM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-016A	24050003-016	5/9/2024 2:28:00 PM		Radium-226 (EPA 903.0)		5/28/2024 10:05:00 AM	6/4/2024 9:57:00 AM
				Radium-228 (EPA 904.0)		5/28/2024 10:05:00 AM	6/3/2024 2:37:00 PM
24051620-017A	24050003-017	5/9/2024 11:45:00 AM		Radium-226 (EPA 903.0)		5/29/2024 12:23:00 PM	6/5/2024 10:01:00 AM
				Radium-228 (EPA 904.0)		5/29/2024 12:23:00 PM	6/4/2024 2:54:00 PM
24051620-018A	24050003-018	5/14/2024 12:36:00 PM		Radium-226 (EPA 903.0)		5/29/2024 12:23:00 PM	6/5/2024 10:01:00 AM
				Radium-228 (EPA 904.0)		5/29/2024 12:23:00 PM	6/4/2024 2:54:00 PM
24051620-019A	24050003-019	5/14/2024 11:03:00 AM		Radium-226 (EPA 903.0)		5/30/2024 1:15:00 PM	6/10/2024 12:05:07 PM
				Radium-228 (EPA 904.0)		5/30/2024 1:15:00 PM	6/7/2024 12:56:15 PM
24051620-020A	24050003-020	5/14/2024 11:55:00 AM		Radium-226 (EPA 903.0)		5/30/2024 1:15:00 PM	6/10/2024 12:05:07 PM
				Radium-228 (EPA 904.0)		5/30/2024 1:15:00 PM	6/7/2024 12:56:15 PM

Original



Summit Environmental Technologies, Inc.
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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, **Collection Date:** 5/9/2024 12:12:00 PM
Project: 24050003
Lab ID: 24051620-001 **Matrix:** NON-POTABLE WATER
Client Sample ID: 24050003-001

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0800	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.280	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, **Collection Date:** 5/13/2024 11:01:00 AM
Project: 24050003
Lab ID: 24051620-002 **Matrix:** NON-POTABLE WATER
Client Sample ID: 24050003-002

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.130	1	6/4/2024 9:57:00 AM
Yield	0.960					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.200	1	6/3/2024 2:37:00 PM
Yield	0.950					1	6/3/2024 2:37:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/13/2024 11:53:00 AM

Project: 24050003

Lab ID: 24051620-003

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-003

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0600	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.260	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/13/2024 12:43:00 PM

Project: 24050003

Lab ID: 24051620-004

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-004

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.250	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/13/2024 1:25:00 PM

Project: 24050003

Lab ID: 24051620-005

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-005

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.100	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.300	1	6/3/2024 2:37:00 PM
Yield	0.980					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/14/2024 9:54:00 AM

Project: 24050003

Lab ID: 24051620-006

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-006

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0300	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.260	1	6/3/2024 2:37:00 PM
Yield	0.980					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

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WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, Collection Date: 5/10/2024 10:13:00 AM
Project: 24050003
Lab ID: 24051620-007 Matrix: NON-POTABLE WATER
Client Sample ID: 24050003-007

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0500	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.210	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/14/2024 11:21:00 AM

Project: 24050003

Lab ID: 24051620-008

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-008

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0800	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.290	1	6/3/2024 2:37:00 PM
Yield	0.990					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/10/2024 10:35:00 AM

Project: 24050003

Lab ID: 24051620-009

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-009

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.150	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.350	1	6/3/2024 2:37:00 PM
Yield	0.990					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/14/2024 11:45:00 AM

Project: 24050003

Lab ID: 24051620-010

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-010

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0900	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.290	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, **Collection Date:** 5/13/2024 2:08:00 PM
Project: 24050003
Lab ID: 24051620-011 **Matrix:** NON-POTABLE WATER
Client Sample ID: 24050003-011

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.170	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.290	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, **Collection Date:** 5/9/2024 11:10:00 AM
Project: 24050003
Lab ID: 24051620-012 **Matrix:** NON-POTABLE WATER
Client Sample ID: 24050003-012

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.130	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	1.28	1.00		pCi/L	± 0.400	1	6/3/2024 2:37:00 PM
Yield	0.950					1	6/3/2024 2:37:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/9/2024 1:14:00 PM

Project: 24050003

Lab ID: 24051620-013

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-013

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.120	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.340	1	6/3/2024 2:37:00 PM
Yield	0.950					1	6/3/2024 2:37:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/9/2024 1:50:00 PM

Project: 24050003

Lab ID: 24051620-014

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-014

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0900	1	6/4/2024 9:57:00 AM
Yield	0.940					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.280	1	6/3/2024 2:37:00 PM
Yield	0.850					1	6/3/2024 2:37:00 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

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Analytical Report

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WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, Collection Date: 5/14/2024 10:38:00 AM
Project: 24050003
Lab ID: 24051620-015 Matrix: NON-POTABLE WATER
Client Sample ID: 24050003-015

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.310	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

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Analytical Report

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WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/9/2024 2:28:00 PM

Project: 24050003

Lab ID: 24051620-016

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-016

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0500	1	6/4/2024 9:57:00 AM
Yield	1.00					1	6/4/2024 9:57:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.240	1	6/3/2024 2:37:00 PM
Yield	1.00					1	6/3/2024 2:37:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

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Analytical Report

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WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc, **Collection Date:** 5/9/2024 11:45:00 AM
Project: 24050003
Lab ID: 24051620-017 **Matrix:** NON-POTABLE WATER
Client Sample ID: 24050003-017

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0900	1	6/5/2024 10:01:00 AM
Yield	0.970					1	6/5/2024 10:01:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.510	1	6/4/2024 2:54:00 PM
Yield	0.790					1	6/4/2024 2:54:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

Original



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Website: <http://www.settek.com>

Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/14/2024 12:36:00 PM

Project: 24050003

Lab ID: 24051620-018

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-018

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: DHF	
Radium-226	ND	1.00		pCi/L	± 0.0900	1	6/5/2024 10:01:00 AM
Yield	1.00					1	6/5/2024 10:01:00 AM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: DHF	
Radium-228	ND	1.00		pCi/L	± 0.300	1	6/4/2024 2:54:00 PM
Yield	1.00					1	6/4/2024 2:54:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/14/2024 11:03:00 AM

Project: 24050003

Lab ID: 24051620-019

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-019

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: SMZ	
Radium-226	ND	1.00		pCi/L	± 0.0600	1	6/10/2024 12:05:07 PM
Yield	0.790					1	6/10/2024 12:05:07 PM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: SMZ	
Radium-228	ND	1.00		pCi/L	± 0.460	1	6/7/2024 12:56:15 PM
Yield	0.690					1	6/7/2024 12:56:15 PM

Qualifiers:
H Holding times for preparation or analysis exceeded
ND Not Detected
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Original



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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,

Collection Date: 5/14/2024 11:55:00 AM

Project: 24050003

Lab ID: 24051620-020

Matrix: NON-POTABLE WATER

Client Sample ID: 24050003-020

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: SMZ	
Radium-226	ND	1.00		pCi/L	± 0.120	1	6/10/2024 12:05:07 PM
Yield	1.00					1	6/10/2024 12:05:07 PM
RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: SMZ	
Radium-228	ND	1.00		pCi/L	± 0.420	1	6/7/2024 12:56:15 PM
Yield	0.930					1	6/7/2024 12:56:15 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75651

Sample ID: MB-75651	SampType: MBLK	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/28/2024				RunNo: 186770		
Client ID: PBW	Batch ID: 75651	TestNo: E904.0		E903-904		Analysis Date: 6/3/2024				SeqNo: 5060869		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-228	ND	1.00		0	0							
Yield	1.00			0	0							

Sample ID: LCSD-75651	SampType: LCSD	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/28/2024			RunNo: 186770		
Client ID: LCSS02	Batch ID: 75651	TestNo: E904.0		E903-904		Analysis Date: 6/3/2024			SeqNo: 5060871		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.50	1.00	5.000	0	90.0	50	130	3.520	24.4	20	R
Yield	1.00			0	0			1.000	0		

Sample ID: 24051612-001ADUP		SampType: DUP		TestCode: Radium-228_ Units: pCi/L			Prep Date: 5/28/2024			RunNo: 186770			
Client ID: BatchQC		Batch ID: 75651		TestNo: E904.0		E903-904		Analysis Date: 6/3/2024			SeqNo: 5060876		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228		ND		1.00		0	0			0	0	30	R
Yield		0.970				0	0			1.000	3.05		

Qualifiers:

H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75651

Sample ID: 24051613-001ADUP		SampType: DUP	TestCode: Radium-228_			Units: pCi/L	Prep Date: 5/28/2024			RunNo: 186770		
Client ID: BatchQC		Batch ID: 75651	TestNo: E904.0		E903-904		Analysis Date: 6/3/2024			SeqNo: 5060878		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-228	ND	1.00		0	0			0	0	30	R	
Yield	0.950			0	0			0.9500	0			

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75651

Sample ID: 24051612-001ADUP	SampType: DUP	TestCode: Radium-226_			Units: pCi/L	Prep Date: 5/28/2024			RunNo: 186773		
Client ID: BatchQC	Batch ID: 75651	TestNo: E903.0		E903-904		Analysis Date: 6/4/2024			SeqNo: 5061011		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	30	
Yield	0.960							1.000	4.08	0	

Sample ID: 24051613-001ADUP		SampType: DUP	TestCode: Radium-226_			Units: pCi/L	Prep Date: 5/28/2024			RunNo: 186773		
Client ID: BatchQC		Batch ID: 75651	TestNo: E903.0		E903-904		Analysis Date: 6/4/2024			SeqNo: 5061013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-226	ND	1.00						0	0	30		
Yield	0.940							0.9500	1.06	0		

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75651

Sample ID: MB-75651	SampType: MBLK	TestCode: Radium-226_ Units: pCi/L			Prep Date: 5/28/2024				RunNo: 186773		
Client ID: PBW	Batch ID: 75651	TestNo: E903.0		E903-904		Analysis Date: 6/4/2024				SeqNo: 5061004	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	ND										

Sample ID: LCS-75651	SampType: LCS	TestCode: Radium-226_ Units: pCi/L				Prep Date: 5/28/2024				RunNo: 186773		
Client ID: LCSW	Batch ID: 75651	TestNo: E903.0		E903-904		Analysis Date: 6/4/2024				SeqNo: 5061005		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-226	4.94	1.00	5.000	0	98.8	70	130					

Sample ID: LCSD-75651	SampType: LCSD	TestCode: Radium-226_ Units: pCi/L				Prep Date: 5/28/2024				RunNo: 186773		
Client ID: LCSS02	Batch ID: 75651	TestNo: E903.0		E903-904		Analysis Date: 6/4/2024				SeqNo: 5061006		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-226	4.48	1.00	5.000	0	89.6	70	130	4.940	9.77	20		

Qualifiers:

H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75699

Sample ID: MB-75699	SampType: MBLK	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/29/2024				RunNo: 186905		
Client ID: PBW	Batch ID: 75699	TestNo: E904.0		E903-904		Analysis Date: 6/4/2024				SeqNo: 5063570		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-228	ND	1.00		0	0							
Yield	1.00			0	0							

Sample ID: LCS-75699	SampType: LCS	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/29/2024			RunNo: 186905		
Client ID: LCSW	Batch ID: 75699	TestNo: E904.0		E903-904		Analysis Date: 6/4/2024			SeqNo: 5063571		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.24	1.00	5.000	0	64.8	50	130				QLR
Yield	1.00			0	0						

Sample ID: LCSD-75699	SampType: LCSD	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/29/2024			RunNo: 186905		
Client ID: LCSS02	Batch ID: 75699	TestNo: E904.0		E903-904		Analysis Date: 6/4/2024			SeqNo: 5063572		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.05	1.00	5.000	0	81.0	50	130	3.240	22.2	20	R
Yield	1.00			0	0			1.000	0		

Qualifiers:

H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75699

Sample ID: 24051688-001ADUP		SampType: DUP	TestCode: Radium-228_			Units: pCi/L	Prep Date: 5/29/2024			RunNo: 186905		
Client ID: BatchQC		Batch ID: 75699	TestNo: E904.0		E903-904		Analysis Date: 6/4/2024			SeqNo: 5063582		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-228	ND	1.00		0	0			0	0	20		
Yield	0.890			0	0			1.000	11.6			

Sample ID: 24051688-002ADUP		SampType: DUP	TestCode: Radium-228_ Units: pCi/L			Prep Date: 5/29/2024			RunNo: 186905		
Client ID: BatchQC		Batch ID: 75699	TestNo: E904.0		E903-904	Analysis Date: 6/4/2024			SeqNo: 5063584		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	1.00			0	0			0.9300	7.25		

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75699

Sample ID: MB-75699		SampType: MBLK		TestCode: Radium-226_		Units: pCi/L		Prep Date: 5/29/2024		RunNo: 186909			
Client ID: PBW		Batch ID: 75699		TestNo: E903.0		E903-904		Analysis Date: 6/5/2024		SeqNo: 5063797			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226		ND		1.00									
Yield		1.00											

Sample ID: LCS-75699	SampType: LCS	TestCode: Radium-226_ Units: pCi/L				Prep Date: 5/29/2024			RunNo: 186909		
Client ID: LCSW	Batch ID: 75699	TestNo: E903.0		E903-904		Analysis Date: 6/5/2024			SeqNo: 5063798		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.93	1.00	5.000	0	98.6	70	130				

Sample ID: LCSD-75699	SampType: LCSD	TestCode: Radium-226_ Units: pCi/L				Prep Date: 5/29/2024				RunNo: 186909		
Client ID: LCSS02	Batch ID: 75699	TestNo: E903.0		E903-904		Analysis Date: 6/5/2024				SeqNo: 5063799		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-226	5.16	1.00	5.000	0	103	70	130	4.930	4.56	20		

Sample ID: 24051688-001ADUP		SampType: DUP	TestCode: Radium-226_		Units: pCi/L	Prep Date: 5/29/2024				RunNo: 186909		
Client ID: BatchQC	Batch ID: 75699		TestNo: E903.0		E903-904	Analysis Date: 6/5/2024				SeqNo: 5063808		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75699

Sample ID: 24051688-001ADUP		SampType: DUP		TestCode: Radium-226_		Units: pCi/L		Prep Date: 5/29/2024		RunNo: 186909			
Client ID: BatchQC		Batch ID: 75699		TestNo: E903.0		E903-904		Analysis Date: 6/5/2024		SeqNo: 5063808			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226		ND		1.00						0	0	20	
Yield		1.00								1.000	0	0	

Sample ID: 24051688-002ADUP		SampType: DUP		TestCode: Radium-226_		Units: pCi/L		Prep Date: 5/29/2024		RunNo: 186909			
Client ID: BatchQC		Batch ID: 75699		TestNo: E903.0		E903-904		Analysis Date: 6/5/2024		SeqNo: 5063810			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226		ND		1.00						0	0	20	
Yield		1.00								1.000	0	0	

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75740

Sample ID: MB-75740	SampType: MBLK	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/30/2024			RunNo: 187287		
Client ID: PBW	Batch ID: 75740	TestNo: E904.0		E903-904		Analysis Date: 6/7/2024			SeqNo: 5075299		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: LCS-75740	SampType: LCS	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/30/2024			RunNo: 187287		
Client ID: LCSW	Batch ID: 75740	TestNo: E904.0		E903-904		Analysis Date: 6/7/2024			SeqNo: 5075300		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.94	1.00	5.000	0	78.8	50	130				
Yield	0.890			0	0						

Sample ID: LCSD-75740	SampType: LCSD	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/30/2024			RunNo: 187287		
Client ID: LCSS02	Batch ID: 75740	TestNo: E904.0		E903-904		Analysis Date: 6/7/2024			SeqNo: 5075301		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.07	1.00	5.000	0	81.4	50	130	3.940	3.25	20	
Yield	0.860			0	0			0.8900	3.43		

Qualifiers:

H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75740

Sample ID: 24050773-001ADUP	SampType: DUP	TestCode: Radium-228_ Units: pCi/L				Prep Date: 5/30/2024				RunNo: 187287		
Client ID: BatchQC	Batch ID: 75740	TestNo: E904.0		E903-904		Analysis Date: 6/7/2024				SeqNo: 5075306		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-228	ND	1.00		0	0			0	0	20	R	
Yield	0.910			0	0			0.8900	2.22			

Sample ID: 24052198-001ADUP		SampType: DUP	TestCode: Radium-228_			Units: pCi/L	Prep Date: 5/30/2024			RunNo: 187287		
Client ID: BatchQC		Batch ID: 75740	TestNo: E904.0		E903-904		Analysis Date: 6/7/2024			SeqNo: 5075324		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-228	ND	1.00		0	0			0	0	20	R	
Yield	0.930			0	0			0.9600	3.17			

Qualifiers:

H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75740

Sample ID: MB-75740		SampType: MBLK		TestCode: Radium-226_ Units: pCi/L		Prep Date: 5/30/2024			RunNo: 187303				
Client ID: PBW		Batch ID: 75740		TestNo: E903.0 E903-904		Analysis Date: 6/10/2024			SeqNo: 5075489				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226		ND		1.00									
Yield		1.00											

Sample ID: LCS-75740	SampType: LCS	TestCode: Radium-226_ Units: pCi/L				Prep Date: 5/30/2024				RunNo: 187303		
Client ID: LCSW	Batch ID: 75740	TestNo: E903.0		E903-904		Analysis Date: 6/10/2024				SeqNo: 5075490		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-226	4.05	1.00	5.000	0	81.0	70	130				OLR	

Sample ID: LCSD-75740	SampType: LCSD	TestCode: Radium-226_ Units: pCi/L				Prep Date: 5/30/2024			RunNo: 187303		
Client ID: LCSS02	Batch ID: 75740	TestNo: E903.0		E903-904		Analysis Date: 6/10/2024			SeqNo: 5075491		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.95	1.00	5.000	0	99.0	70	130	4.050	20.0	20	R

Sample ID: 24050773-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 5/30/2024	RunNo: 187303						
Client ID: BatchQC	Batch ID: 75740	TestNo: E903.0	E903-904	Analysis Date: 6/10/2024	SeqNo: 5075496						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 24051620

12-Jun-24

Client: TEKLAB Inc,

Project: 24050003

BatchID: 75740

Sample ID: 24050773-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 5/30/2024	RunNo: 187303						
Client ID: BatchQC	Batch ID: 75740	TestNo: E903.0	E903-904	Analysis Date: 6/10/2024	SeqNo: 5075496						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							0.9400	6.19	0	

Sample ID: 24052198-001ADUP		SampType: DUP	TestCode: Radium-226_			Units: pCi/L	Prep Date: 5/30/2024			RunNo: 187303		
Client ID: BatchQC		Batch ID: 75740	TestNo: E903.0		E903-904		Analysis Date: 6/10/2024			SeqNo: 5075514		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium-226	ND	1.00						0	0	20		
Yield	0.960							1.000	4.08	0		

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
R RPD outside accepted recovery limits

ND Not Detected
RL Reporting Detection Limit

TEKLAB, INC. Chain of Custody

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

24051620

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ FieldTeklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: 20.0-21.8°F

Sampler: Client

QC Level: 2

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per your usual methods.

Any changes to analysis/methods must be approved by Teklab, Inc. Batch QC is required.

Samples collected from an IL site.

Project# 24050003

Contact: Shelly Hennessy

Email: shennessy@TekLabInc.com

Requested Due Date: Standard TAT

Billing/PO: 36305

Phone: (618) 344-1004 ext. 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 226/228															
	24050003-001	5/9/2024 12:12	HNO3	Groundwater	✓	20														
	24050003-002	5/13/2024 11:01	HNO3	Groundwater	✓	38														
	24050003-003	5/13/2024 11:53	HNO3	Groundwater	✓	28														
	24050003-004	5/13/2024 12:43	HNO3	Groundwater	✓	30														
	24050003-005	5/13/2024 13:25	HNO3	Groundwater	✓	28														
	24050003-006	5/14/2024 09:54	HNO3	Groundwater	✓	34														
	24050003-007	5/10/2024 10:13	HNO3	Groundwater	✓	24														
	24050003-008	5/14/2024 11:21	HNO3	Groundwater	✓	14														
	24050003-009	5/10/2024 10:35	HNO3	Groundwater	✓	36														
	24050003-010	5/14/2024 11:45	HNO3	Groundwater	✓	20														
	24050003-011	5/13/2024 14:08	HNO3	Groundwater	✓	24														

*Relinquished By	Date/Time	Received By	Date/Time
Paul G. G. G.	5/14/24	John P. P. P.	5/17/24, 12:15

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
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Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: Project# Comments: **Please Issue reports and invoices via email only**

Please analyze for Radium 226/228 per your usual methods.

Any changes to analysis/methods must be approved by Teklab, Inc. Batch QC is required.

Samples collected from an IL site.

Contact: Email: Requested Due Date: Billing/PO: Phone: **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 226/228															
	24050003-012	5/9/2024 11:10	HNO3	Groundwater	✓															
	24050003-013	5/9/2024 13:14	HNO3	Groundwater	✓															
	24050003-014	5/9/2024 13:50	HNO3	Groundwater	✓															
	24050003-015	5/14/2024 10:38	HNO3	Groundwater	✓															
	24050003-016	5/9/2024 14:28	HNO3	Groundwater	✓															
	24050003-017	5/9/2024 11:45	HNO3	Groundwater	✓															
	24050003-018	5/14/2024 12:36	HNO3	Groundwater	✓															
	24050003-019	5/14/2024 11:03	HNO3	Groundwater	✓															
	24050003-020	5/14/2024 11:55	HNO3	Groundwater	✓															
			HNO3	Groundwater																
			HNO3	Groundwater																

*Relinquished By	Date/Time	Received By	Date/Time
<i>Paul G. [Signature]</i>	5/14/24		



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Sample Log-In Check List

Client Name: TEK-IL-62234-A

Work Order Number: 24051620

RcptNo: 1

Logged by: Tegan A. Richards 5/17/2024 12:15:00 PM

Tegan Richards

Completed By: Tegan A. Richards 5/21/2024 1:52:00 PM

Tegan Richards

Reviewed By: Jennifer Woolf 5/21/2024 2:16:21 PM

Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☒ No ☐
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒
No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☒ NA ☐
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
Not required
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	20.0	Good	Not Present			



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Sample Log-In Check List

Client Name: TEK-IL-62234-A

Work Order Number: 24051620

RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
2	21.0	Good	Not Present			
3	21.9	Good	Not Present			