

**City Water, Light & Power
Springfield, Sangamon County, Illinois**

**Annual Groundwater Monitoring and
Corrective Action Report**

40 CFR Part 257

Year Ending December 31, 2024

January 2025



Prepared for:
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Springfield, IL

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1. INTRODUCTION

Pursuant to 40 CFR §257.90(e), provided herein is the 2024 Annual Groundwater Monitoring and Corrective Action Report (2024 Annual Report) for year ending December 31, 2024.

City Water, Light and Power (CWLP) owns and operates two (2) existing coal combustion residual (CCR) surface impoundments. The CWLP CCR surface impoundments are located north and east of the former Lakeside Power Generating Station and Dallman Power Generating Station in the Eastern ½ of Section 12, Township 15 North, Range 5 West, in Springfield, Illinois (see Figure 1). These CCR surface impoundments are identified as the Lakeside Ash Pond and the Dallman Ash Pond (see Figure 2).

The former Lakeside Power Generating Station and Dallman Power Generating Station are situated on the northwestern bank of Lake Springfield in Springfield, Illinois. The Lakeside Ash Pond is immediately north of Spaulding Dam at the northern end of Lake Springfield. The Dallman Ash Pond is immediately northwest of the Lakeside Ash Pond. Placed into service prior to 1958, the Lakeside Ash Pond is primarily a diked embankment. The Lakeside Ash Pond consists of four separate ponds (i.e., three ponds formerly used for storage of lime softening sludge and the settling pond) totaling approximately 35.0 acres. The three lime softening sludge ponds were taken out of service in September 2023 with the completion of the construction of the new lime softening sludge-processing area. The Lakeside Ash Pond ceased receiving ash in 2009. The Dallman Ash Pond was placed into service in approximately 1976 and is also a diked embankment. The Dallman Ash Pond is approximately 34.5 acres and ceased receiving ash in 2021.

As of October 13, 2023, all CCR and non-CCR waste streams ceased flowing into the Lakeside Ash Pond and Dallman Ash Pond.

Status of the Groundwater Monitoring and Corrective Action Programs

Pursuant to 40 CFR 257.90(e)(6), the annual report shall provide an overview of the current status of groundwater monitoring and corrective action programs for the subject CCR unit, to include (in italics):

- 1. At the beginning of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the assessment monitoring program in §257.95;*

The CWLP facility commenced the 2024 reporting year under the assessment monitoring program requirements of §257.95.

2. *At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 and the assessment monitoring pursuant to §257.95;*

The CWLP facility completed the 2024 reporting year under the assessment monitoring program requirements of §257.95.

3. *If it was determined that there was a statistically significant increase over background for one or more constituents listed in Appendix III to this part pursuant to §257.94(e):*
 - a. *Identify those constituents listed in Appendix III to this part and the names of the monitoring wells associated with such an increase; and*

Pursuant to U.S. EPA recommendations, background concentrations for the Appendix III parameters have been recalculated using eight quarters of data from 2016 and 2017 and were incorporated into the Groundwater Monitoring Program on March 7, 2024. The background concentrations have been prepared using appropriate statistical calculations pursuant to the requirements of 40 CFR 257.93. The site specific background concentrations are provided below.

Appendix III Parameter	Units	MCL¹	Site Specific Background	Final GWPS
Boron, total	mg/L	NA	1.4973	1.4973
Calcium, total	mg/L	NA	181.6	181.6
Chloride, total	mg/L	NA	12.3	12.3
Fluoride, total	mg/L	4	0.5	4
pH	s.u.	NA	6.70 – 7.87	6.70 – 7.87
Sulfate, total	mg/L	NA	55.5	55.5
TDS	mg/L	NA	609.21	609.21

Notes:

1 - 40 CFR 141

The 2024 groundwater analytical data was evaluated for statistically significant increases (SSI). A SSI is only concluded if both samples, in a series of two, exceeds the calculated upper prediction limit (UPL) or background and maximum concentration level (MCL), the greater of which is designated the final GWPS. The sampling events occurred during the first quarter 2024 (February 21-26, 2024) and third quarter 2024 (August 12-13, 2024). Confirmation samples, where necessary, were collected during the second quarter 2024 (May 9-14, 2024) and fourth quarter 2024 (November 11-13, 2024). The groundwater analytical results for the 2024 groundwater sampling events are summarized in Table 1. The confirmed exceedances are summarized in Table 2.

The Appendix III constituents that exhibited an SSI during 2024 are as follows:

Appendix III Parameter	AP-1R	AP-2A	AP-3	AP-4	AP-5	AP-6	AP-7	AP-14	AW-1	RW-3	G120
<i>Boron, total</i>	X	X	X			X	X	X	X	X	X
<i>Calcium, total</i>	X	X						X	X		X
<i>Chloride, total</i>	X	X	X	X		X	X	X	X	X	X
<i>pH</i>	X	X	X						X		X
<i>Sulfate, total</i>	X	X	X		X			X	X		X
<i>TDS</i>	X	X	X					X	X		X

- b. Provide the date when the assessment monitoring program was initiated for the CCR unit.*

The assessment monitoring program for the CCR unit commenced with the First Quarter 2018 (February 2018) groundwater sampling event. Subsequent groundwater monitoring has been completed semiannually under the assessment monitoring program. The 2024 semiannual sampling events were completed first quarter 2024 (February 21-26, 2024) and third quarter 2023 (August 12-13, 2024).

- 4. If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in Appendix IV to this part pursuant to §257.95(g) include all of the following:*
- a. Identify those constituents listed in Appendix IV to this part and the names of the monitoring wells associated with such an increase;*

Pursuant to U.S. EPA recommendations, background concentrations for the Appendix IV parameters have been recalculated using eight quarters of data from 2016 and 2017 and were incorporated into the Groundwater Monitoring Program on March 7, 2024. Both the MCLs and published GWPSs are provided below. However, the CCR Rule states that if background is higher than these published values, then a site-specific GWPS is developed based on background.

Appendix IV Parameter	Units	MCL¹	Published GWPS²	Site Specific Background	Final GWPS
<i>Antimony, total</i>	mg/L	0.006	NA	0.001	0.006
<i>Arsenic, total</i>	mg/L	0.01	NA	0.0266	0.0266
<i>Barium, total</i>	mg/L	2	NA	0.519	2
<i>Beryllium, total</i>	mg/L	0.004	NA	0.0025	0.004
<i>Cadmium, total</i>	mg/L	0.005	NA	0.0025	0.005
<i>Chromium, total</i>	mg/L	0.1	NA	0.0653	0.1
<i>Cobalt, total</i>	mg/L	NA	0.006	0.0052	0.006
<i>Lead, total</i>	mg/L	NA	0.015	0.0075	0.015
<i>Lithium</i>	mg/L	NA	0.04	0.0124	0.04
<i>Mercury, total</i>	mg/L	0.002	NA	0.0005	0.002
<i>Molybdenum</i>	mg/L	NA	0.1	0.025	0.1
<i>Radium-226+228</i>	pCi/L	0.005	NA	3.79	3.79
<i>Selenium, total</i>	mg/L	0.05	NA	0.025	0.05
<i>Thallium</i>	mg/L	0.002	NA	0.002	0.002

Notes:

1 - 40 CFR 141

2 - Published GWPS based upon 40 CFR 257.95(h)(2)

The 2024 groundwater analytical data was evaluated for statistically significant levels (SSL). An SSL is only concluded if both samples in a series of two exceeds the calculated UPL or background and MCL.

Exceedances of the total arsenic groundwater protection standard (0.0266 mg/L) were observed at downgradient groundwater monitoring wells AP-7, AW-1 and RW-3 and exceedances of the total cobalt groundwater protection standard (0.006 mg/L) were observed at downgradient groundwater monitoring wells AP-2 and AP-3. The sampling events occurred during the first quarter 2024 (February 21-26, 2024) and third quarter 2024 (August 12-13, 2024). Confirmation samples, where necessary, were collected during the second quarter 2024 (May 9-14, 2024) and fourth quarter 2024 (November 11-13, 2024). The groundwater analytical results for the 2024 semiannual groundwater sampling events are summarized in Table 1. The exceedances are summarized in Table 2.

Appendix IV Parameter	AP-1A	AP-2R	AP-3	AP-4	AP-5	AP-6	AP-7	AP-14	AW-1	RW-3	G120
<i>Arsenic, total</i>							X		X	X	
<i>Cobalt, total</i>		X	X								

- b. Provide the date when the assessment of corrective measures was initiated for the CCR unit;*

As part of negotiations with USEPA, CWLP has agreed to prepare an assessment of corrective measures pursuant to 40 CFR 257.95(g)(3) no later than May 14, 2025.

- c. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and*

CWLP initiated assessment of potential corrective action measures in July 2021 under the Illinois CCR program. A preliminary Assessment of Corrective Measures report was placed on CWLP's Illinois public access website on October 25, 2021 for review prior to two public meetings that occurred on December 2, 2021, pursuant to State regulations. Based on the assessment of closure alternatives it has been determined that closure-in-place with a final cover system is most appropriate.

As part of negotiations with USEPA, CWLP has agreed to prepare an assessment of corrective measures pursuant to 40 CFR 257.95(g)(3) no later than May 14, 2025. A public meeting is anticipated to be conducted in 2025.

- d. Provide the date when the assessment of corrective measures was completed for the CCR unit.*

As part of negotiations with USEPA, CWLP has agreed to prepare an assessment of corrective measures pursuant to 40 CFR 257.95(g)(3) no later than May 14, 2025.

- 5. Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection; and*

Based on the October 25, 2021 Closure Alternatives Analyses prepared to address the Illinois EPA requirements of 35 Ill. Adm. Code 845, and two public meetings held on December 2, 2021, the selected remedy is closure of the CCR ash ponds-in place by installation of a final cover system.

As part of negotiations with USEPA, CWLP has agreed to prepare a Final Remedy Report within 90 days of USEPA approval of the Nature and Extent report that will be submitted no later than May 14, 2025.

- 6. Whether remedial activities were initiated or are ongoing pursuant to §257.98 during the current annual reporting period.*

Pursuant to 40 CFR 257.95(g)(5) the surface impoundments shall be closed, which is the long-term corrective measure. The surface impoundments ceased receiving CCR materials in October 2023. Since that time CWLP has conducted three geotechnical investigations in preparation of closure activities. CWLP is also currently preparing an application for modifications to the current NPDES permit to begin dewatering of the surface impoundments. Once approved by Illinois EPA, remedial activities will continue via consolidation and dewatering of CCR materials in preparation for closure.

2. GROUNDWATER MONITORING PROGRAM

As required by §257.90(b), CWLP prepared and placed into the facility record a Groundwater Monitoring Program for the CCR surface impoundments in October 2017. The Groundwater Monitoring Program was updated April 2018 (certification posted June 7, 2018) when well AW-3 was replaced. The Groundwater Monitoring Program was updated again in March 2024 (certification posted March 11, 2024) when wells AP-14, AW-1 and G120 were added to the program and background values were recalculated. The current monitoring network includes two upgradient wells (wells AP-4 and AP-5) and nine downgradient wells (AP-1R, AP-2A, AP-3, AP-6, AP-7, AP-14, AW-1, RW-3 and G120). The well locations are depicted in Figure 3.

A Groundwater Monitoring System Certification has been provided for the Groundwater Monitoring Program, placed in the site record and uploaded to the facility website, <https://www.cwlp.com/CCRCompliance.aspx>.

The following sections of the report address the annual groundwater monitoring and corrective action report requirements outlined in 40 CFR 257.90(e).

3. 40 CFR 257.90(E): KEY ACTIONS, PROBLEMS ENCOUNTERED, AND KEY ACTIVITIES FOR 2024

3.1 Key Actions

The following items identify key actions that occurred in 2024 specifically related to the Groundwater Monitoring Program.

3.1.1 Assessment Monitoring

In accordance with § 257.95(b), an Assessment Monitoring Program was implemented in February 2018 in response to the statistically significant increase (SSI) over background concentrations for one or more parameters listed in Part 257, Appendix III. Pursuant to §257.95(b), the Assessment Monitoring Program requires groundwater monitoring for all constituents listed in Appendix III and Appendix IV be monitored until detection monitoring resumes. Notification that an Assessment Monitoring Program had been established occurred in

February 2018. Groundwater protection standards were established for the detected Appendix IV parameters in July 2018.

Assessment monitoring, which includes both Part 257 Appendix III and IV List parameters, continued throughout 2024 for all wells in the monitor well network. The monitoring data are provided in Table 1 and field logs are included in Attachment 1. Appendix III and Appendix IV parameters are monitored in all wells pursuant to §257.95(f).

The results of 2024 sampling events indicate an exceedance of the GWPSs for the Appendix IV to Part 257 constituents total arsenic and total cobalt. A summary table of the exceedances is provided as Table 1. As shown, the sampling events have occurred on a quarterly basis in 2024. The exceedances of the GWPSs were previously reported and have been delineated by existing groundwater monitoring wells.

3.1.2 Assessment Monitoring Investigation

Groundwater sampling was conducted at wells AP-1A, AP-2R, AP-3, AP-4, AP-5, AP-6, AP-7, AP-14, AW-1, RW-3 and G120 on a quarterly interval during 2024. The sampling events occurred during the first quarter 2024 (February 21-26, 2024) and third quarter 2024 (August 12-13, 2024). Confirmation samples, where necessary, were collected during the second quarter 2024 second quarter 2024 (May 9-14, 2024) and fourth quarter 2024 (November 11-13, 2024).

For the 40 CFR 257 monitoring program, three temporary assessment wells T-4, T-5 and T-6 were installed in locations immediately north of the Dallman Ash Pond and north of Sugar Creek for the purpose of an alternate source demonstration and/or determination of the nature and extent of elevated concentrations identified previously. The screen intervals were set at the bedrock interface, consistent with the existing downgradient wells (see Figure 3).

Groundwater samples were collected from these temporary assessment wells during the second, third and fourth quarters of 2024. The nature and extent of the total arsenic SSL's at well AP-7 were characterized by the groundwater sampling results at these temporary assessment wells. The concentrations of total arsenic at well T-4 were 0.0013, 0.0055 and 0.0055 mg/L for the second through fourth quarters 2024, respectively. The concentrations of total arsenic at well T-5 were non-detect (<0.001), non-detect (<0.001) and 0.0016 mg/L for the second through fourth quarters 2024, respectively. The concentrations of total arsenic at well T-6 were 0.0076, 0.0108 and 0.0158 mg/L for the second through fourth quarters 2024, respectively. As discussed above in Section 1, the detections of total arsenic at well AP-7 during 2024 range from 0.0395 mg/L to 0.0947 mg/L. Based on the total arsenic concentrations observed at these temporary assessment wells, the nature and extent of total arsenic at AP-7 has been adequately characterized.

An alternate source demonstration was completed for SSLs for arsenic occurring in 2024 in accordance with §257.94(e)(2) and §257.95(g)(3)(ii). The alternate source demonstration, dated October 28, 2024, addresses the first semi-annual 2024 sampling event exceedances observed for total arsenic at monitoring well AP-7. The groundwater protection standard for total arsenic (0.0266mg/L) was exceeded at groundwater monitoring well AP-7 for the first, second, third and fourth quarter 2024 sampling events at concentrations of 0.0555, 0.0395, 0.0438 and 0.0947 mg/L, respectively.

Assessment monitoring shall continue at the CWLP CCR surface impoundments pursuant to §257.95(f).

3.2 Assessment of Corrective Measures

As part of negotiations with USEPA, CWLP has agreed to prepare an assessment of corrective measures pursuant to 40 CFR 257.95(g)(3) no later than May 14, 2025.

3.3 Problems Encountered

All activities which occurred in 2024 were discussed in Section 3.1 and 3.2 above. No problems were encountered.

3.4 Key Activities for Upcoming Year (2025)

CWLP will be conducting the following activities in 2025:

- Incorporating monitoring wells AP-8 and AP-10 into the 40 CFR 257 monitoring network
- Amending the 40 CFR 257 Groundwater Monitoring Program with updated backgrounds and updated sampling and analysis plans
- Conducting a Flow Path Analysis
- Preparing a GWPS exceedance report
- Preparing a single notification of all SSL's identified in the GWPS exceedance report
- Completion of either an alternate source demonstration or characterization of the nature and extent of constituents identified in the GWPS exceedance report
- Preparing an Assessment of Corrective Measures for arsenic and cobalt
- Preparing revised closure and post-closure plans for the surface impoundments
- Providing Interim Measures Assessments

4. 40 CFR 257.90(E)(1) – (5)

Additional requirements for the Annual Groundwater Monitoring and Corrective Action Report are detailed in 40 CFR 257.90(e)(1)-(5). Each of the requirements is reproduced below along with the response.

- (1) A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers that are part of the groundwater monitoring program for the CCR unit.

A map of the key features required above is provided as Figure 2 to this annual report.

- (2) Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken.

No wells were decommissioned from the 40 CFR Part 257 groundwater monitoring system in 2024. CWLP installed three monitoring wells (T-4, T-5 and T-6) as part of additional investigations related the nature and extent and alternate source demonstrations as discussed in Section 3.1 above.

- (3) All data collected as part of the detection or assessment monitoring programs in 2024.

Assessment monitoring data collected for 2024 is provided in Table 1. The table includes the sample dates and identifies the Appendix III and Appendix IV parameters. Field logs are included in Attachment 1.

- (4) Discussion of any transition between monitoring programs including the dates of the transition and the identification of the constituent(s) that necessitated the initiation of assessment monitoring.

In accordance with §257.95, an Assessment Monitoring Program was implemented in February 2018 in response to the statistically significant increase (SSI) over background levels for arsenic and continued in 2024 for both arsenic and cobalt.

- (5) Other information required to be included in the annual report as specified in §§257.90 through 257.98.

- a. Alternative monitoring frequency certification in accordance with §§257.94(d)(3) and 257.95(c)(3).

No alternative monitoring frequency has been implemented at this time. Therefore, no certification is required.

- b. Any alternate source demonstration completed in response to any statistically significant increases completed during the previous year in accordance with §257.94(e)(2) and §257.95(g)(3)(ii).

An alternate source demonstration was completed in accordance with §257.94(e)(2) and §257.95(g)(3)(ii). The alternate source demonstration, dated October 28, 2024, addressed the first semi-annual 2024 sampling event exceedances observed for total arsenic at monitoring well AP-7.

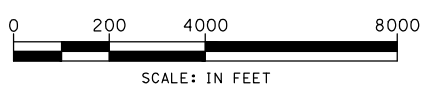
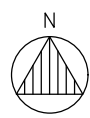
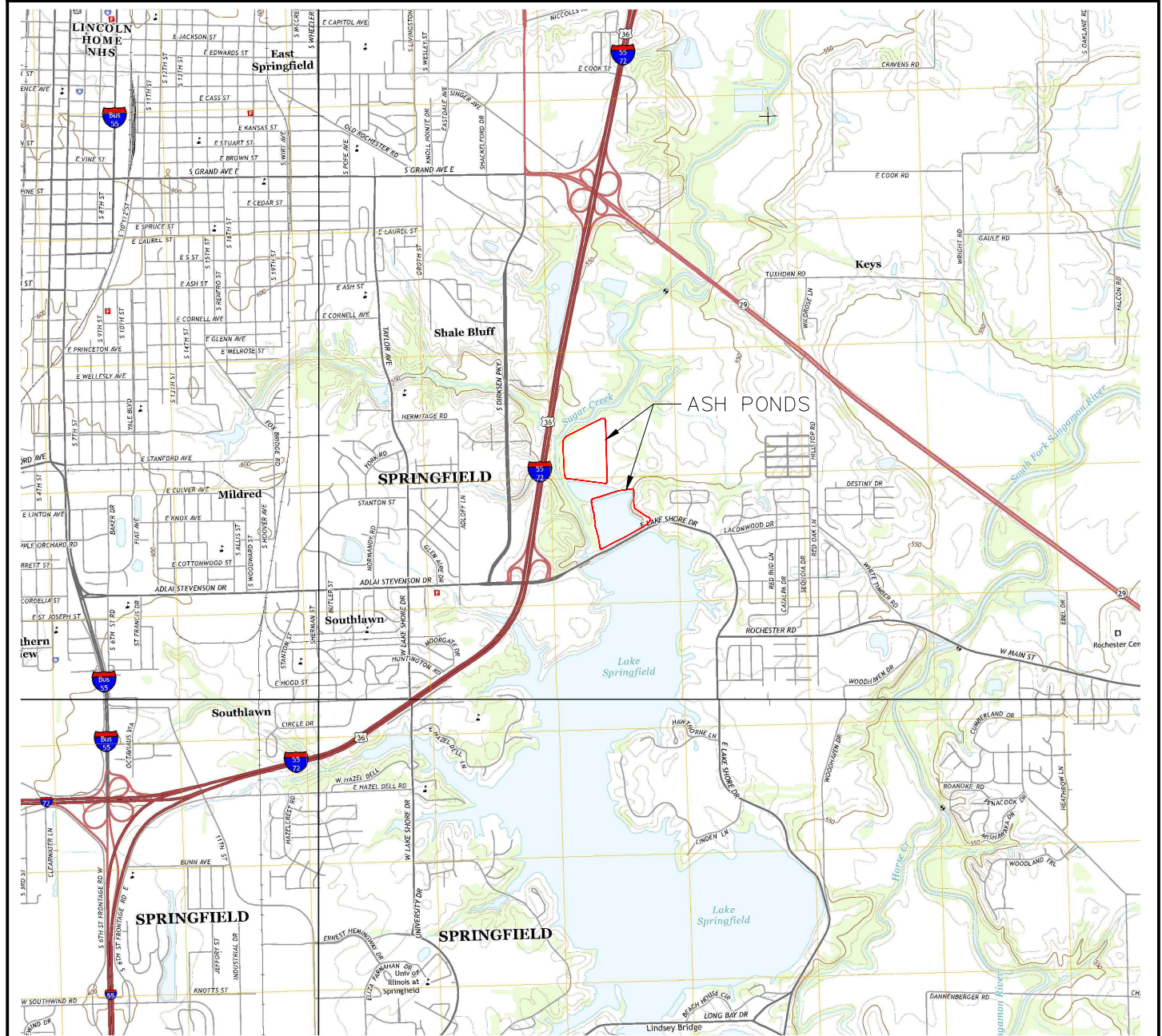
- c. Assessment of corrective measures completed during the previous year in accordance with §257.96(a).

No assessment of corrective measures was completed in 2024.

5. CONCLUSION

This annual groundwater monitoring and corrective action report has been provided in accordance with §257.90(e). The annual report for monitoring year 2025 will be provided by January 31, 2026.

FIGURES



NOTE:
BACKGROUND IMAGE COURTESY OF
UNITED STATES GEOLOGICAL SURVEY.

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MD

SITE LOCATION

PLANS PREPARED FOR
CITY, WATER, LIGHT & POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE:
JANUARY 2025

PROJECT ID:
240227/0006

SHEET NUMBER:
FIGURE 1

APPROVED BY: KWF DESIGNED BY: KWF DRAWN BY: BCK

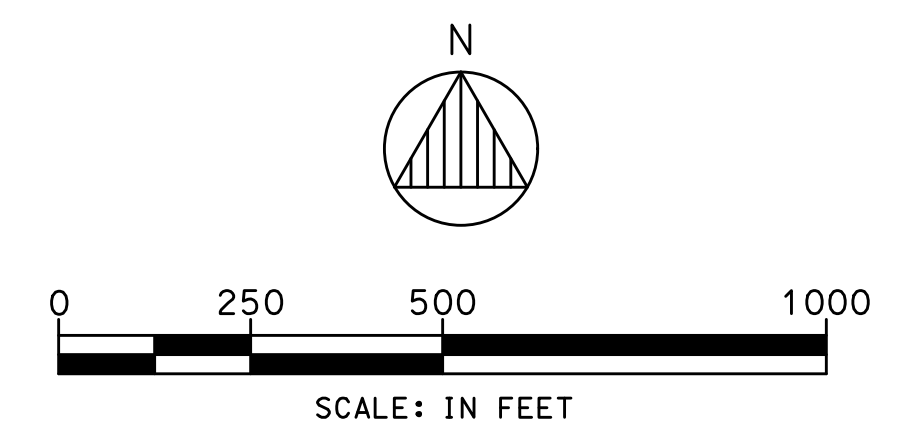
Tab: FIGURE 2 NEW - Last Saved: October 24, 2024, by Ben Korpus
 d:\S\Springfield CWP\CWP_Ash_Pond\DWG\2024\Site_Plan_Map.dwg
 Plotted: Thursday, October 24, 2024, 12:11:50 PM



NOTE

1. AERIAL IMAGE FROM APRIL 7, 2024, FROM GOOGLE EARTH.

- LEGEND**
- POND/LANDFILL BOUNDARY
 - ACCESS ROADS
 - IMPOUNDMENT BOUNDARY
 - ▲ TEMPORARY ASSESSMENT WELL
 - GROUNDWATER MONITORING WELL



NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
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APPROVED BY: BJH DESIGNED BY: BJH DRAWN BY: BCK

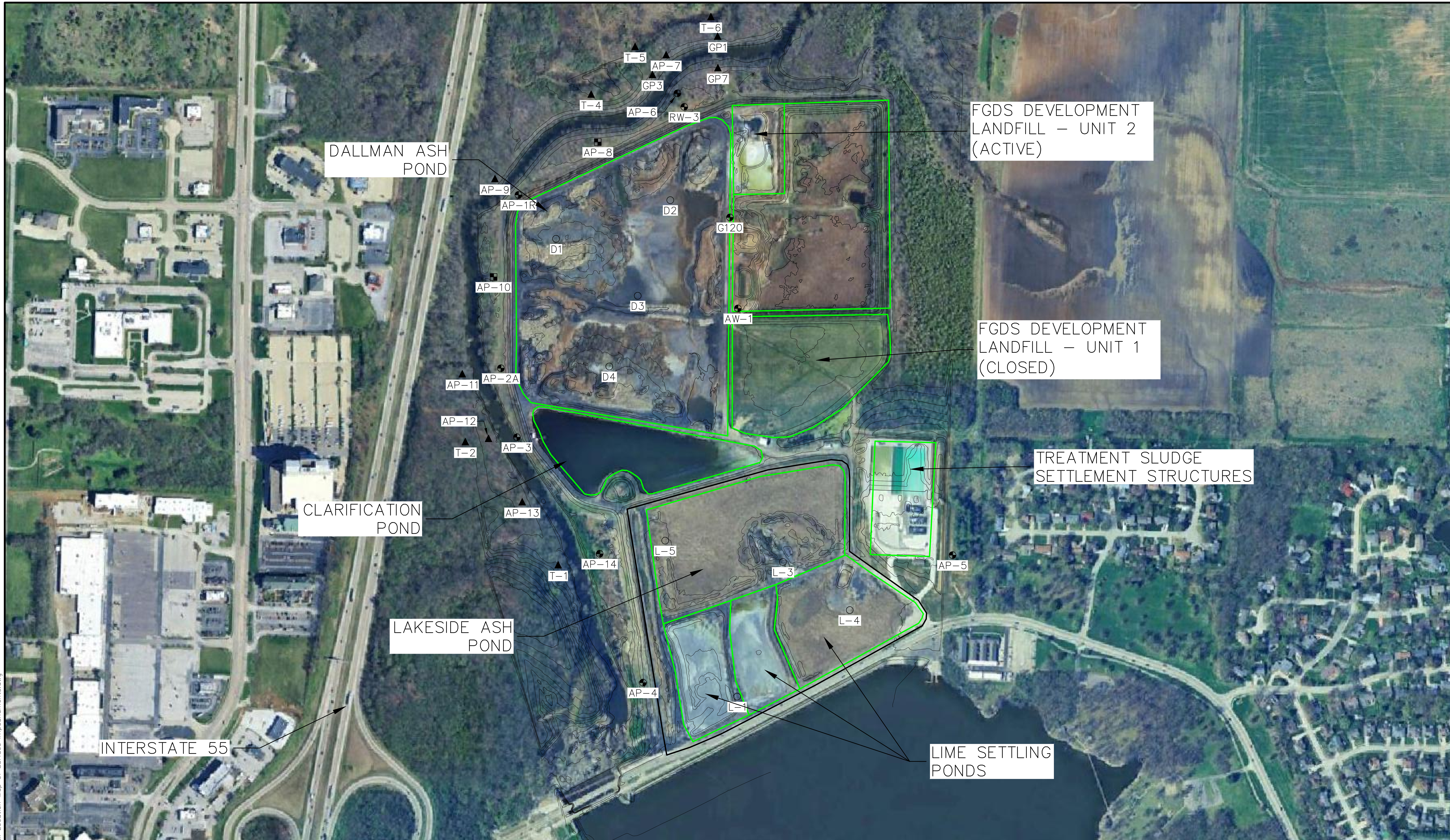
SITE FEATURES WITH CURRENT MONITOR WELL NETWORK

PREPARED FOR
 CITY, WATER, LIGHT AND POWER
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: OCTOBER 2024
 PROJECT ID: 240227/0001
 SHEET NUMBER:
FIG. 2

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Tab: FIGURE 3 - Last Saved: October 24, 2024, by Ben Karpus - Plotted: Thursday, October 24, 2024 10:02:46 AM
 J:\Springfield\CWP\Ash Pond\DWG\2024 Well Location Map of Surface Impoundments.dwg

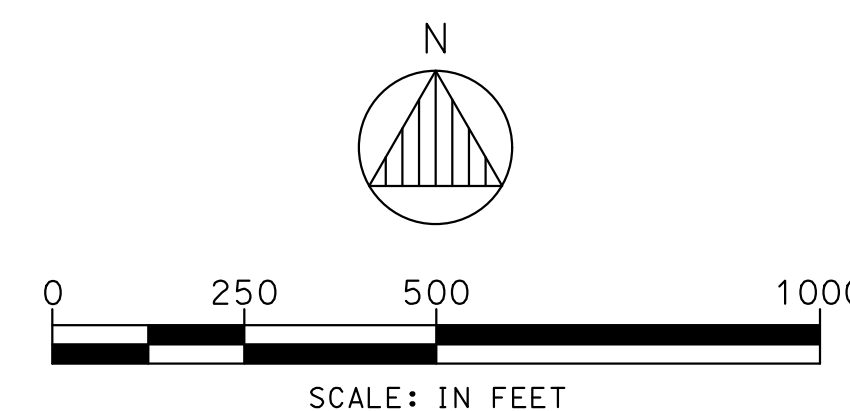


LEGEND

- POND/LANDFILL BOUNDARY
- IMPOUNDMENT BOUNDARY
- ▲ TEMPORARY ASSESSMENT WELL
- PIEZOMETER
- ⊙ PART 257 GROUNDWATER MONITORING WELL
- PART 845 GROUNDWATER MONITORING WELL

NOTE

1. AERIAL IMAGE FROM APRIL 7, 2024, FROM GOOGLE EARTH.



NO.	DATE	REVISION DESCRIPTION	BY

APPROVED BY: MTH DESIGNED BY: MTH DRAWN BY: BCK
 PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, OR

ANDREWS ENGINEERING
 3300 GINGER CREEK DRIVE
 SPRINGFIELD, ILLINOIS 62711-7233
 PH (217) 787-2334 WWW.ANDREWS-ENG.COM

WELL LOCATION MAP OF SURFACE IMPOUNDMENTS
 PREPARED FOR
 CITY WATER, LIGHT, AND POWER
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: OCTOBER 2024
 PROJECT ID: 240227/0010
 SHEET NUMBER:
FIG. 3

TABLES

Table 1:
2024 Groundwater Analytical
Results Summary Table

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Summary Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix III									
AP-1	Boron, total	mg/L	--	--	0.14973	23.5	22.7	22.9	23.6
AP-2	Boron, total	mg/L	--	--	0.14973	3.38	3.43	3.1	3.52
AP-3	Boron, total	mg/L	--	--	0.14973	14.8	14.5	14.6	14.9
AP-4	Boron, total	mg/L	--	--	0.14973	0.0871	0.0834	0.0825	0.082
AP-5	Boron, total	mg/L	--	--	0.14973	0.0434	0.0269	0.0339	0.0326
AP-6	Boron, total	mg/L	--	--	0.14973	0.171	0.238	0.25	0.248
AP-7	Boron, total	mg/L	--	--	0.14973	0.173	0.0978	0.244	0.332
AP-14	Boron, total	mg/L	--	--	0.14973	21.6	22.3	20	21
AW-1	Boron, total	mg/L	--	--	0.14973	8.24	9.44	9.19	8.91
RW-3	Boron, total	mg/L	--	--	0.14973	0.116	0.154	0.122	0.137
G120	Boron, total	mg/L	--	--	0.14973	7.12	7.43	7.71	7.5
T-4	Boron, total	mg/L	--	--	0.14973		0.0304	0.0537	0.0565
T-5	Boron, total	mg/L	--	--	0.14973		0.0639	0.0843	0.0791
T-6	Boron, total	mg/L	--	--	0.14973		0.201	0.214	0.21
AP-1	Calcium, total	mg/L	--	--	181.6	250	248	244	237
AP-2	Calcium, total	mg/L	--	--	181.6	210	194	206	222
AP-3	Calcium, total	mg/L	--	--	181.6	177	176	175	185
AP-4	Calcium, total	mg/L	--	--	181.6	119	123	118	< 0.1
AP-5	Calcium, total	mg/L	--	--	181.6	96.7	94.1	96.3	92.6
AP-6	Calcium, total	mg/L	--	--	181.6	61.4	65.8	65.6	66
AP-7	Calcium, total	mg/L	--	--	181.6	55.6	52.3	59.5	61.9
AP-14	Calcium, total	mg/L	--	--	181.6	263	245	237	253
AW-1	Calcium, total	mg/L	--	--	181.6	203	200	186	193
RW-3	Calcium, total	mg/L	--	--	181.6	63.4	65.6	63.2	67.2
G120	Calcium, total	mg/L	--	--	181.6	265	259	240	263
T-4	Calcium, total	mg/L	--	--	181.6		62.7	77.3	96.8
T-5	Calcium, total	mg/L	--	--	181.6		65.4	64.6	70.3
T-6	Calcium, total	mg/L	--	--	181.6		91.3	84.3	91.4
AP-1	Chloride, total	mg/L	--	--	12.3	54	29	59	52.1
AP-2	Chloride, total	mg/L	--	--	12.3	39	36	39	35.1
AP-3	Chloride, total	mg/L	--	--	12.3	54	53	55.9	59.5
AP-4	Chloride, total	mg/L	--	--	12.3	13	13	15	12.3
AP-5	Chloride, total	mg/L	--	--	12.3	8	8	8	7.59
AP-6	Chloride, total	mg/L	--	--	12.3	30	33	37	34.5
AP-7	Chloride, total	mg/L	--	--	12.3	42	43	50	62.1
AP-14	Chloride, total	mg/L	--	--	12.3	82	83	92	94
AW-1	Chloride, total	mg/L	--	--	12.3	40	40	41	37.3
RW-3	Chloride, total	mg/L	--	--	12.3	27	28	29	25.1
G120	Chloride, total	mg/L	--	--	12.3	39	39	41	37.4
T-4	Chloride, total	mg/L	--	--	12.3		< 4	< 4	< 5
T-5	Chloride, total	mg/L	--	--	12.3		< 4	< 4	< 5
T-6	Chloride, total	mg/L	--	--	12.3		21	24	19.4
AP-1	Fluoride, total	mg/L	4	--	0.5	0.18	0.19	0.2	< 0.5
AP-2	Fluoride, total	mg/L	4	--	0.5	0.21	0.23	0.25	< 0.5
AP-3	Fluoride, total	mg/L	4	--	0.5	0.17	0.19	< 0.5	< 0.5
AP-4	Fluoride, total	mg/L	4	--	0.5	0.16	0.13	0.15	< 0.5
AP-5	Fluoride, total	mg/L	4	--	0.5	0.28	0.29	0.32	< 0.5
AP-6	Fluoride, total	mg/L	4	--	0.5	0.37	0.48	0.56	< 0.5
AP-7	Fluoride, total	mg/L	4	--	0.5	0.44	0.38	0.46	< 0.5
AP-14	Fluoride, total	mg/L	4	--	0.5	0.3	0.24	0.28	< 0.5
AW-1	Fluoride, total	mg/L	4	--	0.5	< 0.1	< 0.1	< 0.1	< 0.5
RW-3	Fluoride, total	mg/L	4	--	0.5	0.37	0.4	0.43	< 0.5
G120	Fluoride, total	mg/L	4	--	0.5	0.17	0.16	0.16	< 0.5
T-4	Fluoride, total	mg/L	4	--	0.5		0.26	0.32	< 0.5
T-5	Fluoride, total	mg/L	4	--	0.5		0.18	0.22	< 0.5
T-6	Fluoride, total	mg/L	4	--	0.5		0.28	0.32	< 0.5

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Summary Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix III (cont.)									
AP-1	pH	s.u.	--	--	6.7 - 7.87	6.51	6.31	6.7	6.54
AP-2	pH	s.u.	--	--	6.7 - 7.87	6.41	6.21	6.58	6.41
AP-3	pH	s.u.	--	--	6.7 - 7.87	6.55	6.36	6.2	6.48
AP-4	pH	s.u.	--	--	6.7 - 7.87	6.86	6.83	6.97	6.82
AP-5	pH	s.u.	--	--	6.7 - 7.87	7.01	6.99	7.07	6.9
AP-6	pH	s.u.	--	--	6.7 - 7.87	6.97	7.27	7.16	7
AP-7	pH	s.u.	--	--	6.7 - 7.87	7.15	7.15	7.2	7.17
AP-14	pH	s.u.	--	--	6.7 - 7.87	6.93	6.95	6.76	6.93
AW-1	pH	s.u.	--	--	6.7 - 7.87	6.55	6.58	6.58	6.56
RW-3	pH	s.u.	--	--	6.7 - 7.87	7.1	6.7	7.23	7.13
G120	pH	s.u.	--	--	6.7 - 7.87	6.47	6.65	6.81	6.55
T-4	pH	s.u.	--	--	6.7 - 7.87		6.31	6.68	6.65
T-5	pH	s.u.	--	--	6.7 - 7.87		6.62	6.86	6.82
T-6	pH	s.u.	--	--	6.7 - 7.87		6.56	6.77	6.97
AP-1	Sulfate, total	mg/L	--	--	55.5	790	805	836	849
AP-2	Sulfate, total	mg/L	--	--	55.5	393	411	417	440
AP-3	Sulfate, total	mg/L	--	--	55.5	512	493	554	558
AP-4	Sulfate, total	mg/L	--	--	55.5	11	< 10	< 10	< 10
AP-5	Sulfate, total	mg/L	--	--	55.5	50	43	63	59.2
AP-6	Sulfate, total	mg/L	--	--	55.5	14	< 10	11	< 10
AP-7	Sulfate, total	mg/L	--	--	55.5	17	11	14	< 10
AP-14	Sulfate, total	mg/L	--	--	55.5	679	740	821	909
AW-1	Sulfate, total	mg/L	--	--	55.5	369	401	406	388
RW-3	Sulfate, total	mg/L	--	--	55.5	14	< 10	14	< 10
G120	Sulfate, total	mg/L	--	--	55.5	503	535	534	565
T-4	Sulfate, total	mg/L	--	--	55.5		87	100	104
T-5	Sulfate, total	mg/L	--	--	55.5		27	40	40.4
T-6	Sulfate, total	mg/L	--	--	55.5		< 10	11	< 10
AP-1	Total Dissolved Solids	mg/L	--	--	609.21	1400	1490	1530	1640
AP-2	Total Dissolved Solids	mg/L	--	--	609.21	1020	1040	1110	1160
AP-3	Total Dissolved Solids	mg/L	--	--	609.21	935	1040	1170	1160
AP-4	Total Dissolved Solids	mg/L	--	--	609.21	520	500	510	565
AP-5	Total Dissolved Solids	mg/L	--	--	609.21	434	405	422	470
AP-6	Total Dissolved Solids	mg/L	--	--	609.21	380	390	396	445
AP-7	Total Dissolved Solids	mg/L	--	--	609.21	330	340	386	470
AP-14	Total Dissolved Solids	mg/L	--	--	609.21	1510	1480	1610	1840
AW-1	Total Dissolved Solids	mg/L	--	--	609.21	1120	1010	1190	1100
RW-3	Total Dissolved Solids	mg/L	--	--	609.21	335	345	344	470
G120	Total Dissolved Solids	mg/L	--	--	609.21	1320	1320	1450	1430
T-4	Total Dissolved Solids	mg/L	--	--	609.21		255	382	695
T-5	Total Dissolved Solids	mg/L	--	--	609.21		280	338	382
T-6	Total Dissolved Solids	mg/L	--	--	609.21		475	494	595

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Summary Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix IV									
AP-1	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
AP-2	Antimony, total	mg/L	0.006	--	0.001	< 0.001	0.0021	< 0.001	< 0.001
AP-3	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
AP-4	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
AP-5	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
AP-6	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	0.0021
AP-7	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	0.0016	< 0.001
AP-14	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
AW-1	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	0.0016	< 0.001
RW-3	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
G120	Antimony, total	mg/L	0.006	--	0.001	< 0.001	< 0.001	< 0.001	< 0.001
T-4	Antimony, total	mg/L	0.006	--	0.001		0.0013	< 0.001	< 0.001
T-5	Antimony, total	mg/L	0.006	--	0.001		< 0.001	< 0.001	< 0.001
T-6	Antimony, total	mg/L	0.006	--	0.001		< 0.001	< 0.001	< 0.001
AP-1	Arsenic, total	mg/L	0.01	--	0.0266	< 0.001	< 0.001	< 0.001	< 0.001
AP-2	Arsenic, total	mg/L	0.01	--	0.0266	0.0027	0.002	0.0031	0.0016
AP-3	Arsenic, total	mg/L	0.01	--	0.0266	0.0101	0.0021	0.008	0.0182
AP-4	Arsenic, total	mg/L	0.01	--	0.0266	0.0375	0.0229	0.0207	0.0246
AP-5	Arsenic, total	mg/L	0.01	--	0.0266	< 0.001	< 0.001	< 0.001	< 0.001
AP-6	Arsenic, total	mg/L	0.01	--	0.0266	0.0068	0.0121	0.0074	0.0108
AP-7	Arsenic, total	mg/L	0.01	--	0.0266	0.0555	0.0395	0.0438	0.0947
AP-14	Arsenic, total	mg/L	0.01	--	0.0266	0.0039	0.0019	0.0016	0.0022
RW-3	Arsenic, total	mg/L	0.01	--	0.0266	0.306	0.188	0.107	0.214
G120	Arsenic, total	mg/L	0.01	--	0.0266	0.0116	0.0121	0.0104	0.0119
T-4	Arsenic, total	mg/L	0.01	--	0.0266		0.0013	0.0055	0.0055
T-5	Arsenic, total	mg/L	0.01	--	0.0266		< 0.001	< 0.001	0.0016
T-6	Arsenic, total	mg/L	0.01	--	0.0266		0.0076	0.0108	0.0158
AW-1	Arsenic, total *	mg/L	0.01	--	0.0266	0.16	0.153	0.129	0.168
AP-1	Barium, total	mg/L	2	--	0.51918	0.292	0.3	0.269	0.269
AP-2	Barium, total	mg/L	2	--	0.51918	0.0678	0.0607	0.0751	0.0727
AP-3	Barium, total	mg/L	2	--	0.51918	0.0952	0.0767	0.102	0.132
AP-4	Barium, total	mg/L	2	--	0.51918	0.39	0.407	0.374	0.39
AP-5	Barium, total	mg/L	2	--	0.51918	0.0515	0.051	0.0521	0.0525
AP-6	Barium, total	mg/L	2	--	0.51918	0.119	0.147	0.152	0.154
AP-7	Barium, total	mg/L	2	--	0.51918	0.118	0.0915	0.108	0.148
AP-14	Barium, total	mg/L	2	--	0.51918	0.0422	0.0329	0.0371	0.0413
AW-1	Barium, total	mg/L	2	--	0.51918	2.02	1.48	0.602	0.446
RW-3	Barium, total	mg/L	2	--	0.51918	0.166	0.143	0.146	0.18
G120	Barium, total	mg/L	2	--	0.51918	0.628	0.681	0.614	0.565
T-4	Barium, total	mg/L	2	--	0.51918		0.0382	0.0562	0.0578
T-5	Barium, total	mg/L	2	--	0.51918		0.0478	0.0538	0.0564
T-6	Barium, total	mg/L	2	--	0.51918		0.314	0.323	0.306
AP-1	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-2	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-3	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-4	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-5	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-6	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-7	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-14	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AW-1	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
RW-3	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
G120	Beryllium, total	mg/L	0.004	--	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
T-4	Beryllium, total	mg/L	0.004	--	0.0025		< 0.0005	< 0.0005	< 0.0005
T-5	Beryllium, total	mg/L	0.004	--	0.0025		< 0.0005	< 0.0005	< 0.0005
T-6	Beryllium, total	mg/L	0.004	--	0.0025		< 0.0005	< 0.0005	< 0.0005

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Summary Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix IV (cont.)									
AP-1	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-2	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-3	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-4	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-5	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-6	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-7	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AP-14	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
AW-1	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
RW-3	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
G120	Cadmium, total	mg/L	0.005	--	0.0025	< 0.002	< 0.002	< 0.002	< 0.002
T-4	Cadmium, total	mg/L	0.005	--	0.0025		< 0.002	< 0.002	< 0.002
T-5	Cadmium, total	mg/L	0.005	--	0.0025		< 0.002	< 0.002	< 0.002
T-6	Cadmium, total	mg/L	0.005	--	0.0025		< 0.002	< 0.002	< 0.002
AP-1	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-2	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-3	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-4	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-5	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-6	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-7	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AP-14	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
AW-1	Chromium, total	mg/L	0.1	--	0.0653	0.0087	0.0105	< 0.005	< 0.005
RW-3	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
G120	Chromium, total	mg/L	0.1	--	0.0653	< 0.005	< 0.005	< 0.005	< 0.005
T-4	Chromium, total	mg/L	0.1	--	0.0653		< 0.005	< 0.005	< 0.005
T-5	Chromium, total	mg/L	0.1	--	0.0653		< 0.005	< 0.005	< 0.005
T-6	Chromium, total	mg/L	0.1	--	0.0653		< 0.005	< 0.005	< 0.005
AP-1	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
AP-2	Cobalt, total	mg/L	--	0.006	0.0052	0.0068	0.0102	0.0073	0.0085
AP-3	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	0.0065	0.0071	< 0.005
AP-4	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
AP-5	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
AP-6	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
AP-7	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
AP-14	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
AW-1	Cobalt, total	mg/L	--	0.006	0.0052	0.0055	< 0.005	< 0.005	< 0.005
RW-3	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
G120	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	< 0.005	< 0.005	< 0.005
T-4	Cobalt, total	mg/L	--	0.006	0.0052		< 0.005	0.005	< 0.005
T-5	Cobalt, total	mg/L	--	0.006	0.0052		< 0.005	< 0.005	< 0.005
T-6	Cobalt, total	mg/L	--	0.006	0.0052		< 0.005	< 0.005	< 0.005
AP-1	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-2	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-3	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-4	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-5	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-6	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-7	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AP-14	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
AW-1	Lead, total	mg/L	--	0.015	0.0075	< 0.015	0.0051	< 0.0075	< 0.0075
RW-3	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.015	< 0.0075	< 0.0075
G120	Lead, total	mg/L	--	0.015	0.0075	< 0.015	< 0.001	< 0.0075	< 0.0075
T-4	Lead, total	mg/L	--	0.015	0.0075		< 0.015	< 0.0075	< 0.0075
T-5	Lead, total	mg/L	--	0.015	0.0075		< 0.015	< 0.0075	< 0.0075
T-6	Lead, total	mg/L	--	0.015	0.0075		< 0.015	< 0.0075	< 0.0075

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Summary Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix IV (cont.)									
AP-1	Lithium	mg/L	--	0.04	0.0124	0.0099	< 0.05	0.0103	0.0094
AP-2	Lithium	mg/L	--	0.04	0.0124	0.0059	< 0.05	0.0081	0.0068
AP-3	Lithium	mg/L	--	0.04	0.0124	0.0062	< 0.05	0.0064	0.0062
AP-4	Lithium	mg/L	--	0.04	0.0124	0.0076	< 0.05	0.0072	0.0077
AP-5	Lithium	mg/L	--	0.04	0.0124	< 0.005	< 0.05	0.0062	0.0043
AP-6	Lithium	mg/L	--	0.04	0.0124	< 0.005	< 0.05	0.0098	0.0104
AP-7	Lithium	mg/L	--	0.04	0.0124	< 0.005	< 0.05	0.0063	0.0079
AP-14	Lithium	mg/L	--	0.04	0.0124	0.0076	< 0.05	0.0078	0.0072
AW-1	Lithium	mg/L	--	0.04	0.0124	0.0184		0.0145	0.0113
RW-3	Lithium	mg/L	--	0.04	0.0124	< 0.005	< 0.05	0.0038	0.0047
G120	Lithium	mg/L	--	0.04	0.0124	0.008		0.0081	0.0086
T-4	Lithium	mg/L	--	0.04	0.0124		< 0.05	0.0164	0.0161
T-5	Lithium	mg/L	--	0.04	0.0124		< 0.05	0.0095	0.0109
T-6	Lithium	mg/L	--	0.04	0.0124		< 0.05	0.0149	0.0134
AP-1	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-2	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-3	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-4	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-5	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-6	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-7	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-14	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AW-1	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
RW-3	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
G120	Mercury, total	mg/L	0.002	--	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002
T-4	Mercury, total	mg/L	0.002	--	0.0005		< 0.0002	< 0.0002	< 0.0002
T-5	Mercury, total	mg/L	0.002	--	0.0005		< 0.0002	< 0.0002	< 0.0002
T-6	Mercury, total	mg/L	0.002	--	0.0005		< 0.0002	< 0.0002	< 0.0002
AP-1	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-2	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-3	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-4	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-5	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-6	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-7	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AP-14	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
AW-1	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01		< 0.01	< 0.01
RW-3	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01	< 0.01	< 0.01	< 0.01
G120	Molybdenum, total	mg/L	--	0.1	0.025	< 0.01		< 0.01	< 0.01
T-4	Molybdenum, total	mg/L	--	0.1	0.025		< 0.01	< 0.01	< 0.01
T-5	Molybdenum, total	mg/L	--	0.1	0.025		< 0.01	< 0.01	< 0.01
T-6	Molybdenum, total	mg/L	--	0.1	0.025		< 0.01	< 0.01	< 0.01
AP-1	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	1.23
AP-2	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	< 1
AP-3	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 1	< 1
AP-4	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	< 1
AP-5	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	< 1
AP-6	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	< 1
AP-7	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	< 1
AP-14	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	< 1
AW-1	Radium-226 + Radium-228	pCi/L	5	--	3.79	3.39		< 2	1.17
RW-3	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 2	< 1	< 2	1.23
G120	Radium-226 + Radium-228	pCi/L	5	--	3.79	< 1		< 2	3.52
T-4	Radium-226 + Radium-228	pCi/L	5	--	3.79		< 1	< 2	< 1
T-5	Radium-226 + Radium-228	pCi/L	5	--	3.79		< 1	< 2	< 1
T-6	Radium-226 + Radium-228	pCi/L	5	--	3.79		< 1	< 2	1.08

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Summary Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix IV (cont.)									
AP-1	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
AP-2	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
AP-3	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
AP-4	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
AP-5	Selenium, total	mg/L	0.05	--	0.025	0.0011	< 0.001	< 0.001	< 0.001
AP-6	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	0.0022
AP-7	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
AP-14	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
AW-1	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.04	< 0.001	< 0.001
RW-3	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.001	< 0.001	< 0.001
G120	Selenium, total	mg/L	0.05	--	0.025	< 0.001	< 0.04	< 0.001	< 0.001
T-4	Selenium, total	mg/L	0.05	--	0.025		0.0012	< 0.001	< 0.001
T-5	Selenium, total	mg/L	0.05	--	0.025		< 0.001	< 0.001	0.0012
T-6	Selenium, total	mg/L	0.05	--	0.025		< 0.001	< 0.001	< 0.001
AP-1	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-2	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-3	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-4	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-5	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-6	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-7	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AP-14	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
AW-1	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
RW-3	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
G120	Thallium, total	mg/L	0.002	--	0.002	< 0.002	< 0.002	< 0.002	< 0.002
T-4	Thallium, total	mg/L	0.002	--	0.002		< 0.002	< 0.002	< 0.002
T-5	Thallium, total	mg/L	0.002	--	0.002		< 0.002	< 0.002	< 0.002
T-6	Thallium, total	mg/L	0.002	--	0.002		< 0.002	< 0.002	< 0.002

Notes:

1. A shaded value indicates an exceedance of the higher of the MCL and the Background. The comparison value that was used is in bold font.
2. The 40 CFR 257 list requires Radium-226 and Radium-228 combined. The established MCL is for the combined parameters. However, these parameters require two separate analysis and have been reported separately by the analytical laboratory. The sum of the values has been provided and compared to the MCL. Background values have been calculated for the individual parameters (Radium-226 = 1.41 pCi/L and Radium-228 = 2.38 pCi/L).
3. * An intrawell value of 0.2496 mg/L has been proposed for total arsenic at well AW-1 in pending application Log No. 2024-415.

Table 2:
2024 Groundwater Analytical Results
Exceedance Summary Table

**City Water, Light and Power
Power Plant Ash Impoundment
2024 Groundwater Analytical Exceedance Data**

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2024-Q1	2024-Q2	2024-Q3	2024-Q4
Appendix III									
AP-1	Boron, total	mg/L	--	--	0.14973	23.5	22.7	22.9	23.6
AP-2	Boron, total	mg/L	--	--	0.14973	3.38	3.43	3.1	3.52
AP-3	Boron, total	mg/L	--	--	0.14973	14.8	14.5	14.6	14.9
AP-6	Boron, total	mg/L	--	--	0.14973	0.171	0.238	0.25	0.248
AP-7	Boron, total	mg/L	--	--	0.14973	0.173	0.0978	0.244	0.332
AP-14	Boron, total	mg/L	--	--	0.14973	21.6	22.3	20	21
AW-1	Boron, total	mg/L	--	--	0.14973	8.24	9.44	9.19	8.91
G120	Boron, total	mg/L	--	--	0.14973	7.12	7.43	7.71	7.5
T-6	Boron, total	mg/L	--	--	0.14973		0.201	0.214	0.21
AP-1	Calcium, total	mg/L	--	--	181.6	250	248	244	237
AP-2	Calcium, total	mg/L	--	--	181.6	210	194	206	222
AP-14	Calcium, total	mg/L	--	--	181.6	263	245	237	253
AW-1	Calcium, total	mg/L	--	--	181.6	203	200	186	193
G120	Calcium, total	mg/L	--	--	181.6	265	259	240	263
AP-1	Chloride, total	mg/L	--	--	12.3	54	29	59	52.1
AP-2	Chloride, total	mg/L	--	--	12.3	39	36	39	35.1
AP-3	Chloride, total	mg/L	--	--	12.3	54	53	55.9	59.5
AP-4	Chloride, total	mg/L	--	--	12.3	13	13	15	12.3
AP-6	Chloride, total	mg/L	--	--	12.3	30	33	37	34.5
AP-7	Chloride, total	mg/L	--	--	12.3	42	43	50	62.1
AP-14	Chloride, total	mg/L	--	--	12.3	82	83	92	94
AW-1	Chloride, total	mg/L	--	--	12.3	40	40	41	37.3
RW-3	Chloride, total	mg/L	--	--	12.3	27	28	29	25.1
G120	Chloride, total	mg/L	--	--	12.3	39	39	41	37.4
T-6	Chloride, total	mg/L	--	--	12.3		21	24	19.4
AP-1	pH	s.u.	--	--	6.7 - 7.87	6.51	6.31	6.7	6.54
AP-2	pH	s.u.	--	--	6.7 - 7.87	6.41	6.21	6.58	6.41
AP-3	pH	s.u.	--	--	6.7 - 7.87	6.55	6.36	6.2	6.48
AW-1	pH	s.u.	--	--	6.7 - 7.87	6.55	6.58	6.58	6.56
G120	pH	s.u.	--	--	6.7 - 7.87	6.47	6.65	6.81	6.55
T-4	pH	s.u.	--	--	6.7 - 7.87		6.31	6.68	6.65
AP-1	Sulfate, total	mg/L	--	--	55.5	790	805	836	849
AP-2	Sulfate, total	mg/L	--	--	55.5	393	411	417	440
AP-3	Sulfate, total	mg/L	--	--	55.5	512	493	554	558
AP-5	Sulfate, total	mg/L	--	--	55.5	50	43	63	59.2
AP-14	Sulfate, total	mg/L	--	--	55.5	679	740	821	909
AW-1	Sulfate, total	mg/L	--	--	55.5	369	401	406	388
G120	Sulfate, total	mg/L	--	--	55.5	503	535	534	565
T-4	Sulfate, total	mg/L	--	--	55.5		87	100	104
AP-1	Total Dissolved Solids	mg/L	--	--	609.21	1400	1490	1530	1640
AP-2	Total Dissolved Solids	mg/L	--	--	609.21	1020	1040	1110	1160
AP-3	Total Dissolved Solids	mg/L	--	--	609.21	935	1040	1170	1160
AP-14	Total Dissolved Solids	mg/L	--	--	609.21	1510	1480	1610	1840
AW-1	Total Dissolved Solids	mg/L	--	--	609.21	1120	1010	1190	1100
G120	Total Dissolved Solids	mg/L	--	--	609.21	1320	1320	1450	1430
Appendix IV									
AP-7	Arsenic, total	mg/L	0.01	--	0.0266	0.0555	0.0395	0.0438	0.0947
AW-1	Arsenic, total *	mg/L	0.01	--	0.0266	0.16	0.153	0.129	0.168
RW-3	Arsenic, total	mg/L	0.01	--	0.0266	0.306	0.188	0.107	0.214
AP-2	Cobalt, total	mg/L	--	0.006	0.0052	0.0068	0.0102	0.0073	0.0085
AP-3	Cobalt, total	mg/L	--	0.006	0.0052	< 0.005	0.0065	0.0071	< 0.005

Notes:

1. A shaded value indicates an exceedance of the higher of the MCL and the Background. The comparison value that was used is in bold font.
2. * An intrawell value of 0.2496 mg/L has been proposed for total arsenic at well AW-1 in pending application Log No. 2024-415.

ATTACHMENTS

ATTACHMENT 1:
2024 Groundwater Monitoring Reports
and Field Logs of 2024 Sampling Events

March 18, 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: 24010117

Dear Eric Staley:

TEKLAB, INC received 15 samples on 2/26/2024 6:45:00 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
Client Project: Ash Pond Monitoring Wells

Work Order: 24010117
Report Date: 18-Mar-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	27
Chain of Custody	Appended

Client: City Water, Light & Power

Work Order: 24010117

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Mar-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)

Client: City Water, Light & Power

Work Order: 24010117

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Mar-24

Qualifiers

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 24010117
Report Date: 18-Mar-24

Cooler Receipt Temp: 3.3 °C

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

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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



Accreditations

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

Client: City Water, Light & Power

Work Order: 24010117

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Mar-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	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-001
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: RW-3

Collection Date: 02/21/2024 11:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.49	ft	1	02/21/2024 11:38	R343702
Depth to water	*	-5.00		6.40	ft	1	02/21/2024 11:38	R343702
Depth to water from measuring point	*	0		9.10	ft	1	02/21/2024 11:38	R343702
Elevation of groundwater surface	*	0		530.40	ft	1	02/21/2024 11:38	R343702
Measuring Point Elevation	*	0		539.50	ft	1	02/21/2024 11:38	R343702
Measuring Point Height Above Land Surface	*	0		2.70	ft	1	02/21/2024 11:38	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		120	NTU	1	02/21/2024 11:38	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.2	°F	1	02/21/2024 11:38	R343702
SW-846 9040B								
pH, Field	*	1.00		7.10		1	02/21/2024 11:38	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		648	µmhos/cm @25C	1	02/21/2024 11:38	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		335	mg/L	2.5	02/23/2024 9:53	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		14	mg/L	1	02/22/2024 22:24	R343452
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.37	mg/L	1	02/23/2024 13:07	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		27	mg/L	1	02/22/2024 22:24	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.166	mg/L	1	02/26/2024 18:50	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 18:50	219117
Boron	NELAP	0.0200		0.116	mg/L	1	02/26/2024 18:50	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 18:50	219117
Calcium	NELAP	0.100		63.4	mg/L	1	02/26/2024 18:50	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 18:50	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 18:50	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 18:50	219117
Lithium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 18:50	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 18:50	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:18	219117
Arsenic	NELAP	0.0010		0.306	mg/L	5	02/28/2024 2:18	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:18	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 2:18	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:29	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-002
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-1

Collection Date: 02/21/2024 13:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		504.29	ft	1	02/21/2024 13:41	R343702
Depth to water	*	-5.00		6.21	ft	1	02/21/2024 13:41	R343702
Depth to water from measuring point	*	0		8.48	ft	1	02/21/2024 13:41	R343702
Elevation of groundwater surface	*	0		526.89	ft	1	02/21/2024 13:41	R343702
Measuring Point Elevation	*	0		535.37	ft	1	02/21/2024 13:41	R343702
Measuring Point Height Above Land Surface	*	0		2.27	ft	1	02/21/2024 13:41	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		28	NTU	1	02/21/2024 13:41	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.0	°F	1	02/21/2024 13:41	R343702
SW-846 9040B								
pH, Field	*	1.00		6.51		1	02/21/2024 13:41	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1470	µmhos/cm @25C	1	02/21/2024 13:41	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1400	mg/L	2.5	02/23/2024 10:04	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		790	mg/L	20	02/22/2024 22:32	R343452
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.18	mg/L	1	02/23/2024 13:18	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		54	mg/L	2	02/22/2024 22:26	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.292	mg/L	1	02/26/2024 18:52	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 18:52	219117
Boron	NELAP	0.200		23.5	mg/L	10	02/28/2024 13:38	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 18:52	219117
Calcium	NELAP	0.100		250	mg/L	1	02/26/2024 18:52	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 18:52	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 18:52	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 18:52	219117
Lithium	NELAP	0.0050		0.0099	mg/L	1	02/26/2024 18:52	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 18:52	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:24	219117
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:24	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:24	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 2:24	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:31	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-003
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-2

Collection Date: 02/22/2024 11:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.77	ft	1	02/22/2024 11:24	R343702
Depth to water	*	-5.00		4.61	ft	1	02/22/2024 11:24	R343702
Depth to water from measuring point	*	0		7.11	ft	1	02/22/2024 11:24	R343702
Elevation of groundwater surface	*	0		528.99	ft	1	02/22/2024 11:24	R343702
Measuring Point Elevation	*	0		536.10	ft	1	02/22/2024 11:24	R343702
Measuring Point Height Above Land Surface	*	0		2.50	ft	1	02/22/2024 11:24	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		20	NTU	1	02/22/2024 11:24	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.6	°F	1	02/22/2024 11:24	R343702
SW-846 9040B								
pH, Field	*	1.00		6.41		1	02/22/2024 11:24	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1190	µmhos/cm @25C	1	02/22/2024 11:24	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1020	mg/L	2.5	02/23/2024 12:34	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		393	mg/L	20	02/23/2024 12:55	R343641
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.21	mg/L	1	02/23/2024 13:26	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		39	mg/L	2	02/23/2024 12:50	R343643
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0678	mg/L	1	02/26/2024 19:01	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 19:01	219117
Boron	NELAP	0.0200		3.38	mg/L	1	02/26/2024 19:01	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 19:01	219117
Calcium	NELAP	0.100		210	mg/L	1	02/26/2024 19:01	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:01	219117
Cobalt	NELAP	0.0050		0.0068	mg/L	1	02/26/2024 19:01	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 19:01	219117
Lithium	NELAP	0.0050		0.0059	mg/L	1	02/26/2024 19:01	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 19:01	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:30	219117
Arsenic	NELAP	0.0010		0.0027	mg/L	5	02/28/2024 2:30	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 2:30	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 2:30	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:33	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-004
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-3

Collection Date: 02/22/2024 12:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.45	ft	1	02/22/2024 12:03	R343702
Depth to water	*	-5.00		7.62	ft	1	02/22/2024 12:03	R343702
Depth to water from measuring point	*	0		9.32	ft	1	02/22/2024 12:03	R343702
Elevation of groundwater surface	*	0		526.08	ft	1	02/22/2024 12:03	R343702
Measuring Point Elevation	*	0		535.40	ft	1	02/22/2024 12:03	R343702
Measuring Point Height Above Land Surface	*	0		1.70	ft	1	02/22/2024 12:03	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		22	NTU	1	02/22/2024 12:03	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.0	°F	1	02/22/2024 12:03	R343702
SW-846 9040B								
pH, Field	*	1.00		6.55		1	02/22/2024 12:03	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1050	µmhos/cm @25C	1	02/22/2024 12:03	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		935	mg/L	2.5	02/23/2024 12:34	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		512	mg/L	20	02/23/2024 13:03	R343641
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.17	mg/L	1	02/23/2024 13:28	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		54	mg/L	2	02/23/2024 12:58	R343643
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0952	mg/L	1	02/26/2024 19:02	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 19:02	219117
Boron	NELAP	0.0200		14.8	mg/L	1	02/26/2024 19:02	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 19:02	219117
Calcium	NELAP	0.100		177	mg/L	1	02/26/2024 19:02	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:02	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:02	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 19:02	219117
Lithium	NELAP	0.0050		0.0062	mg/L	1	02/26/2024 19:02	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 19:02	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 11:23	219117
Arsenic	NELAP	0.0010		0.0101	mg/L	5	02/28/2024 3:18	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:18	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 3:18	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:36	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-005
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-4

Collection Date: 02/23/2024 11:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		492.46	ft	1	02/23/2024 11:21	R343702
Depth to water	*	-5.00		5.90	ft	1	02/23/2024 11:21	R343702
Depth to water from measuring point	*	0		9.04	ft	1	02/23/2024 11:21	R343702
Elevation of groundwater surface	*	0		546.56	ft	1	02/23/2024 11:21	R343702
Measuring Point Elevation	*	0		555.60	ft	1	02/23/2024 11:21	R343702
Measuring Point Height Above Land Surface	*	0		3.14	ft	1	02/23/2024 11:21	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		38	NTU	1	02/23/2024 11:21	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.9	°F	1	02/23/2024 11:21	R343702
SW-846 9040B								
pH, Field	*	1.00		6.86		1	02/23/2024 11:21	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		847	µmhos/cm @25C	1	02/23/2024 11:21	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		520	mg/L	2.5	02/26/2024 10:02	R343638
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		11	mg/L	1	02/28/2024 16:56	R343726
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.16	mg/L	1	02/26/2024 13:04	R343547
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		13	mg/L	1	02/28/2024 16:56	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.390	mg/L	1	02/27/2024 13:38	219154
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/27/2024 13:38	219154
Boron	NELAP	0.0200		0.0871	mg/L	1	02/27/2024 13:38	219154
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/27/2024 13:38	219154
Calcium	NELAP	0.100		119	mg/L	1	02/27/2024 13:38	219154
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/27/2024 13:38	219154
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/27/2024 13:38	219154
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/27/2024 13:38	219154
Lithium	NELAP	0.0050		0.0076	mg/L	1	02/27/2024 13:38	219154
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/27/2024 13:38	219154
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	< 0.0010	mg/L	5	02/28/2024 16:03	219154
Arsenic	NELAP	0.0010		0.0375	mg/L	5	02/28/2024 16:03	219154
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 16:03	219154
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 16:03	219154
<i>Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/29/2024 17:17	219164
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-006
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-5
 Collection Date: 02/22/2024 13:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		552.63	ft	1	02/22/2024 13:44	R343702
Depth to water	*	-5.00		13.65	ft	1	02/22/2024 13:44	R343702
Depth to water from measuring point	*	0		15.95	ft	1	02/22/2024 13:44	R343702
Elevation of groundwater surface	*	0		567.95	ft	1	02/22/2024 13:44	R343702
Measuring Point Elevation	*	0		583.90	ft	1	02/22/2024 13:44	R343702
Measuring Point Height Above Land Surface	*	0		2.30	ft	1	02/22/2024 13:44	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		< 1.0	NTU	1	02/22/2024 13:44	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.2	°F	1	02/22/2024 13:44	R343702
SW-846 9040B								
pH, Field	*	1.00		7.01		1	02/22/2024 13:44	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		591	µmhos/cm @25C	1	02/22/2024 13:44	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		434	mg/L	1	02/23/2024 12:34	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	20		50	mg/L	2	02/23/2024 13:11	R343641
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.28	mg/L	1	02/23/2024 13:30	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		8	mg/L	1	02/23/2024 13:06	R343643
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0515	mg/L	1	02/26/2024 19:04	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 19:04	219117
Boron	NELAP	0.0200		0.0434	mg/L	1	02/26/2024 19:04	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 19:04	219117
Calcium	NELAP	0.100		96.7	mg/L	1	02/26/2024 19:04	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:04	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:04	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 19:04	219117
Lithium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:04	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 19:04	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:24	219117
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:24	219117
Selenium	NELAP	0.0010		0.0011	mg/L	5	02/28/2024 3:24	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 3:24	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:38	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-007
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-6

Collection Date: 02/22/2024 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		498.20	ft	1	02/22/2024 10:40	R343702
Depth to water	*	-5.00		5.43	ft	1	02/22/2024 10:40	R343702
Depth to water from measuring point	*	0		7.85	ft	1	02/22/2024 10:40	R343702
Elevation of groundwater surface	*	0		529.97	ft	1	02/22/2024 10:40	R343702
Measuring Point Elevation	*	0		537.82	ft	1	02/22/2024 10:40	R343702
Measuring Point Height Above Land Surface	*	0		2.42	ft	1	02/22/2024 10:40	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		13	NTU	1	02/22/2024 10:40	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.0	°F	1	02/22/2024 10:40	R343702
SW-846 9040B								
pH, Field	*	1.00		6.97		1	02/22/2024 10:40	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		612	µmhos/cm @25C	1	02/22/2024 10:40	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		380	mg/L	2.5	02/23/2024 12:34	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		14	mg/L	1	02/23/2024 13:14	R343641
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.37	mg/L	1	02/23/2024 13:32	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		30	mg/L	1	02/23/2024 13:14	R343643
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.119	mg/L	1	02/26/2024 19:06	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 19:06	219117
Boron	NELAP	0.0200		0.171	mg/L	1	02/26/2024 19:06	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 19:06	219117
Calcium	NELAP	0.100		61.4	mg/L	1	02/26/2024 19:06	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:06	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:06	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 19:06	219117
Lithium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:06	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 19:06	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:30	219117
Arsenic	NELAP	0.0010		0.0068	mg/L	5	02/28/2024 3:30	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:30	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 3:30	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:51	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-008
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-7
 Collection Date: 02/26/2024 14:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		496.50	ft	1	02/26/2024 14:20	R343702
Depth to water	*	-5.00		8.42	ft	1	02/26/2024 14:20	R343702
Depth to water from measuring point	*	0		11.08	ft	1	02/26/2024 14:20	R343702
Elevation of groundwater surface	*	0		527.94	ft	1	02/26/2024 14:20	R343702
Measuring Point Elevation	*	0		539.02	ft	1	02/26/2024 14:20	R343702
Measuring Point Height Above Land Surface	*	0		2.66	ft	1	02/26/2024 14:20	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		34	NTU	1	02/26/2024 14:20	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.2	°F	1	02/26/2024 14:20	R343702
SW-846 9040B								
pH, Field	*	1.00		7.15		1	02/26/2024 14:20	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		646	µmhos/cm @25C	1	02/26/2024 14:20	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	100		330	mg/L	5	02/28/2024 7:46	R343743
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		17	mg/L	1	02/28/2024 17:04	R343726
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.44	mg/L	1	02/27/2024 9:22	R343589
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		42	mg/L	1	02/28/2024 17:04	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.118	mg/L	1	02/29/2024 16:41	219241
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/29/2024 16:41	219241
Boron	NELAP	0.0200		0.173	mg/L	1	02/29/2024 16:41	219241
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/29/2024 16:41	219241
Calcium	NELAP	0.100	B	55.6	mg/L	1	02/29/2024 16:41	219241
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:41	219241
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:41	219241
Lead	NELAP	0.0150	B	< 0.0150	mg/L	1	02/29/2024 16:41	219241
Lithium	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:41	219241
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/29/2024 16:41	219241
<i>Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<i>Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:00	219241
Arsenic	NELAP	0.0010		0.0555	mg/L	5	03/01/2024 12:00	219241
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:00	219241
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	03/01/2024 4:48	219241
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/04/2024 17:37	219343
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24010117-008
Matrix: GROUNDWATER

Work Order: 24010117
Report Date: 18-Mar-24
Client Sample ID: AP-7
Collection Date: 02/26/2024 14:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-009
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-8
 Collection Date: 02/21/2024 12:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		497.60	ft	1	02/21/2024 12:24	R343702
Depth to water	*	-5.00		1.58	ft	1	02/21/2024 12:24	R343702
Depth to water from measuring point	*	0		4.48	ft	1	02/21/2024 12:24	R343702
Elevation of groundwater surface	*	0		532.72	ft	1	02/21/2024 12:24	R343702
Measuring Point Elevation	*	0		537.20	ft	1	02/21/2024 12:24	R343702
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	02/21/2024 12:24	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		6.7	NTU	1	02/21/2024 12:24	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.3	°F	1	02/21/2024 12:24	R343702
SW-846 9040B								
pH, Field	*	1.00		6.83		1	02/21/2024 12:24	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		861	µmhos/cm @25C	1	02/21/2024 12:24	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		520	mg/L	2.5	02/23/2024 10:04	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		< 10	mg/L	1	02/22/2024 22:34	R343452
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.26	mg/L	1	02/23/2024 13:23	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		24	mg/L	1	02/22/2024 22:34	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.374	mg/L	1	02/26/2024 19:07	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 19:07	219117
Boron	NELAP	0.0200		0.0866	mg/L	1	02/26/2024 19:07	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 19:07	219117
Calcium	NELAP	0.100		99.3	mg/L	1	02/26/2024 19:07	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:07	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:07	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 19:07	219117
Lithium	NELAP	0.0050		0.0069	mg/L	1	02/26/2024 19:07	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 19:07	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:36	219117
Arsenic	NELAP	0.0010		0.0426	mg/L	5	02/28/2024 3:36	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:36	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 3:36	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:54	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-010
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-9

Collection Date: 02/26/2024 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		501.80	ft	1	02/26/2024 13:50	R343702
Depth to water	*	-5.00		8.95	ft	1	02/26/2024 13:50	R343702
Depth to water from measuring point	*	0		12.05	ft	1	02/26/2024 13:50	R343702
Elevation of groundwater surface	*	0		528.25	ft	1	02/26/2024 13:50	R343702
Measuring Point Elevation	*	0		540.30	ft	1	02/26/2024 13:50	R343702
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	02/26/2024 13:50	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		23	NTU	1	02/26/2024 13:50	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.2	°F	1	02/26/2024 13:50	R343702
SW-846 9040B								
pH, Field	*	1.00		6.82		1	02/26/2024 13:50	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		813	µmhos/cm @25C	1	02/26/2024 13:50	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	100		530	mg/L	5	02/28/2024 8:02	R343743
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10	S	23	mg/L	1	02/28/2024 17:15	R343726
<i>Matrix spike did not recover within control limits. Results verified by dilution.</i>								
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.26	mg/L	1	02/27/2024 9:24	R343589
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		25	mg/L	1	02/28/2024 17:15	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.378	mg/L	1	02/29/2024 16:42	219241
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/29/2024 16:42	219241
Boron	NELAP	0.0200		0.0932	mg/L	1	02/29/2024 16:42	219241
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/29/2024 16:42	219241
Calcium	NELAP	0.100	B	97.9	mg/L	1	02/29/2024 16:42	219241
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:42	219241
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:42	219241
Lead	NELAP	0.0150	B	< 0.0150	mg/L	1	02/29/2024 16:42	219241
Lithium	NELAP	0.0050		0.0059	mg/L	1	02/29/2024 16:42	219241
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/29/2024 16:42	219241
<i>Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<i>Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:06	219241
Arsenic	NELAP	0.0010		0.0037	mg/L	5	03/01/2024 12:06	219241
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:06	219241
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	03/01/2024 4:53	219241
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/04/2024 17:50	219343
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24010117-010
Matrix: GROUNDWATER

Work Order: 24010117
Report Date: 18-Mar-24
Client Sample ID: AP-9
Collection Date: 02/26/2024 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-011
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-10

Collection Date: 02/21/2024 14:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		499.43	ft	1	02/21/2024 14:36	R343702
Depth to water	*	-5.00		-0.28	ft	1	02/21/2024 14:36	R343702
Depth to water from measuring point	*	0		2.82	ft	1	02/21/2024 14:36	R343702
Elevation of groundwater surface	*	0		534.68	ft	1	02/21/2024 14:36	R343702
Measuring Point Elevation	*	0		537.50	ft	1	02/21/2024 14:36	R343702
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	02/21/2024 14:36	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		34	NTU	1	02/21/2024 14:36	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.7	°F	1	02/21/2024 14:36	R343702
SW-846 9040B								
pH, Field	*	1.00		6.65		1	02/21/2024 14:36	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1010	µmhos/cm @25C	1	02/21/2024 14:36	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		745	mg/L	2.5	02/23/2024 10:05	R343558
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		96	mg/L	5	02/22/2024 23:01	R343452
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.29	mg/L	1	02/23/2024 13:25	R343485
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		27	mg/L	1	02/22/2024 22:56	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.613	mg/L	1	02/26/2024 19:09	219117
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/26/2024 19:09	219117
Boron	NELAP	0.0200		3.71	mg/L	1	02/26/2024 19:09	219117
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/26/2024 19:09	219117
Calcium	NELAP	0.100		141	mg/L	1	02/26/2024 19:09	219117
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:09	219117
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/26/2024 19:09	219117
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/26/2024 19:09	219117
Lithium	NELAP	0.0050		0.0090	mg/L	1	02/26/2024 19:09	219117
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/26/2024 19:09	219117
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:42	219117
Arsenic	NELAP	0.0010		0.0011	mg/L	5	02/28/2024 3:42	219117
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 3:42	219117
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 3:42	219117
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2024 15:56	219103
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-012
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-11

Collection Date: 02/26/2024 11:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.15	ft	1	02/26/2024 11:08	R343702
Depth to water	*	-5.00		11.62	ft	1	02/26/2024 11:08	R343702
Depth to water from measuring point	*	0		14.42	ft	1	02/26/2024 11:08	R343702
Elevation of groundwater surface	*	0		523.68	ft	1	02/26/2024 11:08	R343702
Measuring Point Elevation	*	0		538.10	ft	1	02/26/2024 11:08	R343702
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	02/26/2024 11:08	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.2	NTU	1	02/26/2024 11:08	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.0	°F	1	02/26/2024 11:08	R343702
SW-846 9040B								
pH, Field	*	1.00		6.45		1	02/26/2024 11:08	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1100	µmhos/cm @25C	1	02/26/2024 11:08	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		665	mg/L	2.5	02/28/2024 8:02	R343743
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		89	mg/L	5	02/28/2024 17:52	R343726
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.22	mg/L	1	02/27/2024 9:26	R343589
SW-846 9251 (TOTAL)								
Chloride	NELAP	20		122	mg/L	5	02/28/2024 17:52	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.154	mg/L	1	02/29/2024 16:44	219241
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/29/2024 16:44	219241
Boron	NELAP	0.0200		0.232	mg/L	1	02/29/2024 16:44	219241
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/29/2024 16:44	219241
Calcium	NELAP	0.100	B	150	mg/L	1	02/29/2024 16:44	219241
Chromium	NELAP	0.0050		0.0081	mg/L	1	02/29/2024 16:44	219241
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:44	219241
Lead	NELAP	0.0150	B	< 0.0150	mg/L	1	02/29/2024 16:44	219241
Lithium	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:44	219241
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/29/2024 16:44	219241
<i>Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<i>Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:12	219241
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	03/01/2024 12:12	219241
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:12	219241
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	03/01/2024 4:59	219241
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		0.00021	mg/L	1	03/04/2024 17:52	219343
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power

Work Order: 24010117

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Mar-24

Lab ID: 24010117-012

Client Sample ID: AP-11

Matrix: GROUNDWATER

Collection Date: 02/26/2024 11:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-013
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-12

Collection Date: 02/26/2024 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		510.30	ft	1	02/26/2024 12:00	R343702
Depth to water	*	-5.00		14.45	ft	1	02/26/2024 12:00	R343702
Depth to water from measuring point	*	0		17.35	ft	1	02/26/2024 12:00	R343702
Elevation of groundwater surface	*	0		523.35	ft	1	02/26/2024 12:00	R343702
Measuring Point Elevation	*	0		540.70	ft	1	02/26/2024 12:00	R343702
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	02/26/2024 12:00	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		27	NTU	1	02/26/2024 12:00	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.6	°F	1	02/26/2024 12:00	R343702
SW-846 9040B								
pH, Field	*	1.00		6.53		1	02/26/2024 12:00	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1400	µmhos/cm @25C	1	02/26/2024 12:00	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1290	mg/L	2.5	02/28/2024 8:02	R343743
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		460	mg/L	10	02/28/2024 17:55	R343726
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.19	mg/L	1	02/27/2024 9:28	R343589
SW-846 9251 (TOTAL)								
Chloride	NELAP	40		115	mg/L	10	02/28/2024 17:55	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0569	mg/L	1	02/29/2024 16:53	219241
Beryllium	NELAP	0.0005		0.0006	mg/L	1	02/29/2024 16:53	219241
Boron	NELAP	0.0200		0.0210	mg/L	1	02/29/2024 16:53	219241
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/29/2024 16:53	219241
Calcium	NELAP	0.100	B	228	mg/L	1	02/29/2024 16:53	219241
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:53	219241
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:53	219241
Lead	NELAP	0.0150	B	< 0.0150	mg/L	1	02/29/2024 16:53	219241
Lithium	NELAP	0.0050		0.0064	mg/L	1	02/29/2024 16:53	219241
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/29/2024 16:53	219241
<i>Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<i>Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:17	219241
Arsenic	NELAP	0.0010		0.0013	mg/L	5	03/01/2024 13:21	219241
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 0:17	219241
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	03/01/2024 5:04	219241
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/04/2024 17:55	219343
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24010117-013
Matrix: GROUNDWATER

Work Order: 24010117
Report Date: 18-Mar-24
Client Sample ID: AP-12
Collection Date: 02/26/2024 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-014
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-13

Collection Date: 02/26/2024 12:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		511.00	ft	1	02/26/2024 12:34	R343702
Depth to water	*	-5.00		13.70	ft	1	02/26/2024 12:34	R343702
Depth to water from measuring point	*	0		17.10	ft	1	02/26/2024 12:34	R343702
Elevation of groundwater surface	*	0		524.90	ft	1	02/26/2024 12:34	R343702
Measuring Point Elevation	*	0		542.00	ft	1	02/26/2024 12:34	R343702
Measuring Point Height Above Land Surface	*	0		3.40	ft	1	02/26/2024 12:34	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		10	NTU	1	02/26/2024 12:34	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.8	°F	1	02/26/2024 12:34	R343702
SW-846 9040B								
pH, Field	*	1.00		6.73		1	02/26/2024 12:34	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		710	µmhos/cm @25C	1	02/26/2024 12:34	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		500	mg/L	2.5	02/28/2024 8:03	R343743
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		118	mg/L	5	02/28/2024 18:08	R343726
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.24	mg/L	1	02/27/2024 9:35	R343589
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		27	mg/L	1	02/28/2024 18:03	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.116	mg/L	1	02/29/2024 16:55	219241
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/29/2024 16:55	219241
Boron	NELAP	0.0200		0.0356	mg/L	1	02/29/2024 16:55	219241
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/29/2024 16:55	219241
Calcium	NELAP	0.100	B	101	mg/L	1	02/29/2024 16:55	219241
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:55	219241
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/29/2024 16:55	219241
Lead	NELAP	0.0150	B	< 0.0150	mg/L	1	02/29/2024 16:55	219241
Lithium	NELAP	0.0050		0.0109	mg/L	1	02/29/2024 16:55	219241
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/29/2024 16:55	219241
<i>Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<i>Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 1:04	219241
Arsenic	NELAP	0.0010		0.0028	mg/L	5	03/01/2024 13:26	219241
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/29/2024 1:04	219241
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	03/01/2024 5:10	219241
<i>CCV recovered outside the upper control limits for Sb and Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/04/2024 17:57	219343
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24010117-014
Matrix: GROUNDWATER

Work Order: 24010117
Report Date: 18-Mar-24
Client Sample ID: AP-13
Collection Date: 02/26/2024 12:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24010117-015
 Matrix: GROUNDWATER

Work Order: 24010117
 Report Date: 18-Mar-24

Client Sample ID: AP-14

Collection Date: 02/23/2024 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		508.40	ft	1	02/23/2024 10:25	R343702
Depth to water	*	-5.00		-1.08	ft	1	02/23/2024 10:25	R343702
Depth to water from measuring point	*	0		1.72	ft	1	02/23/2024 10:25	R343702
Elevation of groundwater surface	*	0		537.88	ft	1	02/23/2024 10:25	R343702
Measuring Point Elevation	*	0		539.60	ft	1	02/23/2024 10:25	R343702
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	02/23/2024 10:25	R343702
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		24	NTU	1	02/23/2024 10:25	R343702
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		52.5	°F	1	02/23/2024 10:25	R343702
SW-846 9040B								
pH, Field	*	1.00		6.93		1	02/23/2024 10:25	R343702
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1530	µmhos/cm @25C	1	02/23/2024 10:25	R343702
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1510	mg/L	2.5	02/26/2024 10:03	R343638
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		679	mg/L	20	02/28/2024 18:16	R343726
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.30	mg/L	1	02/26/2024 13:07	R343547
SW-846 9251 (TOTAL)								
Chloride	NELAP	20		82	mg/L	5	02/28/2024 18:11	R343732
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0422	mg/L	1	02/27/2024 17:40	219154
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	02/27/2024 17:40	219154
Boron	NELAP	0.200		21.6	mg/L	10	02/29/2024 14:02	219154
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/27/2024 17:40	219154
Calcium	NELAP	0.100		263	mg/L	1	02/27/2024 17:40	219154
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	02/27/2024 17:40	219154
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	02/27/2024 17:40	219154
Lead	NELAP	0.0150		< 0.0150	mg/L	1	02/27/2024 17:40	219154
Lithium	NELAP	0.0050		0.0076	mg/L	1	02/27/2024 17:40	219154
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	02/27/2024 17:40	219154
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	< 0.0010	mg/L	5	02/28/2024 16:10	219154
Arsenic	NELAP	0.0010		0.0039	mg/L	5	02/28/2024 16:10	219154
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	02/28/2024 16:10	219154
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	02/28/2024 16:10	219154
<i>Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/29/2024 17:20	219164
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494
Radium-228	*	0		See Attached	pci/L	1	03/08/2024 0:00	R344494



Receiving Check List

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

Client: City Water, Light & Power

Work Order: 24010117

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Mar-24

Carrier: Tracy Carroll

Received By: AMD

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

22-Feb-24

Amber Dilallo

On:

27-Feb-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes No Not Present Temp °C **3.3**
- 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 #90719. - amberdilallo - 2/22/2024 8:40:42 AM

Samples were received on 2/22/24 at 15:40 on ice [7.3C - LTG5]. pH strip #90719. Collection date per Tracy Carroll. - amberdilallo - 2/22/2024 4:41:18 PM

Samples were received on 2/23/24 at 13:07 on ice [6.7C - LTG#7]. pH strip #90719. Additional Nitric Acid (96331) preservative was needed for AP-4 & AP-14 upon arrival at the laboratory. - nickreed - 2/23/2024 2:35:40 PM

Samples were received on 2/26/24 at 18:45 on ice [5.3c - LTG5]. pH strip #90719. - amberdilallo - 2/27/2024 8:11:24 AM

CHAIN OF CUSTODY

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: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>33</u> °C Preserved in: <input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> <u>LT45</u> LAB NOTES: <u>90719</u> <u>SMY paper</u>
--	---

Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file	Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring
--	---

PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>J Conrad</u>	# and Type of Containers UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other	INDICATE ANALYSIS REQUESTED Field Turbidity Radium-228 Radium-226 Metals (T)** Cl F SO4 TDS (T) Field parameters*
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RESULTS REQUESTED		BILLING INSTRUCTIONS	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> 1-2 Day (100% Surcharge)	<input type="checkbox"/> Other	<input type="checkbox"/> 3 Day (50% Surcharge)
Lab Use Only	Sample ID	Date/Time Sampled	Matrix
24010117-001	RW-3	2/21/24 1138	Groundwater
002	AP-1	2/21/24 1341	Groundwater
003	AP-2		Groundwater
004	AP-3		Groundwater
005	AP-4		Groundwater
006	AP-5		Groundwater
007	AP-6		Groundwater
008	AP-7		Groundwater
009	AP-8	2/21/24 1224	Groundwater
010	AP-9		Groundwater
011	AP-10	2/21/24 1436	Groundwater

Relinquished By <u>Laura Carroll</u>	Date/Time <u>2/21/24 1715</u>	Received By <u>Sharon Ouellet</u>	Date/Time <u>2/21/24 1715</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

CHAIN OF CUSTODY

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: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>9.3</u> °C Preserved in: <input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD FOR LAB USE ONLY C1065 LAB NOTES: <u>9079 Over water</u>															
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file				Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring <u>Done per Tracy Carroll. Sam 2/22/24</u>															
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>T. Carroll</u>		# and Type of Containers		INDICATE ANALYSIS REQUESTED													
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity	
Lab Use Only	Sample ID	Date/Time Sampled	Matrix	1	2														
<u>24010117-001</u>	<u>RW-3</u>		<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>002</u>	<u>AP-1</u>		<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>003</u>	<u>AP-2</u>	<u>2/22/24 1124</u>	<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>004</u>	<u>AP-3</u>	<u>1203</u>	<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>005</u>	<u>AP-4</u>	<u>I</u>	<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>006</u>	<u>AP-5</u>	<u>1244</u>	<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>007</u>	<u>AP-6</u>	<u>1040</u>	<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>008</u>	<u>AP-7</u>		<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>009</u>	<u>AP-8</u>		<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>010</u>	<u>AP-9</u>		<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>011</u>	<u>AP-10</u>		<u>Groundwater</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Relinquished By		Date/Time		Received By				Date/Time											
<u>Jerry Carroll</u>		<u>2/22/24 3:40</u>		<u>Emily Sackett</u>				<u>2/22/24 1540</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

CHAIN OF CUSTODY

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

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Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file				Client Comments: *elevations, pH, conductivity, temperature **Sb As Se TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring																		
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>T. Carroll</u>		# and Type of Containers		INDICATE ANALYSIS REQUESTED																
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)				BILLING INSTRUCTIONS				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
Lab Use Only	Sample ID	Date/Time Sampled	Matrix	1	2																	
	<u>24010117-001</u>	<u>RW-3</u>	<u>Groundwater</u>																			
	<u>002</u>	<u>AP-1</u>	<u>Groundwater</u>																			
	<u>003</u>	<u>AP-2</u>	<u>Groundwater</u>																			
	<u>004</u>	<u>AP-3</u>	<u>Groundwater</u>																			
	<u>005</u>	<u>AP-4</u>	<u>Groundwater</u>			<u>2/23/24 11:21</u>																
	<u>006</u>	<u>AP-5</u>	<u>Groundwater</u>																			
	<u>007</u>	<u>AP-6</u>	<u>Groundwater</u>																			
	<u>008</u>	<u>AP-7</u>	<u>Groundwater</u>																			
	<u>009</u>	<u>AP-8</u>	<u>Groundwater</u>																			
	<u>010</u>	<u>AP-9</u>	<u>Groundwater</u>																			
	<u>011</u>	<u>AP-10</u>	<u>Groundwater</u>																			
Relinquished By <u>Jean Carroll</u>			Date/Time <u>2/23/24 1:07</u>		Received By <u>Whitney Dunger</u>			Date/Time <u>2/23/24 1:07</u>														

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Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file	Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring
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PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>T. Carell</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS	UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other	Field parameters* Cl F SO4 TDS (T) Metals (T)** Radium-226 Radium-228 Field Turbidity

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
2401017: <u>012</u>	AP-11		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>013</u>	AP-12		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>014</u>	AP-13		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>015</u>	AP-14	<u>2/23/24 1025</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															

Relinquished By <u>Juanj Carell</u>	Date/Time <u>2/23/24 1:07</u>	Received By <u>Whitney Owen</u>	Date/Time <u>2/23/24 1:05</u>

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Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file	Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring
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PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>T Carroll</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS	UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other	Field Turbidity Radium-228 Radium-226 Metals (T)** Cl F SO4 TDS (T) Field parameters*

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity	
<u>24010117-001</u>	RW-3		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>002</u>	AP-1		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>003</u>	AP-2		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>004</u>	AP-3		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>005</u>	AP-4		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>006</u>	AP-5		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>007</u>	AP-6		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>008</u>	AP-7	<u>2/26/24 1420</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>009</u>	AP-8		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>010</u>	AP-9	<u>2/26/24 1350</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>011</u>	AP-10		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Relinquished By <u>Tony Carroll</u>	Date/Time <u>2/26/24 1845</u>	Received By <u>Uma O'Connell</u>	Date/Time <u>2/26/24 1845</u>
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Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file				Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring														
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>J Carroll</u>		# and Type of Containers		INDICATE ANALYSIS REQUESTED												
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
Lab Use Only	Sample ID	Date/Time Sampled	Matrix	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>24010117</u> <u>AP-11</u>	<u>2/26/24 1108</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>AP-12</u>	<u>↓ 1200</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>AP-13</u>	<u>↓ 1234</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>AP-14</u>		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
Relinquished By <u>Jerry Carroll</u>		Date/Time <u>2/26/24 1845</u>		Received By <u>Smalley</u>		Date/Time <u>2/26/24 1845</u>												

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Site Sampling Event: CWLP Ash Pond- 1Q24
 LIMS Workorder: 24010117
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
 CWLP- Ash Pond- 1Q 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	57.0	None	N	Clear	Good	Good	Good	Yes	No
002	AP-1	Groundwater Sample	59.0	None	N	Clear	Good	Good	Good	No	No
003	AP-2	Groundwater Sample	60.0	None	W	Cloudy	Good	Good	Good	No	No
004	AP-3	Groundwater Sample	62.0	None	W	Clear	Good	Good	Good	Yes	No
005	AP-4	Groundwater Sample	50.0	None	SE	Clear	Good	Good	Good	Yes	No
006	AP-5	Groundwater Sample	63.0	None	W	Clear	Good	Good	Good	Yes	No
007	AP-6	Groundwater Sample	60.0	None	W	Cloudy	Good	Good	Good	No	No
008	AP-7	Groundwater Sample	74.0	None	N	Clear	Good	Good	Good	No	No
009	AP-8	Groundwater Sample	57.0	None	N	Clear	Good	Good	Good	No	No
010	AP-9	Groundwater Sample	74.0	None	N	Clear	Good	Good	Good	No	No
011	AP-10	Groundwater Sample	60.0	None	N	Clear	Good	Good	Good	No	No
012	AP-11	Groundwater Sample	64.0	None	N	Clear	Good	Good	Good	No	No
013	AP-12	Groundwater Sample	67.0	None	N	Clear	Good	Good	Good	No	No
014	AP-13	Groundwater Sample	70.0	None	N	Clear	Good	Good	Good	No	No
015	AP-14	Groundwater Sample	45.0	None	SE	Clear	Good	Good	Good	Yes	No



Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Summary

CWLP- Ash Pond- 1Q 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 Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	RW-3	DC	2/21/24 11:20	9.10	44.01	DC	2/21/2024	11:21	11:38	Bladder Pump	2"	4.0	235.3
002	AP-1	DC	2/21/24 12:42	8.48	31.08	DC	2/21/2024	13:27	13:41	Bladder Pump	2"	3.0	214.3
003	AP-2	DC	2/22/24 10:58	7.11	21.33	DC	2/22/2024	10:59	11:24	Bladder Pump	2"	6.0	240.0
004	AP-3	DC	2/22/24 11:44	9.32	-	DC	2/22/2024	11:45	12:03	Bladder Pump	2"	4.0	222.2
005	AP-4	DC	2/23/24 10:46	9.04	60.41	DC	2/23/2024	10:47	11:21	Bladder Pump	2"	9.0	264.7
006	AP-5	DC	2/22/24 13:21	15.95	31.27	DC	2/22/2024	13:22	13:44	Bladder Pump	2"	5.0	227.3
007	AP-6	DC	2/22/24 10:22	7.85	39.62	DC	2/22/2024	10:24	10:40	Bladder Pump	2"	3.0	187.5
008	AP-7	DC	2/26/24 14:04	11.08	42.52	DC	2/26/2024	14:05	14:20	Bladder Pump	2"	3.0	200.0
009	AP-8	DC	2/21/24 12:07	4.48	39.60	DC	2/21/2024	12:08	12:24	Peristaltic Pump	2"	4.0	250.0
010	AP-9	DC	2/26/24 13:27	12.05	39.60	DC	2/26/2024	13:30	13:50	Peristaltic Pump	2"	5.0	250.0
011	AP-10	DC	2/21/24 14:04	2.82	38.07	DC	2/21/2024	14:05	14:36	Peristaltic Pump	2"	6.0	193.5
012	AP-11	DC	2/26/24 10:46	14.42	22.95	DC	2/26/2024	10:50	11:08	Peristaltic Pump	2"	4.0	222.2
013	AP-12	DC	2/26/24 11:22	17.35	30.40	DC	2/26/2024	11:22	12:00	Peristaltic Pump	2"	8.0	210.5
014	AP-13	DC	2/26/24 12:11	17.10	31.00	DC	2/26/2024	12:12	12:34	Peristaltic Pump	2"	6.0	272.7
015	AP-14	DC	2/23/24 9:57	1.72	31.20	DC	2/23/2024	09:58	10:25	Peristaltic Pump	2"	6.0	222.2



Site Sampling Event: CWLP Ash Pond- 1Q24
 LIMS Workorder: 24010117
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
CWLP- Ash Pond- 1Q 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	02/21/24	11:38	Low Flow	Yes	Clear	None	None	13.25	4.15
002	AP-1	TAC	02/21/24	13:41	Low Flow	No	Clear	None	None	9.00	0.52
003	AP-2	TAC	02/22/24	11:24	Low Flow	No	Clear	None	None	7.20	0.09
004	AP-3	TAC	02/22/24	12:03	Low Flow	No	Clear	None	None	9.68	0.36
005	AP-4	TAC	02/23/24	11:21	Low Flow	No	Clear	None	None	9.21	0.17
006	AP-5	TAC	02/22/24	13:44	Low Flow	No	Clear	None	None	17.45	1.5
007	AP-6	TAC	02/22/24	10:40	Low Flow	No	Clear	None	None	12.45	4.6
008	AP-7	TAC	02/26/24	14:20	Low Flow	No	Clear	None	None	13.29	2.21
009	AP-8	TAC	02/21/24	12:24	Low Flow	No	Clear	None	None	4.84	0.36
010	AP-9	TAC	02/26/24	13:50	Low Flow	No	Clear	None	None	16.30	4.25
011	AP-10	TAC	02/21/24	14:36	Low Flow	No	Clear	Slight	None	3.11	0.29
012	AP-11	TAC	02/26/24	11:08	Low Flow	No	Clear	None	None	14.95	0.53
013	AP-12	TAC	02/26/24	12:00	Low Flow	No	Slightly cloudy	Slight	light grey	18.64	1.29
014	AP-13	TAC	02/26/24	12:34	Low Flow	No	Clear	Slight	None	18.86	1.76
015	AP-14	TAC	02/23/24	10:25	Low Flow	No	Cloudy	None	None	1.90	0.18



Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Summary

CWLP- Ash Pond- 1Q 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	



Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Stabilized Field Parameters Summary

CWLP- Ash Pond- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
RW-3	2/21/2024	11:38	14.0	57.2	7.10	647.6	0.78	124.34	-134.4	9.10	24010117-001A
AP-1	2/21/2024	13:41	15.0	59.0	6.51	1,473.8	1.00	28.16	-3.1	8.48	24010117-002A
AP-2	2/22/2024	11:24	13.1	55.6	6.41	1,190.1	0.56	20.20	115.3	7.11	24010117-003A
AP-3	2/22/2024	12:03	12.8	55.0	6.55	1,048.2	0.65	21.97	78.1	9.32	24010117-004A
AP-4	2/23/2024	11:21	15.5	59.9	6.86	847.4	0.50	38.35	-53.3	9.04	24010117-005A
AP-5	2/22/2024	13:44	14.0	57.2	7.01	590.8	2.26	0.66	63.7	15.95	24010117-006A
AP-6	2/22/2024	10:40	12.8	55.0	6.97	612.2	3.76	12.97	113.0	7.85	24010117-007A
AP-7	2/26/2024	14:20	14.0	57.2	7.15	646.0	1.56	33.97	-88.6	11.08	24010117-008A
AP-8	2/21/2024	12:24	13.5	56.3	6.83	860.7	0.74	6.66	-76.0	4.48	24010117-009A
AP-9	2/26/2024	13:50	15.1	59.2	6.82	813.3	1.06	23.11	-49.8	12.05	24010117-010A
AP-10	2/21/2024	14:36	13.7	56.7	6.65	1,006.6	2.23	34.31	-18.7	2.82	24010117-011A
AP-11	2/26/2024	11:08	12.8	55.0	6.45	1,103.0	1.12	5.21	86.7	14.42	24010117-012A
AP-12	2/26/2024	12:00	14.2	57.6	6.53	1,396.3	0.67	27.25	-25.8	17.35	24010117-013A
AP-13	2/26/2024	12:34	13.8	56.8	6.73	709.8	0.87	10.08	-47.2	17.10	24010117-014A
AP-14	2/23/2024	10:25	11.4	52.5	6.93	1,529.4	1.44	24.44	97.8	1.72	24010117-015A



Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Form- Groundwater Quality Parameters

CWLP- Ash Pond- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
RW-3	2/21/2024	11:32	9.10	13.9	57.0	7.11	648.4	0.89	46.09	-126.70
RW-3	2/21/2024	11:35	9.10	13.9	57.0	7.10	647.6	0.83	90.21	-131.90
RW-3	2/21/2024	11:38	9.10	14.0	57.2	7.10	647.6	0.78	124.34	-134.40



Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-1	2/21/2024	13:35	8.48	14.8	58.6	6.51	1,441.3	1.21	29.57	50.10
AP-1	2/21/2024	13:38	8.48	14.7	58.5	6.51	1,459.6	1.04	30.53	22.00
AP-1	2/21/2024	13:41	8.48	15.0	59.0	6.51	1,473.8	1.00	28.16	-3.10

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-2	2/22/2024	11:15	7.11	12.8	55.0	6.42	1,189.9	0.69	66.56	119.50
AP-2	2/22/2024	11:18	7.11	12.9	55.2	6.42	1,185.7	0.64	39.12	118.10
AP-2	2/22/2024	11:21	7.11	12.9	55.2	6.42	1,187.5	0.60	30.02	116.60
AP-2	2/22/2024	11:24	7.11	13.1	55.6	6.41	1,190.1	0.56	20.20	115.30

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-3	2/22/2024	11:54	9.32	12.6	54.7	6.61	1,022.4	1.28	128.69	98.60
AP-3	2/22/2024	11:57	9.32	12.7	54.9	6.57	1,030.4	0.91	56.27	91.00
AP-3	2/22/2024	12:00	9.32	12.8	55.0	6.56	1,040.2	0.75	39.31	84.30
AP-3	2/22/2024	12:03	9.32	12.8	55.0	6.55	1,048.2	0.65	21.97	78.10



Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-4	2/23/2024	11:12	9.04	15.5	59.9	6.86	848.3	0.58	24.99	-12.80
AP-4	2/23/2024	11:15	9.04	15.5	59.9	6.86	849.4	0.54	34.01	-29.30
AP-4	2/23/2024	11:18	9.04	15.5	59.9	6.86	848.1	0.52	28.31	-42.70
AP-4	2/23/2024	11:21	9.04	15.5	59.9	6.86	847.4	0.50	38.35	-53.30

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-5	2/22/2024	13:35	15.95	14.1	57.4	7.07	590.0	2.93	2.05	62.70
AP-5	2/22/2024	13:38	15.95	13.9	57.0	7.04	589.9	2.61	1.74	63.20
AP-5	2/22/2024	13:41	15.95	13.8	56.8	7.03	589.2	2.38	1.04	63.60
AP-5	2/22/2024	13:44	15.95	14.0	57.2	7.01	590.8	2.26	0.66	63.70

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-6	2/22/2024	10:31	7.85	12.7	54.9	6.87	676.1	2.30	15.94	119.40
AP-6	2/22/2024	10:34	7.85	12.8	55.0	6.92	634.6	3.12	14.77	117.00
AP-6	2/22/2024	10:37	7.85	12.8	55.0	6.95	618.1	3.63	14.39	114.60
AP-6	2/22/2024	10:40	7.85	12.8	55.0	6.97	612.2	3.76	12.97	113.00



Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-7	2/26/2024	14:14	11.08	14.5	58.1	7.19	666.9	2.50	15.92	-43.90
AP-7	2/26/2024	14:17	11.08	14.0	57.2	7.15	651.6	1.80	30.93	-71.30
AP-7	2/26/2024	14:20	11.08	14.0	57.2	7.15	646.0	1.56	33.97	-88.60

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-8	2/21/2024	12:18	4.48	13.5	56.3	6.84	857.8	0.91	6.45	-50.90
AP-8	2/21/2024	12:21	4.48	13.5	56.3	6.83	860.3	0.82	7.31	-66.90
AP-8	2/21/2024	12:24	4.48	13.5	56.3	6.83	860.7	0.74	6.66	-76.00



Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Form- Groundwater Quality Parameters

CWLP- Ash Pond- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-9	2/26/2024	13:41	12.05	15.1	59.2	6.83	818.4	1.46	41.48	6.90
AP-9	2/26/2024	13:44	12.05	15.2	59.4	6.83	818.0	1.33	36.68	-18.80
AP-9	2/26/2024	13:47	12.05	15.2	59.4	6.82	816.2	1.17	27.62	-36.90
AP-9	2/26/2024	13:50	12.05	15.1	59.2	6.82	813.3	1.06	23.11	-49.80

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-10	2/21/2024	14:30	2.82	13.6	56.5	6.65	999.5	2.69	40.08	0.20
AP-10	2/21/2024	14:33	2.82	13.7	56.7	6.65	1,006.1	2.48	36.94	-10.20
AP-10	2/21/2024	14:36	2.82	13.7	56.7	6.65	1,006.6	2.23	34.31	-18.70

Site Sampling Event: CWLP Ash Pond- 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24010117

CWLP- Ash Pond- 1Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-11	2/26/2024	11:02	14.42	12.7	54.9	6.42	1,110.3	1.39	7.26	85.50
AP-11	2/26/2024	11:05	14.42	12.7	54.9	6.43	1,106.0	1.22	6.62	86.30
AP-11	2/26/2024	11:08	14.42	12.8	55.0	6.45	1,103.0	1.12	5.21	86.70



Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Form- Groundwater Quality Parameters

CWLP- Ash Pond- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-12	2/26/2024	11:51	17.35	14.1	57.4	6.53	1,404.8	0.68	32.04	-18.60
AP-12	2/26/2024	11:54	17.35	14.2	57.6	6.53	1,401.3	0.66	24.22	-21.40
AP-12	2/26/2024	11:57	17.35	14.2	57.6	6.53	1,399.1	0.66	32.32	-23.90
AP-12	2/26/2024	12:00	17.35	14.2	57.6	6.53	1,396.3	0.67	27.25	-25.80

Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Form- Groundwater Quality Parameters

CWLP- Ash Pond- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-13	2/26/2024	12:25	17.10	13.9	57.0	6.76	708.6	1.08	12.84	-31.60
AP-13	2/26/2024	12:28	17.10	13.9	57.0	6.75	710.6	1.00	12.91	-37.70
AP-13	2/26/2024	12:31	17.10	13.8	56.8	6.74	709.8	1.03	12.76	-42.80
AP-13	2/26/2024	12:34	17.10	13.8	56.8	6.73	709.8	0.87	10.08	-47.20

Site Sampling Event: CWLP Ash Pond- 1Q24

LIMS Workorder: 24010117

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

Groundwater Sampling Form- Groundwater Quality Parameters

CWLP- Ash Pond- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP-14	2/23/2024	10:19	1.72	11.2	52.2	6.92	1,539.7	1.50	36.92	102.60
AP-14	2/23/2024	10:22	1.72	11.2	52.2	6.93	1,529.0	1.33	23.39	100.00
AP-14	2/23/2024	10:25	1.72	11.4	52.5	6.93	1,529.4	1.44	24.44	97.80



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

March 15, 2024

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:
RE: 24010117

Order No.: 24030039

Dear Shelly Hennessy:

Summit Environmental Technologies, Inc. received 15 sample(s) on 2/29/2024 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,

A handwritten signature in black ink that reads 'Jennifer M. Woolf'.

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



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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

Case Narrative

WO#: 24030039
Date: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117

WorkOrder Narrative:

24030039: 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.

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.



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Workorder
Sample Summary
 WO#: **24030039**
15-Mar-24

CLIENT: TEKLAB Inc,
Project: 24010117

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24030039-001	24010117-001		2/21/2024 11:38:00 AM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-002	24010117-002		2/21/2024 1:41:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-003	24010117-003		2/22/2024 11:24:00 AM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-004	24010117-004		2/22/2024 12:03:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-005	24010117-005		2/23/2024 11:21:00 AM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-006	24010117-006		2/22/2024 1:44:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-007	24010117-007		2/22/2024 10:40:00 AM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-008	24010117-008		2/26/2024 2:20:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-009	24010117-009		2/21/2024 12:24:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-010	24010117-010		2/26/2024 1:50:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-011	24010117-011		2/21/2024 2:36:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-012	24010117-012		2/26/2024 11:08:00 AM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-013	24010117-013		2/26/2024 12:00:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-014	24010117-014		2/26/2024 12:34:00 PM	2/29/2024 12:25:00 PM	Non-Potable Water
24030039-015	24010117-015		2/23/2024 10:25:00 AM	2/29/2024 12:25:00 PM	Non-Potable Water



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DATES REPORT

WO#: 24030039

15-Mar-24

Client: TEKLAB Inc,
Project: 24010117

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24030039-001A	24010117-001	2/21/2024 11:38:00 AM	Non-Potable Water	Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-002A	24010117-002	2/21/2024 1:41:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-003A	24010117-003	2/22/2024 11:24:00 AM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-004A	24010117-004	2/22/2024 12:03:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-005A	24010117-005	2/23/2024 11:21:00 AM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-006A	24010117-006	2/22/2024 1:44:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-007A	24010117-007	2/22/2024 10:40:00 AM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-008A	24010117-008	2/26/2024 2:20:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM

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DATES REPORT

WO#: **24030039**
15-Mar-24

Client: TEKLAB Inc,
Project: 24010117

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24030039-008A	24010117-008	2/26/2024 2:20:00 PM	Non-Potable Water	Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-009A	24010117-009	2/21/2024 12:24:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-010A	24010117-010	2/26/2024 1:50:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-011A	24010117-011	2/21/2024 2:36:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-012A	24010117-012	2/26/2024 11:08:00 AM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-013A	24010117-013	2/26/2024 12:00:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-014A	24010117-014	2/26/2024 12:34:00 PM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM
24030039-015A	24010117-015	2/23/2024 10:25:00 AM		Combined Radium (EPA903+904)			3/15/2024 7:25:39 AM
				Radium-226 (EPA 903.0)		3/5/2024 11:12:34 AM	3/11/2024 10:03:00 AM
				Radium-228 (EPA 904.0)		3/5/2024 11:12:34 AM	3/8/2024 2:17:00 PM

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Analytical Report

(consolidated)

WO#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-001
Client Sample ID: 24010117-001

Collection Date: 2/21/2024 11:38:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.340	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0800	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.260	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-002
Client Sample ID: 24010117-002

Collection Date: 2/21/2024 1:41:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.410	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.340	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-003
Client Sample ID: 24010117-003

Collection Date: 2/22/2024 11:24:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.410	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0600	1	3/11/2024 10:03:00 AM
Yield	0.980					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.350	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-004
Client Sample ID: 24010117-004

Collection Date: 2/22/2024 12:03:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.320	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0500	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.270	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-005
Client Sample ID: 24010117-005

Collection Date: 2/23/2024 11:21:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.470	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.110	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.360	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-006
Client Sample ID: 24010117-006

Collection Date: 2/22/2024 1:44:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION			Analyst: CXS
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.390	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904	Analyst: HDJ
Radium-226	ND	1.00		pCi/L	± 0.0200	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904	Analyst: HDJ
Radium-228	ND	1.00		pCi/L	± 0.370	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-007
Client Sample ID: 24010117-007

Collection Date: 2/22/2024 10:40:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.320	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0500	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.270	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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



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

Analytical Report

(consolidated)

WO#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-008
Client Sample ID: 24010117-008

Collection Date: 2/26/2024 2:20:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.530	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0900	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.440	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-009
Client Sample ID: 24010117-009

Collection Date: 2/21/2024 12:24:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.540	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.120	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.420	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-010
Client Sample ID: 24010117-010

Collection Date: 2/26/2024 1:50:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.420	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0900	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.330	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-011
Client Sample ID: 24010117-011

Collection Date: 2/21/2024 2:36:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.550	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.110	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.440	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-012
Client Sample ID: 24010117-012

Collection Date: 2/26/2024 11:08:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.370	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0300	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.340	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-013
Client Sample ID: 24010117-013

Collection Date: 2/26/2024 12:00:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.420	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.350	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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#: **24030039**

Date Reported: **3/15/2024**

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-014
Client Sample ID: 24010117-014

Collection Date: 2/26/2024 12:34:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.360	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0800	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.280	1	3/8/2024 2:17:00 PM
Yield	0.970					1	3/8/2024 2:17:00 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#: 24030039

Date Reported: 3/15/2024

CLIENT: TEKLAB Inc,
Project: 24010117
Lab ID: 24030039-015
Client Sample ID: 24010117-015

Collection Date: 2/23/2024 10:25:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)				CALCULATION		Analyst: CXS	
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.420	1	3/15/2024 7:25:39 AM
RADIUM-226 (EPA 903.0)				E903.0		E903-904 Analyst: HDJ	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	3/11/2024 10:03:00 AM
Yield	1.00					1	3/11/2024 10:03:00 AM
RADIUM-228 (EPA 904.0)				E904.0		E903-904 Analyst: HDJ	
Radium-228	ND	1.00		pCi/L	± 0.350	1	3/8/2024 2:17:00 PM
Yield	1.00					1	3/8/2024 2:17:00 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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QC SUMMARY REPORT

WO#: 24030039

15-Mar-24

Client: TEKLAB Inc,

Project: 24010117

BatchID: 73522

Sample ID: MB-73522	SampType: MBLK	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: PBW	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923941						
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-73522	SampType: LCS	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: LCSW	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923942						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.32	1.00	5.000	0	66.4	50	130				
Yield	1.00			0	0						

Sample ID: LCSD-73522	SampType: LCSD	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: LCSS02	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923943						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.49	1.00	5.000	0	69.8	50	130	3.320	4.99	20	
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



Summit Environmental Technologies, Inc.
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QC SUMMARY REPORT

WO#: 24030039

15-Mar-24

Client: TEKLAB Inc,

Project: 24010117

BatchID: 73522

Sample ID: RLC-73522	SampType: RLC	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: BatchQC	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923945						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	1.01	1.00	1.000	0	101	50	150				
Yield	1.00			0	0						

Sample ID: RLCD-73522	SampType: RLC	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: BatchQC	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923946						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00	1.000	0	70.0	50	150				
Yield	1.00			0	0						

Sample ID: 24030092-001ADUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: BatchQC	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923950						
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			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



Summit Environmental Technologies, Inc.
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QC SUMMARY REPORT

WO#: **24030039**
15-Mar-24

Client: TEKLAB Inc,
Project: 24010117

BatchID: 73522

Sample ID: 24030092-002ADUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181655						
Client ID: BatchQC	Batch ID: 73522	TestNo: E904.0	E903-904	Analysis Date: 3/8/2024	SeqNo: 4923952						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	2.41	1.00		0	0			2.380	1.25	20	
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



Summit Environmental Technologies, Inc.
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QC SUMMARY REPORT

WO#: 24030039

15-Mar-24

Client: TEKLAB Inc,
Project: 24010117

BatchID: 73522

Sample ID: MB-73522	SampType: MBLK	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663
Client ID: PBW	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924195
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-73522	SampType: LCS	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663
Client ID: LCSW	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924196
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	5.34	1.00	5.000	0	107 70 130

Sample ID: LCSD-73522	SampType: LCSD	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663
Client ID: LCSS02	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924197
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	4.64	1.00	5.000	0	92.8 70 130 5.340 14.0 20

Sample ID: RLC-73522	SampType: RLC	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663
Client ID: BatchQC	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924199
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#: 24030039

15-Mar-24

Client: TEKLAB Inc,

Project: 24010117

BatchID: 73522

Sample ID: RLC-73522	SampType: RLC	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663						
Client ID: BatchQC	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924199						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00	1.000	0	91.0	50	150				

Sample ID: RLCD-73522	SampType: RLC	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663						
Client ID: BatchQC	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924200						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00	1.000	0	78.0	50	150				

Sample ID: 24030092-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 3/5/2024	RunNo: 181663						
Client ID: BatchQC	Batch ID: 73522	TestNo: E903.0	E903-904	Analysis Date: 3/11/2024	SeqNo: 4924202						
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

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc **11.0-0.2 = 10.8°C**, **11.2-0.2 = 11.0°C**
 5445 Horseshoe Lake Road **13.5-0.2 = 13.3°C**
 Collinsville, IL 62234 Cooler Temp: Sampler: QC Level:

Comments: **Please Issue reports and invoices via email only**
 Please analyze for Radium (226, 228, and combined) on your standard turnaround time.
 Receipt summary requested.

Project#

Contact: Email:
 Requested Due Date: Billing/PO:

Phone: State of Origin:

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. Changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226	Radium 228	Combined Radium		CPM			PH			
	24010117-001	2/21/24 1138	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-002	2/21/24 1341	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-003	2/22/24 1124	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-004	2/22/24 1203	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18	34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-005	2/23/24 1121	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-006	2/22/24 1344	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-007	2/22/24 1040	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-008	2/26/24 1420	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-009	2/21/24 1224	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	38	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-010	2/26/24 1350	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23	38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24010117-011	2/21/24 1436	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	2/27/24 1700	<i>[Signature]</i>	2/29/24, 1225

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium (226, 228, and combined) on your standard turnaround time.
Receipt summary requested.

Contact: Email:
Requested Due Date: Billing/PO:

Phone: State of Origin:

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. Changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226	Radium 228	Combined Radium											
	24010117-012	2/26/24 1108	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			CPM								
	24010117-013	2/26/24 1200	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
	24010117-014	2/26/24 1234	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
	24010117-015	2/23/24 1025	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											

*Relinquished By	Date/Time	Received By	Date/Time
<i>Shelly Hennessy</i>	2/27/24 1200		



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

Sample Log-In Check List

Client Name: TEK-IL-62234-A

Work Order Number: 24030039

RcptNo: 1

Logged by:	Tegan A. Richards	2/29/2024 12:25:00 PM	<i>Tegan Richards</i>
Completed By:	Salwa A. Najjar	3/1/2024 1:22:39 PM	<i>Salwa Najjar</i>
Reviewed By:	Jennifer Woolf	3/1/2024 2:15:22 PM	<i>Jennifer Woolf</i>

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° 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	10.8	Good	Not Present			



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

Sample Log-In Check List

Client Name: TEK-IL-62234-A

Work Order Number: 24030039

RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
2	11.0	Good	Not Present			
3	13.3	Good	Not Present			

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

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	27
Chain of Custody	Appended

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



Case Narrative

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 24050003
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



Accreditations

<http://www.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



Laboratory Results

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

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

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

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



Laboratory Results

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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



Laboratory Results

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

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



Laboratory Results

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

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



Laboratory Results

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

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



Laboratory Results

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

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



Laboratory Results

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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



Laboratory Results

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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



Laboratory Results

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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



Laboratory Results

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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



Laboratory Results

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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



Laboratory Results

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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

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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



Laboratory Results

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

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:

Reviewed by:

On:

10-May-24

Paul Schultz

On:

14-May-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 12.1
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input checked="" type="checkbox"/>	Lab <input type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

CHAIN OF CUSTODY

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

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:

Samples on: ICE BLUE ICE NO ICE 12.1 °C
 Preserved in: LAB FIELD FOR LAB USE ONLY *CTG#5*
 LAB NOTES: *#119 side 1*
Added HNO₃ (92257) to T-2 9/5/10

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

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

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
T. Carrell

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

BILLING INSTRUCTIONS

and Type of Containers **INDICATE ANALYSIS REQUESTED**

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
24050003-001	RW-3	5/9/24 12/2	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
002	AP-1		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
003	AP-2		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
004	AP-3		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
005	AP-4		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
006	AP-5		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
007	AP-6		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
008	AP-7		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
009	AP-8		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
010	AP-9		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
011	AP-10		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished By	Date/Time	Received By	Date/Time
<u>Daniel Crouse</u>	<u>5-9/1635</u>	<u>Miss Reed</u>	<u>5/9/24 1635</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

CHAIN OF CUSTODY

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

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:

Samples on: ICE BLUE ICE NO ICE 12.1 °C
 Preserved in: LAB FIELD FOR LAB USE ONLY
 LAB NOTES:

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

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

PROJECT NAME/NUMBER: Ash Pond Monitoring Wells
 SAMPLE COLLECTOR'S NAME: T Carroll

RESULTS REQUESTED: Standard 1-2 Day (100% Surcharge) Other 3 Day (50% Surcharge)
 BILLING INSTRUCTIONS:

and Type of Containers INDICATE ANALYSIS REQUESTED

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
<u>24050003</u>	<u>012 AP-11</u>	<u>14:28 5/9/24</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>013 AP-12</u>	<u>13:14 5/9/24</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>014 AP-13</u>	<u>1350 5/9/24</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>015 AP-14</u>	<u>TE 5/15/24</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>016 T-1</u>	<u>11:10 5/9/24</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>017 T-2</u>	<u>1145 5/9/24</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>018 T-4</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>019 T-5</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>020 T-6</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			<u>Groundwater</u>															
			<u>Groundwater</u>															

Relinquished By	Date/Time	Received By	Date/Time
<u>Daniel Crump</u>	<u>5-9/1635</u>	<u>Prin Row</u>	<u>5/9/24 1635</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

CHAIN OF CUSTODY

1-76-7

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

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:

Samples on: ICE BLUE ICE NO ICE 83 °C
Preserved in: LAB FIELD **FOR LAB USE ONLY**
LAB NOTES: pH 9.6, 5.10, 5.10, 10

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

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 Gelp

RESULTS REQUESTED: Standard 1-2 Day (100% Surcharge)
 Other 3 Day (50% Surcharge)
BILLING INSTRUCTIONS:

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers										INDICATE ANALYSIS REQUESTED														
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity										
24050003-001	RW-3		Groundwater	1	2																							
	002 AP-1		Groundwater	1	2																							
	003 AP-2		Groundwater	1	2																							
	004 AP-3		Groundwater	1	2																							
	005 AP-4		Groundwater	1	2																							
	006 AP-5		Groundwater	1	2																							
	007 AP-6	5-10-24 / 1013	Groundwater	1	2																							
	008 AP-7		Groundwater	1	2																							
	009 AP-8	5-10-24 / 1035	Groundwater	1	2																							
	010 AP-9		Groundwater	1	2																							
	011 AP-10		Groundwater	1	2																							

Relinquished By: J. Gelp Date/Time: 5-10-24 / 1330
Received By: [Signature] Date/Time: 5/10/24 1330

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

CHAIN OF CUSTODY

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: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>19.3 °C (67)</u> Preserved in: <input checked="" type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY LAB NOTES: <u>Added HNO₃ (97737) to AR-10 96651 ml 5/13</u>																																																																																																																																																																																																																																					
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file				Client Comments: *elevations, pH, conductivity, temperature **Sb As Se TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Li Hg Mo Quarterly monitoring																																																																																																																																																																																																																																					
PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>		SAMPLE COLLECTOR'S NAME <u>Justin Colp</u>		# and Type of Containers UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other		INDICATE ANALYSIS REQUESTED Field Turbidity Radium-228 Radium-226 Metals (T)** Cl F SO4 TDS (T) Field parameters*																																																																																																																																																																																																																																			
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CHAIN OF CUSTODY

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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: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>8/10 °C</u> Preserved in: <input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> <u>LTG#7</u> LAB NOTES: <u>9/6/14</u> <u>MA</u> <u>5/14</u>																																																																																																																																																							
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PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>Justin Colp</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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<u>013</u>	AP-12		Groundwater	1	2								✓	✓	✓	✓	✓	✓																			
<u>014</u>	AP-13		Groundwater	1	2								✓	✓	✓	✓	✓	✓																			
<u>015</u>	AP-14	<u>5-14-24 / 1038</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓																			
<u>016</u>	T-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓																			
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<u>018</u>	T-4	<u>5-14-24 / 1236</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓																			
<u>019</u>	T-5	<u>5-14-24 / 1103</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓																			
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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 μ S 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 μ S	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.
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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,

A handwritten signature in black ink that reads 'Jennifer M. Woolf'.

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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 Cuyahoga Falls, Ohio 44223
 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



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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
24051620-012A	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

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Analytical Report

(consolidated)

WO#: **24051620**

Date Reported: **6/12/2024**

CLIENT: TEKLAB Inc,
Project: 24050003
Lab ID: 24051620-001
Client Sample ID: 24050003-001

Collection Date: 5/9/2024 12:12:00 PM

Matrix: NON-POTABLE WATER

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		

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,
Project: 24050003
Lab ID: 24051620-002
Client Sample ID: 24050003-002

Collection Date: 5/13/2024 11:01:00 AM

Matrix: NON-POTABLE WATER

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		

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Analytical Report

(consolidated)

WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,
Project: 24050003
Lab ID: 24051620-003
Client Sample ID: 24050003-003

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-004
Client Sample ID: 24050003-004

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-005
Client Sample ID: 24050003-005

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-006
Client Sample ID: 24050003-006

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-007
Client Sample ID: 24050003-007

Collection Date: 5/10/2024 10:13:00 AM

Matrix: NON-POTABLE WATER

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		

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Analytical Report

(consolidated)

WO#: **24051620**

Date Reported: **6/12/2024**

CLIENT: TEKLAB Inc,
Project: 24050003
Lab ID: 24051620-008
Client Sample ID: 24050003-008

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-009
Client Sample ID: 24050003-009

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-010
Client Sample ID: 24050003-010

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-011
Client Sample ID: 24050003-011

Collection Date: 5/13/2024 2:08:00 PM

Matrix: NON-POTABLE WATER

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,
Project: 24050003
Lab ID: 24051620-012
Client Sample ID: 24050003-012

Collection Date: 5/9/2024 11:10:00 AM

Matrix: NON-POTABLE WATER

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,
Project: 24050003
Lab ID: 24051620-013
Client Sample ID: 24050003-013

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

Matrix: NON-POTABLE WATER

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	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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WO#: **24051620**

Date Reported: **6/12/2024**

CLIENT: TEKLAB Inc,
Project: 24050003
Lab ID: 24051620-014
Client Sample ID: 24050003-014

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

Matrix: NON-POTABLE WATER

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	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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WO#: 24051620

Date Reported: 6/12/2024

CLIENT: TEKLAB Inc,
Project: 24050003
Lab ID: 24051620-015
Client Sample ID: 24050003-015

Collection Date: 5/14/2024 10:38:00 AM

Matrix: NON-POTABLE WATER

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,
Project: 24050003
Lab ID: 24051620-016
Client Sample ID: 24050003-016

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-017
Client Sample ID: 24050003-017

Collection Date: 5/9/2024 11:45:00 AM

Matrix: NON-POTABLE WATER

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,
Project: 24050003
Lab ID: 24051620-018
Client Sample ID: 24050003-018

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-019
Client Sample ID: 24050003-019

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

Matrix: NON-POTABLE WATER

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	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,
Project: 24050003
Lab ID: 24051620-020
Client Sample ID: 24050003-020

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

Matrix: NON-POTABLE WATER

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	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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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 QLR

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

24051620

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: 20.0-21.8°C Sampler: Client QC Level: 2

20.0 to 0.0 =
21.9 to 0.0 =
Fedex, cooler

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
<i>Shelly Hennessy</i>	5/14/24	<i>[Signature]</i>	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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

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#

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.

Radium 226/228	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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 [Signature]</i>	5/14/24		



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

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	<i>Tegan Richards</i>
Completed By:	Tegan A. Richards	5/21/2024 1:52:00 PM	<i>Tegan Richards</i>
Reviewed By:	Jennifer Woolf	5/21/2024 2:16:21 PM	<i>Jennifer Woolf</i>

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° 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

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			

September 18, 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: 24080242

Dear Eric Staley:

TEKLAB, INC received 20 samples on 8/13/2024 2:27:00 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: 24080242

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Sep-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	36
Chain of Custody	Appended

Client: City Water, Light & Power

Work Order: 24080242

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Sep-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: 24080242

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Sep-24

Qualifiers

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 24080242
Report Date: 18-Sep-24

Cooler Receipt Temp: 12.1 °C

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

AP-3 well is damaged, will be collected at a later date.

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: 24080242

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Sep-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	12/31/2024	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: 24080242-001
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: RW-3

Collection Date: 08/12/2024 10:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.49	ft	1	08/12/2024 10:18	R352005
Depth to water	*	-5.00		8.61	ft	1	08/12/2024 10:18	R352005
Depth to water from measuring point	*	0		11.31	ft	1	08/12/2024 10:18	R352005
Elevation of groundwater surface	*	0		528.19	ft	1	08/12/2024 10:18	R352005
Measuring Point Elevation	*	0		539.50	ft	1	08/12/2024 10:18	R352005
Measuring Point Height Above Land Surface	*	0		2.70	ft	1	08/12/2024 10:18	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		39	NTU	1	08/12/2024 10:18	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.3	°F	1	08/12/2024 10:18	R352005
SW-846 9040B								
pH, Field	*	1.00		7.23		1	08/12/2024 10:18	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		698	umhos/cm @25C	1	08/12/2024 10:18	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		344	mg/L	1	08/16/2024 9:41	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10	S	14	mg/L	1	08/20/2024 11:28	R352032
<i>Matrix spike did not recover within control limits. Results verify by dilution.</i>								
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.43	mg/L	1	08/19/2024 9:31	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		29	mg/L	1	08/20/2024 11:27	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.146	mg/L	1	08/14/2024 17:13	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:13	227065
Boron	NELAP	0.0200		0.122	mg/L	1	08/14/2024 17:13	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:13	227065
Calcium	NELAP	0.100		63.2	mg/L	1	08/14/2024 17:13	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:13	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:13	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:13	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:13	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 9:54	227065
Arsenic	NELAP	0.0010		0.107	mg/L	5	08/14/2024 22:56	227065
Lithium	*	0.0030		0.0038	mg/L	5	08/14/2024 22:56	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 22:56	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 22:56	227065
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:31	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/10/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-001
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: RW-3
Collection Date: 08/12/2024 10:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/10/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-002
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-1

Collection Date: 08/12/2024 11:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		504.29	ft	1	08/12/2024 11:19	R352005
Depth to water	*	-5.00		9.07	ft	1	08/12/2024 11:19	R352005
Depth to water from measuring point	*	0		11.34	ft	1	08/12/2024 11:19	R352005
Elevation of groundwater surface	*	0		524.03	ft	1	08/12/2024 11:19	R352005
Measuring Point Elevation	*	0		535.37	ft	1	08/12/2024 11:19	R352005
Measuring Point Height Above Land Surface	*	0		2.27	ft	1	08/12/2024 11:19	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.6	NTU	1	08/12/2024 11:19	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.3	°F	1	08/12/2024 11:19	R352005
SW-846 9040B								
pH, Field	*	1.00		6.70		1	08/12/2024 11:19	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1880	umhos/cm @25C	1	08/12/2024 11:19	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1530	mg/L	1	08/16/2024 9:44	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		836	mg/L	20	08/20/2024 12:10	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.20	mg/L	1	08/19/2024 9:33	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	8		59	mg/L	2	08/22/2024 9:08	R352158
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.269	mg/L	1	08/14/2024 17:15	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:15	227065
Boron	NELAP	0.200		22.9	mg/L	10	08/15/2024 13:58	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:15	227065
Calcium	NELAP	0.100		244	mg/L	1	08/14/2024 17:15	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:15	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:15	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:15	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:15	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 9:59	227065
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:01	227065
Lithium	*	0.0030		0.0103	mg/L	5	08/14/2024 23:01	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:01	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 23:01	227065
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:34	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/10/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/10/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-003
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-2
 Collection Date: 08/12/2024 13:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.77	ft	1	08/12/2024 13:04	R352005
Depth to water	*	-5.00		5.99	ft	1	08/12/2024 13:04	R352005
Depth to water from measuring point	*	0		8.49	ft	1	08/12/2024 13:04	R352005
Elevation of groundwater surface	*	0		527.61	ft	1	08/12/2024 13:04	R352005
Measuring Point Elevation	*	0		536.10	ft	1	08/12/2024 13:04	R352005
Measuring Point Height Above Land Surface	*	0		2.50	ft	1	08/12/2024 13:04	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		32	NTU	1	08/12/2024 13:04	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		62.3	°F	1	08/12/2024 13:04	R352005
SW-846 9040B								
pH, Field	*	1.00		6.58		1	08/12/2024 13:04	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1510	umhos/cm @25C	1	08/12/2024 13:04	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1110	mg/L	1	08/16/2024 9:44	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		417	mg/L	20	08/20/2024 12:18	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.25	mg/L	1	08/19/2024 9:35	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		39	mg/L	1	08/20/2024 12:13	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0751	mg/L	1	08/14/2024 17:16	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:16	227065
Boron	NELAP	0.0200		3.10	mg/L	1	08/14/2024 17:16	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:16	227065
Calcium	NELAP	0.100		206	mg/L	1	08/14/2024 17:16	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:16	227065
Cobalt	NELAP	0.0050		0.0073	mg/L	1	08/14/2024 17:16	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:16	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:16	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 10:05	227065
Arsenic	NELAP	0.0010		0.0031	mg/L	5	08/14/2024 23:06	227065
Lithium	*	0.0030		0.0081	mg/L	5	08/14/2024 23:06	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:06	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 23:06	227065
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:36	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/10/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/10/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-005
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-4

Collection Date: 08/12/2024 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.19	ft	1	08/12/2024 12:35	R352005
Depth to water	*	-5.00		7.69	ft	1	08/12/2024 12:35	R352005
Depth to water from measuring point	*	0		10.83	ft	1	08/12/2024 12:35	R352005
Elevation of groundwater surface	*	0		544.77	ft	1	08/12/2024 12:35	R352005
Measuring Point Elevation	*	0		555.60	ft	1	08/12/2024 12:35	R352005
Measuring Point Height Above Land Surface	*	0		3.14	ft	1	08/12/2024 12:35	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		34	NTU	1	08/12/2024 12:35	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		65.1	°F	1	08/12/2024 12:35	R352005
SW-846 9040B								
pH, Field	*	1.00		6.97		1	08/12/2024 12:35	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		935	umhos/cm @25C	1	08/12/2024 12:35	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		510	mg/L	1	08/16/2024 9:56	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		< 10	mg/L	1	08/20/2024 12:21	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.15	mg/L	1	08/19/2024 9:42	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		15	mg/L	1	08/20/2024 12:21	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.374	mg/L	1	08/14/2024 17:18	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:18	227065
Boron	NELAP	0.0200		0.0825	mg/L	1	08/14/2024 17:18	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:18	227065
Calcium	NELAP	0.100	S	118	mg/L	1	08/14/2024 17:18	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:18	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:18	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:18	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:18	227065
<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	08/15/2024 10:21	227065
Arsenic	NELAP	0.0010		0.0207	mg/L	5	08/14/2024 23:22	227065
Lithium	*	0.0030		0.0072	mg/L	5	08/14/2024 23:22	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:22	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 23:22	227065
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:38	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-005
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: AP-4
Collection Date: 08/12/2024 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pCi/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-006
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-5
 Collection Date: 08/12/2024 11:59

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		552.63	ft	1	08/12/2024 11:59	R352005
Depth to water	*	-5.00		15.04	ft	1	08/12/2024 11:59	R352005
Depth to water from measuring point	*	0		17.34	ft	1	08/12/2024 11:59	R352005
Elevation of groundwater surface	*	0		566.56	ft	1	08/12/2024 11:59	R352005
Measuring Point Elevation	*	0		583.90	ft	1	08/12/2024 11:59	R352005
Measuring Point Height Above Land Surface	*	0		2.30	ft	1	08/12/2024 11:59	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		1.5	NTU	1	08/12/2024 11:59	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.0	°F	1	08/12/2024 11:59	R352005
SW-846 9040B								
pH, Field	*	1.00		7.07		1	08/12/2024 11:59	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		767	umhos/cm @25C	1	08/12/2024 11:59	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		422	mg/L	1	08/16/2024 9:56	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	20		63	mg/L	2	08/20/2024 12:34	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.32	mg/L	1	08/19/2024 9:44	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		8	mg/L	1	08/20/2024 12:29	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0521	mg/L	1	08/14/2024 17:23	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:23	227065
Boron	NELAP	0.0200		0.0339	mg/L	1	08/14/2024 17:23	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:23	227065
Calcium	NELAP	0.100		96.3	mg/L	1	08/14/2024 17:23	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:23	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:23	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:23	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:23	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 10:10	227065
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:12	227065
Lithium	*	0.0030		0.0062	mg/L	5	08/14/2024 23:12	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:12	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 23:12	227065
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:40	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-007
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-6

Collection Date: 08/12/2024 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		498.20	ft	1	08/12/2024 10:50	R352005
Depth to water	*	-5.00		7.33	ft	1	08/12/2024 10:50	R352005
Depth to water from measuring point	*	0		9.75	ft	1	08/12/2024 10:50	R352005
Elevation of groundwater surface	*	0		528.07	ft	1	08/12/2024 10:50	R352005
Measuring Point Elevation	*	0		537.82	ft	1	08/12/2024 10:50	R352005
Measuring Point Height Above Land Surface	*	0		2.42	ft	1	08/12/2024 10:50	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		30	NTU	1	08/12/2024 10:50	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.2	°F	1	08/12/2024 10:50	R352005
SW-846 9040B								
pH, Field	*	1.00		7.16		1	08/12/2024 10:50	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		723	umhos/cm @25C	1	08/12/2024 10:50	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		396	mg/L	1	08/16/2024 9:57	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10	S	11	mg/L	1	08/20/2024 12:40	R352032
<i>Matrix spike did not recover within control limits. Results verify by dilution.</i>								
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.56	mg/L	1	08/19/2024 9:46	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		37	mg/L	1	08/20/2024 12:39	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.152	mg/L	1	08/14/2024 17:24	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:24	227065
Boron	NELAP	0.0200		0.250	mg/L	1	08/14/2024 17:24	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:24	227065
Calcium	NELAP	0.100		65.6	mg/L	1	08/14/2024 17:24	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:24	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:24	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:24	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:24	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 10:16	227065
Arsenic	NELAP	0.0010		0.0074	mg/L	5	08/14/2024 23:17	227065
Lithium	*	0.0030		0.0098	mg/L	5	08/14/2024 23:17	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:17	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 23:17	227065
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:43	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power

Work Order: 24080242

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Sep-24

Lab ID: 24080242-007

Client Sample ID: AP-6

Matrix: GROUNDWATER

Collection Date: 08/12/2024 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-008
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-7
 Collection Date: 08/12/2024 13:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		496.50	ft	1	08/12/2024 13:52	R352005
Depth to water	*	-5.00		9.36	ft	1	08/12/2024 13:52	R352005
Depth to water from measuring point	*	0		12.02	ft	1	08/12/2024 13:52	R352005
Elevation of groundwater surface	*	0		527.00	ft	1	08/12/2024 13:52	R352005
Measuring Point Elevation	*	0		539.02	ft	1	08/12/2024 13:52	R352005
Measuring Point Height Above Land Surface	*	0		2.66	ft	1	08/12/2024 13:52	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		19	NTU	1	08/12/2024 13:52	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.0	°F	1	08/12/2024 13:52	R352005
SW-846 9040B								
pH, Field	*	1.00		7.20		1	08/12/2024 13:52	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		733	umhos/cm @25C	1	08/12/2024 13:52	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		386	mg/L	1	08/16/2024 9:57	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		14	mg/L	1	08/20/2024 13:17	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.46	mg/L	1	08/19/2024 9:47	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		50	mg/L	1	08/20/2024 13:17	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.108	mg/L	1	08/14/2024 17:26	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:26	227065
Boron	NELAP	0.0200		0.244	mg/L	1	08/14/2024 17:26	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:26	227065
Calcium	NELAP	0.100		59.5	mg/L	1	08/14/2024 17:26	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:26	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:26	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:26	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:26	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0016	mg/L	5	08/15/2024 11:01	227065
Arsenic	NELAP	0.0010		0.0438	mg/L	5	08/14/2024 23:59	227065
Lithium	*	0.0030		0.0063	mg/L	5	08/15/2024 11:01	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/14/2024 23:59	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/14/2024 23:59	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:45	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-008
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: AP-7
Collection Date: 08/12/2024 13:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-009
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-8

Collection Date: 08/13/2024 11:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		497.60	ft	1	08/13/2024 11:06	R352005
Depth to water	*	-5.00		4.07	ft	1	08/13/2024 11:06	R352005
Depth to water from measuring point	*	0		6.97	ft	1	08/13/2024 11:06	R352005
Elevation of groundwater surface	*	0		530.23	ft	1	08/13/2024 11:06	R352005
Measuring Point Elevation	*	0		537.20	ft	1	08/13/2024 11:06	R352005
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	08/13/2024 11:06	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		34	NTU	1	08/13/2024 11:06	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.7	°F	1	08/13/2024 11:06	R352005
SW-846 9040B								
pH, Field	*	1.00		7.03		1	08/13/2024 11:06	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1000	umhos/cm @25C	1	08/13/2024 11:06	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		526	mg/L	1	08/16/2024 9:57	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		11	mg/L	1	08/20/2024 13:25	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.33	mg/L	1	08/19/2024 9:49	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		35	mg/L	1	08/20/2024 13:25	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.407	mg/L	1	08/15/2024 15:55	227124
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/15/2024 15:55	227124
Boron	NELAP	0.0200		0.0855	mg/L	1	08/15/2024 15:55	227124
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/15/2024 15:55	227124
Calcium	NELAP	0.100		89.5	mg/L	1	08/15/2024 15:55	227124
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 15:55	227124
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 15:55	227124
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/15/2024 15:55	227124
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/15/2024 15:55	227124
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:01	227124
Arsenic	NELAP	0.0010		0.0414	mg/L	5	08/15/2024 14:01	227124
Lithium	*	0.0030		0.0075	mg/L	5	08/15/2024 14:01	227124
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:01	227124
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 14:01	227124
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/15/2024 16:13	227118
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-010
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24
 Client Sample ID: AP-9
 Collection Date: 08/12/2024 14:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		500.70	ft	1	08/12/2024 14:21	R352005
Depth to water	*	-5.00		10.79	ft	1	08/12/2024 14:21	R352005
Depth to water from measuring point	*	0		13.89	ft	1	08/12/2024 14:21	R352005
Elevation of groundwater surface	*	0		526.41	ft	1	08/12/2024 14:21	R352005
Measuring Point Elevation	*	0		540.30	ft	1	08/12/2024 14:21	R352005
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	08/12/2024 14:21	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		36	NTU	1	08/12/2024 14:21	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		61.6	°F	1	08/12/2024 14:21	R352005
SW-846 9040B								
pH, Field	*	1.00		6.89		1	08/12/2024 14:21	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1070	umhos/cm @25C	1	08/12/2024 14:21	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		558	mg/L	1	08/16/2024 9:57	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		25	mg/L	1	08/20/2024 13:33	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.26	mg/L	1	08/19/2024 9:51	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		29	mg/L	1	08/20/2024 13:33	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.405	mg/L	1	08/14/2024 17:35	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:35	227065
Boron	NELAP	0.0200		0.0979	mg/L	1	08/14/2024 17:35	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:35	227065
Calcium	NELAP	0.100		103	mg/L	1	08/14/2024 17:35	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:35	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:35	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:35	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:35	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0017	mg/L	5	08/15/2024 11:06	227065
Arsenic	NELAP	0.0010		0.0028	mg/L	5	08/15/2024 0:04	227065
Lithium	*	0.0030		0.0069	mg/L	5	08/15/2024 11:06	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:04	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 0:04	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:56	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-010
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: AP-9
Collection Date: 08/12/2024 14:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-011
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-10

Collection Date: 08/13/2024 10:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		499.43	ft	1	08/13/2024 10:43	R352005
Depth to water	*	-5.00		2.29	ft	1	08/13/2024 10:43	R352005
Depth to water from measuring point	*	0		5.39	ft	1	08/13/2024 10:43	R352005
Elevation of groundwater surface	*	0		532.11	ft	1	08/13/2024 10:43	R352005
Measuring Point Elevation	*	0		537.50	ft	1	08/13/2024 10:43	R352005
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	08/13/2024 10:43	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		3.1	NTU	1	08/13/2024 10:43	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		62.7	°F	1	08/13/2024 10:43	R352005
SW-846 9040B								
pH, Field	*	1.00		6.53		1	08/13/2024 10:43	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1230	umhos/cm @25C	1	08/13/2024 10:43	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		796	mg/L	1	08/16/2024 10:20	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		108	mg/L	5	08/20/2024 13:59	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.32	mg/L	1	08/19/2024 9:53	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		30	mg/L	1	08/20/2024 13:54	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.638	mg/L	1	08/15/2024 15:56	227124
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/15/2024 15:56	227124
Boron	NELAP	0.0200		3.90	mg/L	1	08/15/2024 15:56	227124
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/15/2024 15:56	227124
Calcium	NELAP	0.100		133	mg/L	1	08/15/2024 15:56	227124
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 15:56	227124
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 15:56	227124
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/15/2024 15:56	227124
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/15/2024 15:56	227124
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:07	227124
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:07	227124
Lithium	*	0.0030		0.0094	mg/L	5	08/15/2024 14:07	227124
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:07	227124
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 14:07	227124
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/15/2024 16:15	227118
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-012
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24
 Client Sample ID: AP-11
 Collection Date: 08/12/2024 12:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.15	ft	1	08/12/2024 12:07	R352005
Depth to water	*	-5.00		13.02	ft	1	08/12/2024 12:07	R352005
Depth to water from measuring point	*	0		15.82	ft	1	08/12/2024 12:07	R352005
Elevation of groundwater surface	*	0		522.28	ft	1	08/12/2024 12:07	R352005
Measuring Point Elevation	*	0		538.10	ft	1	08/12/2024 12:07	R352005
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	08/12/2024 12:07	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		3.4	NTU	1	08/12/2024 12:07	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.1	°F	1	08/12/2024 12:07	R352005
SW-846 9040B								
pH, Field	*	1.00		6.44		1	08/12/2024 12:07	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		975	umhos/cm @25C	1	08/12/2024 12:07	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		596	mg/L	1	08/16/2024 10:21	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		77	mg/L	5	08/20/2024 14:07	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.21	mg/L	1	08/19/2024 9:54	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	20		90	mg/L	5	08/20/2024 14:07	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.110	mg/L	1	08/14/2024 17:37	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:37	227065
Boron	NELAP	0.0200		0.211	mg/L	1	08/14/2024 17:37	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:37	227065
Calcium	NELAP	0.100		126	mg/L	1	08/14/2024 17:37	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:37	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:37	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:37	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:37	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 11:12	227065
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:10	227065
Lithium	*	0.0030		0.0044	mg/L	5	08/15/2024 11:12	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:10	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 0:10	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 12:58	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-012
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: AP-11
Collection Date: 08/12/2024 12:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-013
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24
 Client Sample ID: AP-12
 Collection Date: 08/12/2024 13:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		510.30	ft	1	08/12/2024 13:02	R352005
Depth to water	*	-5.00		15.14	ft	1	08/12/2024 13:02	R352005
Depth to water from measuring point	*	0		18.04	ft	1	08/12/2024 13:02	R352005
Elevation of groundwater surface	*	0		522.66	ft	1	08/12/2024 13:02	R352005
Measuring Point Elevation	*	0		540.70	ft	1	08/12/2024 13:02	R352005
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	08/12/2024 13:02	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		26	NTU	1	08/12/2024 13:02	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.6	°F	1	08/12/2024 13:02	R352005
SW-846 9040B								
pH, Field	*	1.00		6.43		1	08/12/2024 13:02	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1870	umhos/cm @25C	1	08/12/2024 13:02	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1670	mg/L	1	08/16/2024 10:22	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		612	mg/L	20	08/20/2024 14:15	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.19	mg/L	1	08/19/2024 10:04	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	20		136	mg/L	5	08/20/2024 14:10	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0515	mg/L	1	08/14/2024 17:38	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:38	227065
Boron	NELAP	0.0200		0.0241	mg/L	1	08/14/2024 17:38	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:38	227065
Calcium	NELAP	0.100		258	mg/L	1	08/14/2024 17:38	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:38	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:38	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:38	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:38	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 11:17	227065
Arsenic	NELAP	0.0010		0.0015	mg/L	5	08/15/2024 0:15	227065
Lithium	*	0.0030		0.0077	mg/L	5	08/15/2024 11:17	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:15	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 0:15	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 13:01	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-013
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: AP-12
Collection Date: 08/12/2024 13:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-014
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24
 Client Sample ID: AP-13
 Collection Date: 08/12/2024 13:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		511.00	ft	1	08/12/2024 13:28	R352005
Depth to water	*	-5.00		14.80	ft	1	08/12/2024 13:28	R352005
Depth to water from measuring point	*	0		18.20	ft	1	08/12/2024 13:28	R352005
Elevation of groundwater surface	*	0		523.80	ft	1	08/12/2024 13:28	R352005
Measuring Point Elevation	*	0		542.00	ft	1	08/12/2024 13:28	R352005
Measuring Point Height Above Land Surface	*	0		3.40	ft	1	08/12/2024 13:28	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		6.6	NTU	1	08/12/2024 13:28	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.4	°F	1	08/12/2024 13:28	R352005
SW-846 9040B								
pH, Field	*	1.00		6.59		1	08/12/2024 13:28	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		816	umhos/cm @25C	1	08/12/2024 13:28	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		560	mg/L	1	08/16/2024 10:22	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		135	mg/L	5	08/22/2024 10:01	R352204
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.22	mg/L	1	08/19/2024 10:06	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		27	mg/L	1	08/20/2024 14:18	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.127	mg/L	1	08/14/2024 17:40	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:40	227065
Boron	NELAP	0.0200		0.0357	mg/L	1	08/14/2024 17:40	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:40	227065
Calcium	NELAP	0.100		106	mg/L	1	08/14/2024 17:40	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:40	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:40	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:40	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:40	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 11:23	227065
Arsenic	NELAP	0.0010		0.0029	mg/L	5	08/15/2024 0:20	227065
Lithium	*	0.0030		0.0124	mg/L	5	08/15/2024 11:23	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:20	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 0:20	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 13:03	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-014
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: AP-13
Collection Date: 08/12/2024 13:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-015
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: AP-14

Collection Date: 08/13/2024 11:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		508.40	ft	1	08/13/2024 11:19	R352005
Depth to water	*	-5.00		0.57	ft	1	08/13/2024 11:19	R352005
Depth to water from measuring point	*	0		3.37	ft	1	08/13/2024 11:19	R352005
Elevation of groundwater surface	*	0		536.23	ft	1	08/13/2024 11:19	R352005
Measuring Point Elevation	*	0		539.60	ft	1	08/13/2024 11:19	R352005
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	08/13/2024 11:19	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		10	NTU	1	08/13/2024 11:19	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		62.0	°F	1	08/13/2024 11:19	R352005
SW-846 9040B								
pH, Field	*	1.00		6.76		1	08/13/2024 11:19	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1760	umhos/cm @25C	1	08/13/2024 11:19	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1610	mg/L	1	08/16/2024 10:22	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		821	mg/L	20	08/20/2024 14:45	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.28	mg/L	1	08/19/2024 10:07	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	20		92	mg/L	5	08/20/2024 14:26	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0371	mg/L	1	08/15/2024 15:56	227124
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/15/2024 15:56	227124
Boron	NELAP	0.200		20.0	mg/L	10	08/16/2024 15:46	227124
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/15/2024 15:56	227124
Calcium	NELAP	0.100		237	mg/L	1	08/15/2024 15:56	227124
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 15:56	227124
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 15:56	227124
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/15/2024 15:56	227124
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/15/2024 15:56	227124
<i>Sample result for B exceeds 10 times the CCB. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:12	227124
Arsenic	NELAP	0.0010		0.0016	mg/L	5	08/16/2024 11:25	227124
Lithium	*	0.0030		0.0078	mg/L	5	08/15/2024 14:12	227124
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:12	227124
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 14:12	227124
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/15/2024 16:17	227118
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-016
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: T-1

Collection Date: 08/12/2024 14:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		512.70	ft	1	08/12/2024 14:18	R352005
Depth to water	*	-5.00		14.17	ft	1	08/12/2024 14:18	R352005
Depth to water from measuring point	*	0		14.50	ft	1	08/12/2024 14:18	R352005
Elevation of groundwater surface	*	0		521.15	ft	1	08/12/2024 14:18	R352005
Measuring Point Elevation	*	0		535.65	ft	1	08/12/2024 14:18	R352005
Measuring Point Height Above Land Surface	*	0		0.33	ft	1	08/12/2024 14:18	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		150	NTU	1	08/12/2024 14:18	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		60.4	°F	1	08/12/2024 14:18	R352005
SW-846 9040B								
pH, Field	*	1.00		6.51		1	08/12/2024 14:18	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1590	umhos/cm @25C	1	08/12/2024 14:18	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1020	mg/L	1	08/16/2024 11:32	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		236	mg/L	5	08/20/2024 14:53	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.22	mg/L	1	08/19/2024 10:09	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	40		259	mg/L	10	08/22/2024 9:16	R352158
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.118	mg/L	1	08/14/2024 17:41	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:41	227065
Boron	NELAP	0.0200		0.141	mg/L	1	08/14/2024 17:41	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:41	227065
Calcium	NELAP	0.100		183	mg/L	1	08/14/2024 17:41	227065
Chromium	NELAP	0.0050		0.0096	mg/L	1	08/14/2024 17:41	227065
Cobalt	NELAP	0.0050		0.0063	mg/L	1	08/14/2024 17:41	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:41	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:41	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 11:28	227065
Arsenic	NELAP	0.0010		0.0048	mg/L	5	08/15/2024 0:25	227065
Lithium	*	0.0030		0.0266	mg/L	5	08/15/2024 11:28	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:25	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 0:25	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 13:05	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-016
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: T-1
Collection Date: 08/12/2024 14:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-017
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: T-2

Collection Date: 08/12/2024 12:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.18	ft	1	08/12/2024 12:32	R352005
Depth to water	*	-5.00		23.35	ft	1	08/12/2024 12:32	R352005
Depth to water from measuring point	*	0		25.75	ft	1	08/12/2024 12:32	R352005
Elevation of groundwater surface	*	0		523.87	ft	1	08/12/2024 12:32	R352005
Measuring Point Elevation	*	0		549.62	ft	1	08/12/2024 12:32	R352005
Measuring Point Height Above Land Surface	*	0		2.40	ft	1	08/12/2024 12:32	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		14	NTU	1	08/12/2024 12:32	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.7	°F	1	08/12/2024 12:32	R352005
SW-846 9040B								
pH, Field	*	1.00		6.37		1	08/12/2024 12:32	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1910	umhos/cm @25C	1	08/12/2024 12:32	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		1430	mg/L	1	08/16/2024 11:33	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		181	mg/L	5	08/20/2024 15:01	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.23	mg/L	1	08/19/2024 10:11	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	80		447	mg/L	20	08/22/2024 9:19	R352158
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.246	mg/L	1	08/14/2024 17:43	227065
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/14/2024 17:43	227065
Boron	NELAP	0.0200		0.0718	mg/L	1	08/14/2024 17:43	227065
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/14/2024 17:43	227065
Calcium	NELAP	0.100		218	mg/L	1	08/14/2024 17:43	227065
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:43	227065
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/14/2024 17:43	227065
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/14/2024 17:43	227065
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/14/2024 17:43	227065
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 11:34	227065
Arsenic	NELAP	0.0010		0.0053	mg/L	5	08/15/2024 0:30	227065
Lithium	*	0.0030		0.0394	mg/L	5	08/15/2024 11:34	227065
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 0:30	227065
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 0:30	227065
<i>CCV recovered outside the upper control limits for TI. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/14/2024 13:07	227054
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells
Lab ID: 24080242-017
Matrix: GROUNDWATER

Work Order: 24080242
Report Date: 18-Sep-24
Client Sample ID: T-2
Collection Date: 08/12/2024 12:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-018
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: T-4

Collection Date: 08/13/2024 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		521.52	ft	1	08/13/2024 12:20	R352005
Depth to water	*	-5.00		16.28	ft	1	08/13/2024 12:20	R352005
Depth to water from measuring point	*	0		18.66	ft	1	08/13/2024 12:20	R352005
Elevation of groundwater surface	*	0		530.28	ft	1	08/13/2024 12:20	R352005
Measuring Point Elevation	*	0		548.94	ft	1	08/13/2024 12:20	R352005
Measuring Point Height Above Land Surface	*	0		2.38	ft	1	08/13/2024 12:20	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		24	NTU	1	08/13/2024 12:20	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.5	°F	1	08/13/2024 12:20	R352005
SW-846 9040B								
pH, Field	*	1.00		6.68		1	08/13/2024 12:20	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		474	umhos/cm @25C	1	08/13/2024 12:20	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		382	mg/L	1	08/16/2024 11:33	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		100	mg/L	5	08/20/2024 15:09	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.32	mg/L	1	08/19/2024 10:13	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		< 4	mg/L	1	08/20/2024 15:03	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0562	mg/L	1	08/15/2024 16:01	227124
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/15/2024 16:01	227124
Boron	NELAP	0.0200		0.0537	mg/L	1	08/15/2024 16:01	227124
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/15/2024 16:01	227124
Calcium	NELAP	0.100		77.3	mg/L	1	08/15/2024 16:01	227124
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 16:01	227124
Cobalt	NELAP	0.0050		0.0050	mg/L	1	08/15/2024 16:01	227124
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/15/2024 16:01	227124
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/15/2024 16:01	227124
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:18	227124
Arsenic	NELAP	0.0010		0.0055	mg/L	5	08/15/2024 14:18	227124
Lithium	*	0.0030		0.0164	mg/L	5	08/15/2024 14:18	227124
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:18	227124
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 14:18	227124
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/15/2024 16:19	227118
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-019
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: T-5

Collection Date: 08/13/2024 11:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		518.32	ft	1	08/13/2024 11:32	R352005
Depth to water	*	-5.00		8.19	ft	1	08/13/2024 11:32	R352005
Depth to water from measuring point	*	0		10.70	ft	1	08/13/2024 11:32	R352005
Elevation of groundwater surface	*	0		529.96	ft	1	08/13/2024 11:32	R352005
Measuring Point Elevation	*	0		540.66	ft	1	08/13/2024 11:32	R352005
Measuring Point Height Above Land Surface	*	0		2.51	ft	1	08/13/2024 11:32	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		1.4	NTU	1	08/13/2024 11:32	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		64.1	°F	1	08/13/2024 11:32	R352005
SW-846 9040B								
pH, Field	*	1.00		6.86		1	08/13/2024 11:32	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		418	umhos/cm @25C	1	08/13/2024 11:32	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		338	mg/L	1	08/16/2024 11:33	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		40	mg/L	1	08/20/2024 15:11	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.22	mg/L	1	08/19/2024 10:15	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		< 4	mg/L	1	08/20/2024 15:11	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0538	mg/L	1	08/15/2024 16:01	227124
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/15/2024 16:01	227124
Boron	NELAP	0.0200		0.0843	mg/L	1	08/15/2024 16:01	227124
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/15/2024 16:01	227124
Calcium	NELAP	0.100		64.6	mg/L	1	08/15/2024 16:01	227124
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 16:01	227124
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 16:01	227124
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/15/2024 16:01	227124
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/15/2024 16:01	227124
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:23	227124
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:23	227124
Lithium	*	0.0030		0.0095	mg/L	5	08/15/2024 14:23	227124
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:23	227124
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 14:23	227124
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/15/2024 16:22	227118
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24080242-020
 Matrix: GROUNDWATER

Work Order: 24080242
 Report Date: 18-Sep-24

Client Sample ID: T-6

Collection Date: 08/13/2024 10:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		494.70	ft	1	08/13/2024 10:44	R352005
Depth to water	*	-5.00		7.52	ft	1	08/13/2024 10:44	R352005
Depth to water from measuring point	*	0		9.88	ft	1	08/13/2024 10:44	R352005
Elevation of groundwater surface	*	0		528.44	ft	1	08/13/2024 10:44	R352005
Measuring Point Elevation	*	0		538.32	ft	1	08/13/2024 10:44	R352005
Measuring Point Height Above Land Surface	*	0		2.36	ft	1	08/13/2024 10:44	R352005
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		12	NTU	1	08/13/2024 10:44	R352005
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		61.5	°F	1	08/13/2024 10:44	R352005
SW-846 9040B								
pH, Field	*	1.00		6.77		1	08/13/2024 10:44	R352005
SW-846 9050A								
Spec. Conductance, Field	*	1.00		674	umhos/cm @25C	1	08/13/2024 10:44	R352005
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		494	mg/L	1	08/16/2024 11:33	R351892
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		11	mg/L	1	08/20/2024 15:19	R352032
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		0.32	mg/L	1	08/19/2024 11:01	R351930
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		24	mg/L	1	08/20/2024 15:19	R352062
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.323	mg/L	1	08/15/2024 16:02	227124
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	08/15/2024 16:02	227124
Boron	NELAP	0.0200		0.214	mg/L	1	08/15/2024 16:02	227124
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/15/2024 16:02	227124
Calcium	NELAP	0.100		84.3	mg/L	1	08/15/2024 16:02	227124
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 16:02	227124
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	08/15/2024 16:02	227124
Lead	NELAP	0.0075		< 0.0075	mg/L	1	08/15/2024 16:02	227124
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	08/15/2024 16:02	227124
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:29	227124
Arsenic	NELAP	0.0010		0.0108	mg/L	5	08/15/2024 14:29	227124
Lithium	*	0.0030		0.0149	mg/L	5	08/15/2024 14:29	227124
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/15/2024 14:29	227124
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	08/15/2024 14:29	227124
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	08/15/2024 16:24	227118
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360
Radium-228	*	0		See Attached	pci/L	1	09/16/2024 0:00	R353360



Receiving Check List

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

Client: City Water, Light & Power

Work Order: 24080242

Client Project: Ash Pond Monitoring Wells

Report Date: 18-Sep-24

Carrier: Justin Colp

Received By: PRS

Completed by:

Amber Dilallo

Reviewed by:

Shelly A Hennessy

On:

On:

13-Aug-24

27-Aug-24

Amber Dilallo

Shelly A. Hennessy

Pages to follow: Chain of custody

Extra pages included

- 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.

Samples were received on 8/12/24 at 1635 on ice [12.1C - LTG#9]. pH strip #96651. - amberdilallo - 8/13/2024 8:19:55 AM

Samples were received on 8/13/24 at 1427 on ice [3.7C - LTG#5]. pH strip #96651. - amberdilallo - 8/13/2024 3:24:03 PM

CHAIN OF CUSTODY

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

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:

Samples on: ICE BLUE ICE NO ICE 12.1 °C/56.9
 Preserved in: LAB FIELD FOR LAB USE ONLY
 LAB NOTES: pH/9.6/51
P58113

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

Client Comments:
 *elevations, pH, conductivity, temperature
 **Sb As Li Se TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
 Quarterly monitoring
*Damaged - to be collected @ later date SA 8/14/24

PROJECT NAME/NUMBER: Ash Pond Monitoring Wells
 SAMPLE COLLECTOR'S NAME: Justin Gop

and Type of Containers: _____ INDICATE ANALYSIS REQUESTED

RESULTS REQUESTED: Standard 1-2 Day (100% Surcharge) Other _____
 3 Day (50% Surcharge)
 BILLING INSTRUCTIONS: _____

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								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
24080242-001	RW-3	8.12.24 1018	Groundwater
002	AP-1	8.12.24 1119	Groundwater
003	AP-2	8.12.24 1304	Groundwater
004	AP-3 *		Groundwater
005	AP-4	8.12.24 1235	Groundwater
006	AP-5	8.12.24 1159	Groundwater
007	AP-6	8.12.24 1050	Groundwater
008	AP-7	8.12.24 1352	Groundwater
009	AP-8		Groundwater
010	AP-9	8.12.24 1421	Groundwater
011	AP-10		Groundwater

Relinquished By	Date/Time	Received By	Date/Time
<u>J. Gop</u>	<u>8.12.24 1635</u>	<u>Rene [Signature]</u>	<u>8/12/24 1635</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

CHAIN OF CUSTODY

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: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: _____
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Are these samples known to be involved in litigation? If yes, a surcharge will apply: Yes No
 Are these samples known to be hazardous? Yes No
 Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: Yes No Permit on file

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

PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>Justin Colp</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS	
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity							
24080242	AP-11	8-12-24 1207	Groundwater	1	2								✓	✓	✓	✓	✓	✓							
013	AP-12	1302	Groundwater	1	2								✓	✓	✓	✓	✓	✓							
014	AP-13	1328	Groundwater	1	2								✓	✓	✓	✓	✓	✓							
015	AP-14		Groundwater	1	2								✓	✓	✓	✓	✓	✓							
016	T-1	1418	Groundwater	1	2								✓	✓	✓	✓	✓	✓							
017	T-2	1232	Groundwater	1	2								✓	✓	✓	✓	✓	✓							
018	T-4		Groundwater	1	2								✓	✓	✓	✓	✓	✓							
019	T-5		Groundwater	1	2								✓	✓	✓	✓	✓	✓							
020	T-6		Groundwater	1	2								✓	✓	✓	✓	✓	✓							
			Groundwater																						
			Groundwater																						

Relinquished By <u>J. Colp</u>	Date/Time <u>8.12.24 1635</u>	Received By <u>Paul Staley</u>	Date/Time <u>8/12/24 1635</u>
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*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

CHAIN OF CUSTODY

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

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:

Samples on: ICE BLUE ICE NO ICE 3.7 °C/35
 Preserved in: LAB FIELD FOR LAB USE ONLY
 LAB NOTES: pH/Al/Asi
PS 8/13

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

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

PROJECT NAME/NUMBER: Ash Pond Monitoring Wells
 SAMPLE COLLECTOR'S NAME:

RESULTS REQUESTED: Standard 1-2 Day (100% Surcharge)
 Other 3 Day (50% Surcharge)
 BILLING INSTRUCTIONS:

and Type of Containers: _____
 INDICATE ANALYSIS REQUESTED

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 IDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
<u>24080242-001</u>	RW-3		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>002</u>	AP-1		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>003</u>	AP-2		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>004</u>	AP-3		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>005</u>	AP-4		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>006</u>	AP-5		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>007</u>	AP-6		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>008</u>	AP-7		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>009</u>	AP-8	<u>8.13.24 1106</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>010</u>	AP-9		Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>011</u>	AP-10	<u>8-13-24 1043</u>	Groundwater	1	2								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished By	Date/Time	Received By	Date/Time
<u>[Signature]</u>	<u>8-13-24 1427</u>	<u>[Signature]</u>	<u>8/13/24 1427</u>

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

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** RW-3
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 74 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 10:01 Static Water Level: 11.31 feet below TOC
Total Depth: 44.01 feet below TOC
Water Column: 32.70 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 32.7 ft. x 44.01 = 0.97 L x 3 Vol. = 2.91 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.1
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:03	0.0	200 ↓	purge start time						
10:06	0.6		7.20	764	60.2	2.13	-61.3	7.69	
10:09	1.3		7.22	745	60.0	1.17	-110.3	14.43	
10:12	1.9		7.23	707	59.0	0.99	-122.2	27.14	
10:15	2.5		7.22	699	59.8	0.96	-124.7	35.75	
10:18	3.1		7.23	698	60.3	0.95	-125.9	38.75	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 10:18
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.23 pH 698 Spec. Cond. 60.3 Temp
 Field Filtered: Yes Filter Type: Inline Disposable
 Water Level: 11.46 feet below TOC Drawdown: 0.15 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-1
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 76 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 11:02 Static Water Level: 11.34 feet below TOC
 Total Depth: 31.08 feet below TOC
 Water Column: 19.74 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 19.74 ft. x 31.08 = 0.68 L x 3 Vol. = 2.04 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.0
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:03	0.0	188	purge start time						
11:07	0.7	↓	6.63	1,708	61.1	1.95	-1.0	14.66	
11:10	1.3		6.68	1,770	60.7	1.19	-43.0	21.01	
11:13	1.9		6.70	1,817	60.7	0.97	-63.7	14.91	
11:16	2.4		6.70	1,859	60.4	0.87	-74.3	13.60	
11:19	3.0		6.70	1,884	60.3	0.84	-80.1	8.56	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 11:19
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.70 pH 1,884 Spec. Cond. 60.3 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 11.50 feet below TOC Drawdown: 0.16 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-2
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 77 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

	Well Pad	<u>Good</u>							
	Casing	<u>Good</u>	Locks <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50px;">Yes</td> <td style="width: 50px;">No</td> </tr> <tr> <td>Protective Casing</td> <td>X</td> </tr> <tr> <td>Well</td> <td>X</td> </tr> </table>	Yes	No	Protective Casing	X	Well	X
Yes	No								
Protective Casing	X								
Well	X								
	Protective Casing	<u>Good</u>							
	Reference Mark/Identification	<u>Good</u>							

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 12:50 Static Water Level: 8.49 feet below TOC
Total Depth: 21.33 feet below TOC
Water Column: 12.84 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 12.84 ft. x 21.33 = 0.47 L x 3 Vol. = 1.41 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 2.5
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:51	0.0	188	purge start time						
12:55	0.8	↓	6.58	1,506	62.2	1.42	18.8	59.88	
12:58	1.4		6.58	1,509	62.4	1.19	19.5	42.69	
13:01	1.9		6.58	1,509	62.4	1.15	20.0	35.14	
13:04	2.5		6.58	1,510	62.3	1.08	20.0	31.61	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 13:04
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.58 pH 1,510 Spec. Cond. 62.3 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 8.73 feet below TOC Drawdown: 0.24 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24080242

Monitoring Point: AP-3
Date (s): 8/12/2024

Field Team Members

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

Weather Conditions

Temp: _____ °F Wind Direction: N S E W (circle two if needed)
Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

Well Pad Damaged
Casing Damaged
Protective Casing Damaged
Reference Mark/Identification Damaged

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____ Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: 2"
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp _____
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

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

- Well damaged by vehicle, notified by onsite personell of planned repair/redrill

Form Completed By:  Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-4
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 76 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 12:13 Static Water Level: 10.83 feet below TOC
 Total Depth: 60.41 feet below TOC
 Water Column: 49.58 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 49.58 ft. x 60.41 = 1.33 L x 3 Vol. = 3.99 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 4.1
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:14	0.0	191	purge start time						
12:23	1.8	↓	6.96	933	65.6	1.45	-83.5	21.47	
12:26	2.3		6.96	935	65.5	1.10	-94.3	19.37	
12:29	2.9		6.97	935	65.3	0.98	-100.2	22.86	
12:32	3.5		6.97	935	65.2	0.91	-103.8	21.48	
12:35	4.1		6.97	935	65.1	0.89	-106.4	34.41	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 12:35
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.97 pH 935 Spec. Cond. 65.1 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 11.00 feet below TOC Drawdown: 0.17 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-5
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 76 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 11:40 Static Water Level: 17.34 feet below TOC
Total Depth: 31.27 feet below TOC
Water Column: 13.93 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 13.93 ft. x 31.27 = 0.69 L x 3 Vol. = 2.07 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.5
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:41	0.0	191 ↓	purge start time						
11:47	1.2		7.13	762	59.3	2.92	17.7	3.19	
11:50	1.8		7.11	762	59.2	2.28	18.9	3.11	
11:53	2.3		7.09	765	58.9	2.08	22.6	2.64	
11:56	2.9		7.08	767	59.0	2.01	26.9	2.39	
11:59	3.5		7.07	767	59.0	1.98	30.9	1.46	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 11:59
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.07 pH 767 Spec. Cond. 59.0 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 17.62 feet below TOC Drawdown: 0.28 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-6
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 75 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 10:33 Static Water Level: 9.75 feet below TOC
Total Depth: 39.62 feet below TOC
Water Column: 29.87 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 29.87 ft. x 39.62 = 0.87 L x 3 Vol. = 2.61 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.1
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:35	0.0	200 ↓	purge start time						
10:38	0.6		7.16	728	59.9	1.90	-6.1	5.72	
10:41	1.2		7.17	723	59.5	1.24	-36.0	10.76	
10:44	1.9		7.16	723	59.4	1.03	-39.9	15.00	
10:47	2.4		7.16	722	59.2	0.94	-39.9	20.97	
10:50	3.1		7.16	723	59.2	0.89	-39.3	29.64	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 10:50
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.16 pH 723 Spec. Cond. 59.2 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 9.79 feet below TOC Drawdown: 0.04 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-7
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 77 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

Well Pad	<u>Good</u>	Locks	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Casing	<u>Good</u>		Protective Casing	<input type="checkbox"/>	<input checked="" type="checkbox"/> X
Protective Casing	<u>Good</u>			Well	<input type="checkbox"/>
Reference Mark/Identification	<u>Good</u>				

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 13:36 Static Water Level: 12.02 feet below TOC
Total Depth: 42.52 feet below TOC
Water Column: 30.50 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 30.5 ft. x 42.52 = 0.94 L x 3 Vol. = 2.82 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.0
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:37	0.0	200	purge start time						
13:40	0.6	↓	7.29	742	59.3	1.59	-37.2	16.71	
13:43	1.2		7.25	750	58.4	1.11	-89.9	37.06	
13:46	1.8		7.23	738	58.2	0.98	-95.0	35.04	
13:49	2.4		7.21	732	58.1	0.92	-95.6	27.20	
13:52	3.0		7.20	733	58.0	0.88	-95.5	19.12	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 13:52
 Sample Method: Low-Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.20 pH 733 Spec. Cond. 58.0 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 12.23 feet below TOC Drawdown: 0.21 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-8
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/13/2024

Field Team Members

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

Weather Conditions

Temp: 73 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/13/2024 10:51 Static Water Level: 6.97 feet below TOC
 Total Depth: 39.60 feet below TOC
 Water Column: 32.63 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 32.63 ft. x 39.6 = 0.87 L x 3 Vol. = 2.61 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.2
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:52	0.0	214 ↓	purge start time						
10:54	0.6		7.07	1,008	60.8	1.60	-83.4	18.46	
10:57	1.3		7.06	1,005	60.7	1.06	-97.5	19.65	
11:00	1.9		7.05	1,003	59.0	0.86	-104.6	32.94	
11:03	2.6		7.04	1,002	58.9	0.79	-107.9	30.61	
11:06	3.2		7.03	1,003	60.7	0.76	-109.9	33.73	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/13/2024 11:06
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 7.03 pH 1,003 Spec. Cond. 60.7 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 8.19 feet below TOC Drawdown: 1.22 feet

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

Form Completed By: Date: 8/13/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-9
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

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

Weather Conditions

Temp: 77 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 14:03 Static Water Level: 13.89 feet below TOC
Total Depth: 39.60 feet below TOC
Water Column: 25.71 feet

Purging Activities

Purged By: Justin Colp Purge Date: 8/12/2024
 Purge Method: Submersible Pump Well Diameter: 2"
 Purge Volume Calculation (L): 25.71 ft. x 39.6 = 0.87 L x 3 Vol. = 2.61 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.1
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:05	0.0	188	purge start time						
14:09	0.8	↓	6.88	1,071	60.6	2.86	-70.9	25.18	
14:12	1.4		6.88	1,073	60.7	2.38	-80.8	28.51	
14:15	2.0		6.89	1,070	60.5	1.99	-85.2	31.92	
14:18	2.5		6.89	1,071	61.1	1.87	-87.9	35.86	
14:21	3.1		6.89	1,072	61.6	1.76	-89.8	35.89	

Sampling Activities

Sampled By: Justin Colp Sample Date/Time: 8/12/2024 14:21
 Sample Method: Low-Flow Sample Equipment: Submersible Pump
 Sample Parameters: 6.89 pH 1,072 Spec. Cond. 61.6 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 14.20 feet below TOC Drawdown: 0.31 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-10
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/13/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 77 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/13/2024 10:23 Static Water Level: 5.39 feet below TOC
 Total Depth: 38.07 feet below TOC
 Water Column: 32.68 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 32.68 ft. x 38.07 = 0.84 L x 3 Vol. = 2.52 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 3.6
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:23	0.0	175	purge start time						
10:31	1.5	↓	6.55	1,224	61.9	1.99	-98.4	4.31	
10:34	2.0		6.54	1,220	62.2	1.65	-100.6	4.00	
10:37	2.6		6.54	1,224	63.0	1.77	-100.0	3.62	
10:40	3.1		6.53	1,226	62.9	1.62	-100.9	3.48	
10:43	3.6		6.53	1,227	62.7	1.37	-101.9	3.12	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/13/2024 10:43
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.53 pH 1,227 Spec. Cond. 62.7 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 5.88 feet below TOC Drawdown: 0.49 feet

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

Form Completed By:  Date: 8/13/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-11
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 76 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 11:50 Static Water Level: 15.82 feet below TOC
 Total Depth: 22.95 feet below TOC
 Water Column: 7.13 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 7.13 ft. x 22.95 = 0.5 L x 3 Vol. = 1.5 L *Based on 3 water volumes in 3/8" tubing.
 Actual Purge Volume (L): 2.5
 Physical appearance of purge water: Clear Odor: Moderate Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:50	0.0	147 ↓	purge start time						
11:55	0.7		6.47	977	60.1	1.91	-82.5	5.35	
11:58	1.2		6.47	985	60.4	1.60	-99.2	4.55	
12:01	1.6		6.46	981	60.4	1.50	-96.2	3.62	
12:04	2.1		6.45	978	60.3	1.41	-89.8	3.28	
12:07	2.5		6.44	975	59.1	1.18	-87.7	3.37	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/12/2024 12:07
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.44 pH 975 Spec. Cond. 59.1 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 16.11 feet below TOC Drawdown: 0.29 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-12
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 76 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 12:37 Static Water Level: 18.04 feet below TOC
 Total Depth: 30.40 feet below TOC
 Water Column: 12.36 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 12.36 ft. x 30.4 = 0.67 L x 3 Vol. = 2.01 L *Based on 3 water volumes in 3/8" tubing.
 Actual Purge Volume (L): 5.6
 Physical appearance of purge water: Slightly Cloudy Odor: Strong Color: Light gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:37	0.0	220 ↓	purge start time						
12:50	2.9		6.44	1,864	60.2	2.03	-143.9	61.26	
12:53	3.6		6.44	1,866	60.1	1.73	-150.0	49.69	
12:56	4.2		6.44	1,868	60.0	1.59	-155.2	39.09	
12:59	4.9		6.44	1,865	59.9	1.48	-157.0	31.18	
13:02	5.6		6.43	1,868	59.6	1.41	-154.9	26.30	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/12/2024 13:02
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.43 pH 1,868 Spec. Cond. 59.6 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 19.64 feet below TOC Drawdown: 1.60 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-13
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 77 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 13:13 Static Water Level: 18.20 feet below TOC
Total Depth: 31.00 feet below TOC
Water Column: 12.80 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 12.8 ft. x 31 = 0.68 L x 3 Vol. = 2.04 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 5.1
 Physical appearance of purge water: Slightly Cloudy Odor: Moderate Color: Light gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:13	0.0	333 ↓	purge start time						
13:19	2.1		6.61	812	59.3	1.95	-152.3	15.93	
13:22	3.1		6.60	814	59.4	1.82	-153.1	9.86	
13:25	4.1		6.59	812	59.5	1.71	-156.8	7.20	
13:28	5.1		6.59	816	59.4	1.52	-154.7	6.55	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/12/2024 13:28
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.59 pH 816 Spec. Cond. 59.4 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 18.89 feet below TOC Drawdown: 0.69 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** AP-14
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/13/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 74 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/13/2024 11:00 Static Water Level: 3.37 feet below TOC
 Total Depth: 31.20 feet below TOC
 Water Column: 27.83 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 27.83 ft. x 31.2 = 0.69 L x 3 Vol. = 2.07 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 6.5
 Physical appearance of purge water: Clear Odor: Slight Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:00	0.0	333	purge start time						
11:07	2.5	↓	6.76	1,752	64.9	2.46	-44.5	10.41	
11:10	3.5		6.75	1,754	64.8	2.21	-44.5	13.84	
11:13	4.5		6.77	1,753	62.8	1.90	-45.2	11.14	
11:16	5.5		6.77	1,759	62.3	1.68	-45.8	6.70	
11:19	6.5		6.76	1,761	62.0	1.54	-46.3	10.36	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/13/2024 11:19
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.76 pH 1,761 Spec. Cond. 62.0 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 4.12 feet below TOC Drawdown: 0.75 feet

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

Form Completed By: Date: 8/13/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** T-1
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 77 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 13:36 Static Water Level: 14.50 feet below TOC
 Total Depth: 22.95 feet below TOC
 Water Column: 8.45 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 8.45 ft. x 22.95 = 0.5 L x 3 Vol. = 1.5 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 6.6
 Physical appearance of purge water: Cloudy Odor: Slight Color: Light brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:36	0.0	155 ↓	purge start time						
14:06	4.8		6.54	1,598	62.8	2.06	-55.0	306.95	
14:09	5.2		6.53	1,597	62.8	1.95	-54.3	214.02	
14:12	5.7		6.53	1,601	61.9	1.85	-53.8	198.61	
14:15	6.1		6.52	1,593	60.2	1.51	-53.3	157.00	
14:18	6.6		6.51	1,589	60.4	1.45	-52.0	153.30	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/12/2024 14:18
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.51 pH 1,589 Spec. Cond. 60.4 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 16.05 feet below TOC Drawdown: 1.55 feet

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

Form Completed By: Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** T-2
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/12/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 76 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/12/2024 12:13 Static Water Level: 25.75 feet below TOC
 Total Depth: 34.44 feet below TOC
 Water Column: 8.69 feet

Purging Activities

Purged By: Brett Gillihan Purge Date: 8/12/2024
 Purge Method: Submersible Pump Well Diameter: 2"
 Purge Volume Calculation (L): 8.69 ft. x 34.44 = 0.76 L x 3 Vol. = 2.28 L *Based on 3 water volumes in 3/8" tubing.
 Actual Purge Volume (L): 4.7
 Physical appearance of purge water: Slightly Cloudy Odor: Slight Color: Light gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:13	0.0	237	purge start time						
12:20	1.8	↓	6.32	1,995	61.1	1.49	-43.5	36.28	
12:23	2.6		6.34	1,953	61.6	1.22	-45.1	36.47	
12:26	3.3		6.35	1,965	61.6	1.11	-47.3	38.37	
12:29	4.0		6.35	1,966	60.7	1.02	-46.2	24.49	
12:32	4.7		6.37	1,911	59.7	0.94	-45.9	13.62	

Sampling Activities

Sampled By: Brett Gillihan Sample Date/Time: 8/12/2024 12:32
 Sample Method: Low-Flow Sample Equipment: Submersible Pump
 Sample Parameters: 6.37 pH 1,911 Spec. Cond. 59.7 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 27.23 feet below TOC Drawdown: 1.48 feet

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

Form Completed By:  Date: 8/12/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** T-4
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/13/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 73 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/13/2024 11:58 Static Water Level: 18.66 feet below TOC
 Total Depth: 27.42 feet below TOC
 Water Column: 8.76 feet

Purging Activities

Purged By: Tracy Carroll Purge Date: 8/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 8.76 ft. x 27.42 = 0.6 L x 3 Vol. = 1.8 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 6.0
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:58	0.0	273	purge start time						
12:08	2.8	↓	6.73	467	59.4	1.09	2.1	54.34	
12:11	3.6		6.67	452	59.4	1.10	18.0	34.58	
12:14	4.4		6.66	467	59.6	1.15	27.5	28.17	
12:17	5.2		6.67	475	59.6	1.12	31.2	26.81	
12:20	6.0		6.68	474	59.5	1.09	33.1	24.43	

Sampling Activities

Sampled By: Tracy Carroll Sample Date/Time: 8/13/2024 12:20
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.68 pH 474 Spec. Cond. 59.5 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 19.90 feet below TOC Drawdown: 1.24 feet

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

Tracy Carroll

Form Completed By: _____ Date: 8/13/2024

Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** T-5
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/13/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 73 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/13/2024 11:04 Static Water Level: 10.70 feet below TOC
 Total Depth: 22.34 feet below TOC
 Water Column: 11.64 feet

Purging Activities

Purged By: Tracy Carroll Purge Date: 8/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 11.64 ft. x 22.34 = 0.49 L x 3 Vol. = 1.47 L **Based on 3 water volumes in 3/8" tubing.*
 Actual Purge Volume (L): 5.0
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:04	0.0	179	purge start time						
11:20	2.9	↓	6.84	419	64.3	1.74	-14.8	2.46	
11:23	3.4		6.84	418	64.3	1.62	-30.4	2.49	
11:26	3.9		6.85	415	63.9	1.49	-38.8	2.28	
11:29	4.5		6.86	415	64.6	1.39	-40.5	1.94	
11:32	5.0		6.86	418	64.1	1.29	-38.9	1.42	

Sampling Activities

Sampled By: Tracy Carroll Sample Date/Time: 8/13/2024 11:32
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.86 pH 418 Spec. Cond. 64.1 Temp _____
 Field Filtered: No Filter Type: _____
 Water Level: 11.48 feet below TOC Drawdown: 0.78 feet

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

Tracy Carroll

Form Completed By: _____ Date: 8/13/2024



Field Data Sheet

Project Name: CWLP- Ash Pond Monitoring Wells **Monitoring Point:** T-6
Project Location: Springfield, IL
W.O. Number (s): 24080242 **Date (s):** 8/13/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 73 °F Wind Direction: N S E W (circle two if needed)
 Precipitation: None Light Heavy Sky: Cloudy Sunny Partly

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 8/13/2024 10:08 Static Water Level: 9.88 feet below TOC
 Total Depth: 43.62 feet below TOC
 Water Column: 33.74 feet

Purging Activities

Purged By: Tracy Carroll Purge Date: 8/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 33.74 ft. x 43.62 = 0.96 L x 3 Vol. = 2.88 L *Based on 3 water volumes in 3/8" tubing.
 Actual Purge Volume (L): 8.2
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µmhos/cm)	Temp (°F)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:10	0.0	235	purge start time						
10:32	5.3	↓	6.77	680	61.5	0.78	-125.9	12.07	
10:35	6.1		6.76	680	61.1	0.71	-125.4	8.46	
10:38	6.8		6.76	676	61.1	0.68	-125.3	7.05	
10:41	7.5		6.77	680	61.1	0.66	-125.6	8.75	
10:44	8.2		6.77	674	61.5	0.63	-125.5	12.02	

Sampling Activities

Sampled By: Tracy Carroll Sample Date/Time: 8/13/2024 10:44
 Sample Method: Low-Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.77 pH 674 Spec. Cond. 61.5 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 10.22 feet below TOC Drawdown: 0.34 feet

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

Tracy Carroll

Form Completed By: _____ Date: 8/13/2024

Site Sampling Event: Ash Pond Monitoring Wells
 LIMS Workorder: 24080242
 Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
 CWLP- 3Q 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 45985 Technician(s): Brett Gillihan Date: 8/12/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/12/24 9:59
7.0 Buffer	WC240307F	6.99	8/12/24 9:54
10.0 Buffer	WC240625B	9.99	8/12/24 10:02
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	8/12/24 10:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.4	8/12/24 10:15
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	8/12/24 10:19	22.4	7.01	1,410			
CCV-1-BG	CCV	8/12/24 15:30	23.6	7.04	1,416			

Comments: _____

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.02	8/13/24 8:58
7.0 Buffer	WC240307F	7.00	8/13/24 8:54
10.0 Buffer	WC240625B	10.01	8/13/24 9:01
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/13/24 9:05

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.9	8/13/24 9:15
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	8/13/24 9:20	23.5	7.01	1,411			
CCV-2-BG	CCV	8/13/24 12:19	24.5	7.02	1,420			

Comments: _____



Site Sampling Event: Ash Pond Monitoring Wells
 LIMS Workorder: 24080242
 Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 3Q 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 223344 Technician(s): Tracy Carroll Date: 8/12/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/12/24 10:31
7.0 Buffer	WC240307F	7.01	8/12/24 10:23
10.0 Buffer	WC240625B	10.00	8/12/24 10:39
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/12/24 10:39

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-TC	lcs	8/12/24 10:44	24.6	7.03	1,410			
CCV-1-TC	ccv	8/12/24 14:28	25.2	7.08	1,453			

Comments: _____

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 8/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	8/13/24 9:38
7.0 Buffer	WC240307F	7.01	8/13/24 9:35
10.0 Buffer	WC240625B	10.00	8/13/24 9:41
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/13/24 9:37

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-TC	lcs	8/13/24 9:42	21	7.02	1,413			
CCV-2-TC	ccv	8/13/24 14:18	22.5	7.06	1,422			

Comments: _____



Site Sampling Event: Ash Pond Monitoring Wells
 LIMS Workorder: 24080242
 Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
 CWLP- 3Q 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 218074 Technician(s): justin colp Date: 8/12/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/12/24 9:33
7.0 Buffer	wc240307f	6.99	8/12/24 9:30
10.0 Buffer	wc240625b	9.99	8/12/24 9:36
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1413	8/12/24 9:39

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	8/12/24 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-JC	lcs	8/12/24 9:45	23.2	6.99	1,413	0.41		
CCV-1-JC	ccv	8/12/24 14:44	24.49	7.01	1,427	0.47		

Comments: _____

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	3.99	8/13/24 8:55
7.0 Buffer	wc240307f	7.00	8/13/24 8:57
10.0 Buffer	wc240625b	10.00	8/13/24 8:59
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	8/13/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.43	8/13/24 9:07
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-JC	lcs	8/13/24 9:10	23.1	7.00	1,410	0.43		
CCV-2-JC	ccv	8/13/24 11:36	24.8	7.02	1,416	0.47		

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>

September 18, 2024

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:
RE: 24080242

Order No.: 24081370

Dear Shelly Hennessy:

Summit Environmental Technologies, Inc. received 19 sample(s) on 8/19/2024 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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Case Narrative

WO#: 24081370
Date: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242

WorkOrder Narrative:

24081370: 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.

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.



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Workorder
Sample Summary
 WO#: **24081370**
18-Sep-24

CLIENT: TEKLAB Inc,
Project: 24080242

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24081370-001	24080242-001		8/12/2024 10:18:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-002	24080242-002		8/12/2024 11:19:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-003	24080242-003		8/12/2024 1:04:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-004	24080242-005		8/12/2024 12:35:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-005	24080242-006		8/12/2024 11:59:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-006	24080242-007		8/12/2024 10:50:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-007	24080242-008		8/12/2024 1:52:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-008	24080242-009		8/13/2024 11:06:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-009	24080242-010		8/12/2024 2:21:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-010	24080242-011		8/13/2024 10:43:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-011	24080242-012		8/12/2024 12:07:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-012	24080242-013		8/12/2024 1:02:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-013	24080242-014		8/12/2024 1:28:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-014	24080242-015		8/13/2024 11:19:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-015	24080242-016		8/12/2024 2:18:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-016	24080242-017		8/12/2024 12:32:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-017	24080242-018		8/13/2024 12:20:00 PM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-018	24080242-019		8/13/2024 11:32:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water
24081370-019	24080242-020		8/13/2024 10:44:00 AM	8/19/2024 12:30:00 PM	Non-Potable Water



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

DATES REPORT

WO#: **24081370**
18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24081370-001A	24080242-001	8/12/2024 10:18:00 AM	Non-Potable Water	Combined Radium (EPA903+904)			9/17/2024 12:00:15 PM
				Radium-226 (EPA 903.0)		9/5/2024 10:37:44 AM	9/11/2024 1:22:47 PM
				Radium-228 (EPA 904.0)		9/5/2024 10:37:44 AM	9/10/2024 1:54:42 PM
24081370-002A	24080242-002	8/12/2024 11:19:00 AM		Combined Radium (EPA903+904)			9/17/2024 12:00:15 PM
				Radium-226 (EPA 903.0)		9/5/2024 10:37:44 AM	9/11/2024 1:22:47 PM
				Radium-228 (EPA 904.0)		9/5/2024 10:37:44 AM	9/10/2024 1:54:42 PM
24081370-003A	24080242-003	8/12/2024 1:04:00 PM		Combined Radium (EPA903+904)			9/17/2024 12:00:15 PM
				Radium-226 (EPA 903.0)		9/5/2024 10:37:44 AM	9/11/2024 1:22:47 PM
				Radium-228 (EPA 904.0)		9/5/2024 10:37:44 AM	9/10/2024 1:54:42 PM
24081370-004A	24080242-005	8/12/2024 12:35:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-005A	24080242-006	8/12/2024 11:59:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-006A	24080242-007	8/12/2024 10:50:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-007A	24080242-008	8/12/2024 1:52:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-008A	24080242-009	8/13/2024 11:06:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM

Original



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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

DATES REPORT

WO#: **24081370**
18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24081370-008A	24080242-009	8/13/2024 11:06:00 AM	Non-Potable Water	Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-009A	24080242-010	8/12/2024 2:21:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-010A	24080242-011	8/13/2024 10:43:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-011A	24080242-012	8/12/2024 12:07:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-012A	24080242-013	8/12/2024 1:02:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-013A	24080242-014	8/12/2024 1:28:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-014A	24080242-015	8/13/2024 11:19:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-015A	24080242-016	8/12/2024 2:18:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-016A	24080242-017	8/12/2024 12:32:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM

Original



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DATES REPORT

WO#: 24081370
 18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24081370-016A	24080242-017	8/12/2024 12:32:00 PM	Non-Potable Water	Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-017A	24080242-018	8/13/2024 12:20:00 PM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-018A	24080242-019	8/13/2024 11:32:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM
24081370-019A	24080242-020	8/13/2024 10:44:00 AM		Combined Radium (EPA903+904)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-226 (EPA 903.0)		9/9/2024 11:10:00 AM	9/17/2024 10:44:46 PM
				Radium-228 (EPA 904.0)		9/9/2024 11:10:00 AM	9/16/2024 2:26:20 PM

Original



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Analytical Report

(consolidated)

WO#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-001
Client Sample ID: 24080242-001

Collection Date: 8/12/2024 10:18:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION			Analyst: HDJ
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.380	1	9/17/2024 12:00:15 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0	E903-904		Analyst: SMZ
Radium-226	ND	1.00		pCi/L	± 0.0700	1	9/11/2024 1:22:47 PM
Yield	1.00					1	9/11/2024 1:22:47 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0	E903-904		Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.310	1	9/10/2024 1:54:42 PM
Yield	1.00					1	9/10/2024 1:54:42 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-002
Client Sample ID: 24080242-002

Collection Date: 8/12/2024 11:19:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION			Analyst: HDJ
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.380	1	9/17/2024 12:00:15 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: SMZ	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	9/11/2024 1:22:47 PM
Yield	1.00					1	9/11/2024 1:22:47 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: SMZ	
Radium-228	ND	1.00		pCi/L	± 0.310	1	9/10/2024 1:54:42 PM
Yield	1.00					1	9/10/2024 1:54:42 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-003
Client Sample ID: 24080242-003

Collection Date: 8/12/2024 1:04:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION			Analyst: HDJ
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.320	1	9/17/2024 12:00:15 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: SMZ	
Radium-226	ND	1.00		pCi/L	± 0.0700	1	9/11/2024 1:22:47 PM
Yield	1.00					1	9/11/2024 1:22:47 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: SMZ	
Radium-228	ND	1.00		pCi/L	± 0.250	1	9/10/2024 1:54:42 PM
Yield	1.00					1	9/10/2024 1:54:42 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-004
Client Sample ID: 24080242-005

Collection Date: 8/12/2024 12:35:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.760	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.100	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.660	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-005
Client Sample ID: 24080242-006

Collection Date: 8/12/2024 11:59:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.970	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.0600	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.910	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-006
Client Sample ID: 24080242-007

Collection Date: 8/12/2024 10:50:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.840	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.0500	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.790	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-007
Client Sample ID: 24080242-008

Collection Date: 8/12/2024 1:52:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.890	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.120	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.770	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-008
Client Sample ID: 24080242-009

Collection Date: 8/13/2024 11:06:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.26	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.250	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	2.23	2.00		pCi/L	± 1.01	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-009
Client Sample ID: 24080242-010

Collection Date: 8/12/2024 2:21:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.910	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.130	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.780	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-010
Client Sample ID: 24080242-011

Collection Date: 8/13/2024 10:43:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.09	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.160	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.930	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-011
Client Sample ID: 24080242-012

Collection Date: 8/12/2024 12:07:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.950	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.0900	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.860	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-012
Client Sample ID: 24080242-013

Collection Date: 8/12/2024 1:02:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.44	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.160	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	2.96	2.00		pCi/L	± 1.28	1	9/16/2024 2:26:20 PM
Yield	0.820					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-013
Client Sample ID: 24080242-014

Collection Date: 8/12/2024 1:28:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.07	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.0900	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.980	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-014
Client Sample ID: 24080242-015

Collection Date: 8/13/2024 11:19:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.840	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.120	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.720	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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



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

Analytical Report

(consolidated)

WO#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-015
Client Sample ID: 24080242-016

Collection Date: 8/12/2024 2:18:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.32	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.180	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	2.57	2.00		pCi/L	± 1.14	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-016
Client Sample ID: 24080242-017

Collection Date: 8/12/2024 12:32:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.20	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.150	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	2.31	2.00		pCi/L	± 1.05	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-017
Client Sample ID: 24080242-018

Collection Date: 8/13/2024 12:20:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION	E903-904	Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.13	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0	E903-904	Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.150	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0	E903-904	Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.980	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: **24081370**

Date Reported: **9/18/2024**

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-018
Client Sample ID: 24080242-019

Collection Date: 8/13/2024 11:32:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 0.990	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.0600	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 0.930	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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#: 24081370

Date Reported: 9/18/2024

CLIENT: TEKLAB Inc,
Project: 24080242
Lab ID: 24081370-019
Client Sample ID: 24080242-020

Collection Date: 8/13/2024 10:44:00 AM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				CALCULATION E903-904		Analyst: SMZ	
Radium-226/Radium-228	ND	4.00		pCi/L	± 1.22	1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-226 (EPA 903.0)				E903.0 E903-904		Analyst: SMZ	
Radium-226	ND	2.00		pCi/L	± 0.160	1	9/17/2024 10:44:46 PM
Yield	1.00					1	9/17/2024 10:44:46 PM
RAD226/228 RADIUM-228 (EPA 904.0)				E904.0 E903-904		Analyst: SMZ	
Radium-228	ND	2.00		pCi/L	± 1.04	1	9/16/2024 2:26:20 PM
Yield	1.00					1	9/16/2024 2:26:20 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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QC SUMMARY REPORT

WO#: 24081370

18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78364

Sample ID: MB-78364	SampType: MBLK	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192975						
Client ID: PBW	Batch ID: 78364	TestNo: E904.0	E903-904	Analysis Date: 9/10/2024	SeqNo: 5224910						
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-78364	SampType: LCS	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192975						
Client ID: LCSW	Batch ID: 78364	TestNo: E904.0	E903-904	Analysis Date: 9/10/2024	SeqNo: 5224911						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.73	1.00	5.000	0	74.6	50	130				
Yield	1.00			0	0						

Sample ID: LCSD-78364	SampType: LCSD	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192975						
Client ID: LCSS02	Batch ID: 78364	TestNo: E904.0	E903-904	Analysis Date: 9/10/2024	SeqNo: 5224912						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.48	1.00	5.000	0	69.6	50	130	3.730	6.93	20	
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#: **24081370**
 18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78364

Sample ID: 24081279-001ADUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192975						
Client ID: BatchQC	Batch ID: 78364	TestNo: E904.0	E903-904	Analysis Date: 9/10/2024	SeqNo: 5224919						
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	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#: 24081370

18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78364

Sample ID: MB-78364	SampType: MBLK	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192981						
Client ID: PBW	Batch ID: 78364	TestNo: E903.0	E903-904	Analysis Date: 9/11/2024	SeqNo: 5224968						
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-78364	SampType: LCS	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192981						
Client ID: LCSW	Batch ID: 78364	TestNo: E903.0	E903-904	Analysis Date: 9/11/2024	SeqNo: 5224969						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.96	1.00	5.000	0	99.2	70	130				

Sample ID: LCSD-78364	SampType: LCSD	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192981						
Client ID: LCSS02	Batch ID: 78364	TestNo: E903.0	E903-904	Analysis Date: 9/11/2024	SeqNo: 5224970						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.78	1.00	5.000	0	95.6	70	130	4.960	3.70	20	

Sample ID: 24081277-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192981						
Client ID: BatchQC	Batch ID: 78364	TestNo: E903.0	E903-904	Analysis Date: 9/11/2024	SeqNo: 5224975						
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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 Cuyahoga Falls, Ohio 44223
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 Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: **24081370**
 18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78364

Sample ID: 24081277-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/5/2024	RunNo: 192981						
Client ID: BatchQC	Batch ID: 78364	TestNo: E903.0	E903-904	Analysis Date: 9/11/2024	SeqNo: 5224975						
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#: 24081370
 18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78453

Sample ID: MB-78453	SampType: MBLK	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193345						
Client ID: PBW	Batch ID: 78453	TestNo: E904.0	E903-904	Analysis Date: 9/16/2024	SeqNo: 5233515						
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-78453	SampType: LCS	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193345						
Client ID: LCSW	Batch ID: 78453	TestNo: E904.0	E903-904	Analysis Date: 9/16/2024	SeqNo: 5233516						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.33	1.00	5.000	0	66.6	50	130				
Yield	1.00			0	0						

Sample ID: LCSD-78453	SampType: LCSD	TestCode: Radium-228_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193345						
Client ID: LCSS02	Batch ID: 78453	TestNo: E904.0	E903-904	Analysis Date: 9/16/2024	SeqNo: 5233517						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.07	1.00	5.000	0	61.4	50	130	3.330	8.13	20	
Yield	0.960			0	0			1.000	4.08		

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#: 24081370
 18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78453

Sample ID: 24081834-001ADUP	SampType: DUP	TestCode: Radium-228_ Units: pCi/L				Prep Date: 9/9/2024			RunNo: 193345		
Client ID: BatchQC	Batch ID: 78453	TestNo: E904.0		E903-904		Analysis Date: 9/16/2024			SeqNo: 5233540		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	1.09	1.00		0	0			0.7400	38.3	20	R
Yield	0.980			0	0			1.000	2.02		

Sample ID: 24081834-002ADUP	SampType: DUP	TestCode: Radium-228_ Units: pCi/L				Prep Date: 9/9/2024			RunNo: 193345		
Client ID: BatchQC	Batch ID: 78453	TestNo: E904.0		E903-904		Analysis Date: 9/16/2024			SeqNo: 5233542		
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	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#: 24081370
 18-Sep-24

Client: TEKLAB Inc,
Project: 24080242

BatchID: 78453

Sample ID: MB-78453	SampType: MBLK	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193353						
Client ID: PBW	Batch ID: 78453	TestNo: E903.0	E903-904	Analysis Date: 9/17/2024	SeqNo: 5233739						
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-78453	SampType: LCS	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193353						
Client ID: LCSW	Batch ID: 78453	TestNo: E903.0	E903-904	Analysis Date: 9/17/2024	SeqNo: 5233740						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.33	1.00	5.000	0	86.6	70	130				QLR

Sample ID: LCSD-78453	SampType: LCSD	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193353						
Client ID: LCSS02	Batch ID: 78453	TestNo: E903.0	E903-904	Analysis Date: 9/17/2024	SeqNo: 5233741						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.36	1.00	5.000	0	107	70	130	4.330	21.3	20	R

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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 Cuyahoga Falls, Ohio 44223
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 Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 24081370

18-Sep-24

Client: TEKLAB Inc,

Project: 24080242

BatchID: 78453

Sample ID: 24081834-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193353						
Client ID: BatchQC	Batch ID: 78453	TestNo: E903.0	E903-904	Analysis Date: 9/17/2024	SeqNo: 5233764						
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: 24081834-002ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 9/9/2024	RunNo: 193353						
Client ID: BatchQC	Batch ID: 78453	TestNo: E903.0	E903-904	Analysis Date: 9/17/2024	SeqNo: 5233766						
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

TEKLAB, INC. Chain of Custody

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

24081370

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

Teklab Inc Cooler Temp: Sampler: QC Level:

5445 Horseshoe Lake Road
Collinsville, IL 62234

Comments: **Please Issue reports and invoices via email only**
Please analyze for Ra226, Ra228 and Combined Radium per your usual methods.
Changes to analysis/methods must be approved by Teklab, Inc. Batch QC is required.
Samples collected from an IL site.

Project#

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	Radium 226	Radium 228											
	24080242-001	8/12/24 1018	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	pH	1	Cpm = 57								
	24080242-002	8/12/24 1119	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	10								
	24080242-003	8/12/24 1304	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	30								
	24080242-005	8/12/24 1235	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	18								
	24080242-006	8/12/24 1159	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	41								
	24080242-007	8/12/24 1050	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	37								
	24080242-008	8/12/24 1352	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	11								
	24080242-009	8/13/24 1106	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	41								
	24080242-010	8/12/24 1421	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	33								
	24080242-011	8/13/24 1043	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	17								
	24080242-012	8/12/24 1207	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	33								

21.6 ± 0.1 = 21.5, Federer Coster

*Relinquished By	Date/Time	Received By	Date/Time
<i>Shelly Hennessy</i>	8/12/24 1700	<i>Anthony Butts</i>	AUG 19 2024 12:30

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**
Please analyze for Ra226, Ra228 and Combined Radium per your usual methods.
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.

La b Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226/228	Radium 226	Radium 228											
	24080242-013	8/12/24 1302	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PH	1	Cpm 733								
	24080242-014	8/12/24 1328	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	48								
	24080242-015	8/13/24 1119	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	33								
	24080242-016	8/12/24 1418	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	17								
	24080242-017	8/12/24 1232	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	34								
	24080242-018	8/13/24 1220	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	56								
	24080242-019	8/13/24 1132	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	52								
	24080242-020	8/13/24 1044	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	24								
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>											

21.6 - 0.1 = 21.5, Fedex Cooler

*Relinquished By	Date/Time	Received By	Date/Time
<i>Wade D. ...</i>	8/14/24 1700	<i>Anthony B. ...</i>	AUG 19 2024 12:30



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

Sample Log-In Check List

Client Name: TEK-IL-62234-A Work Order Number: 24081370 RcptNo: 1

Logged by: Anthony W. Britton	8/19/2024 12:30:00 PM	<i>Anthony Britton</i>
Completed By: Christina N. Gemma	8/20/2024 9:28:43 AM	<i>C. Gemma</i>
Reviewed By: Jennifer Woolf	8/20/2024 1:59:11 PM	<i>Jennifer M. Woolf</i>

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° 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	21.5	Good	Not Present			

December 06, 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: 24110120

Dear Eric Staley:

TEKLAB, INC received 20 samples on 11/13/2024 3:45:00 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: 24110120

Client Project: Ash Pond Monitoring Wells

Report Date: 06-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	27
Chain of Custody	Appended

Client: City Water, Light & Power

Work Order: 24110120

Client Project: Ash Pond Monitoring Wells

Report Date: 06-Dec-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: 24110120

Client Project: Ash Pond Monitoring Wells

Report Date: 06-Dec-24

Qualifiers

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

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 24110120
Report Date: 06-Dec-24

Cooler Receipt Temp: 10.9 °C

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

Radium-226 & -228 analysis was performed by Summit Environmental Technologies. 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: 24110120

Client Project: Ash Pond Monitoring Wells

Report Date: 06-Dec-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	12/31/2024	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: 24110120-001
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: RW-3

Collection Date: 11/11/2024 11:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.49	ft	1	11/11/2024 11:03	R356375
Depth to water	*	-5.00		8.75	ft	1	11/11/2024 11:03	R356375
Depth to water from measuring point	*	0		11.45	ft	1	11/11/2024 11:03	R356375
Elevation of groundwater surface	*	0		528.05	ft	1	11/11/2024 11:03	R356375
Measuring Point Elevation	*	0		539.50	ft	1	11/11/2024 11:03	R356375
Measuring Point Height Above Land Surface	*	0		2.70	ft	1	11/11/2024 11:03	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		48	NTU	1	11/11/2024 11:03	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.8	°F	1	11/11/2024 11:03	R356375
SW-846 9040B								
pH, Field	*	1.00		7.13		1	11/11/2024 11:03	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		531	µmhos/cm @25C	1	11/11/2024 11:03	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		470	mg/L	2.5	11/14/2024 12:11	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 17:09	R355975
Chloride	NELAP	5.00		25.1	mg/L	10	11/13/2024 17:09	R355975
Sulfate	NELAP	10.0		ND	mg/L	10	11/13/2024 17:09	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.180	mg/L	1	11/12/2024 11:03	231044
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 11:03	231044
Boron	NELAP	0.0200		0.137	mg/L	1	11/12/2024 11:03	231044
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 11:03	231044
Calcium	NELAP	0.100		67.2	mg/L	1	11/12/2024 11:03	231044
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:03	231044
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:03	231044
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 11:03	231044
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 11:03	231044
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/15/2024 22:11	231044
Arsenic	NELAP	0.0010		0.214	mg/L	5	11/14/2024 0:51	231044
Lithium	*	0.0030		0.0047	mg/L	5	11/14/2024 17:29	231044
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 0:51	231044
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/14/2024 17:29	231044
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:09	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-002
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-1

Collection Date: 11/11/2024 11:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		504.29	ft	1	11/11/2024 11:44	R356375
Depth to water	*	-5.00		8.12	ft	1	11/11/2024 11:44	R356375
Depth to water from measuring point	*	0		10.39	ft	1	11/11/2024 11:44	R356375
Elevation of groundwater surface	*	0		524.98	ft	1	11/11/2024 11:44	R356375
Measuring Point Elevation	*	0		535.37	ft	1	11/11/2024 11:44	R356375
Measuring Point Height Above Land Surface	*	0		2.27	ft	1	11/11/2024 11:44	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		13	NTU	1	11/11/2024 11:44	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		61.2	°F	1	11/11/2024 11:44	R356375
SW-846 9040B								
pH, Field	*	1.00		6.54		1	11/11/2024 11:44	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1380	µmhos/cm @25C	1	11/11/2024 11:44	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1640	mg/L	2.5	11/14/2024 12:17	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 17:20	R355975
Chloride	NELAP	5.00		52.1	mg/L	10	11/13/2024 17:20	R355975
Sulfate	NELAP	10.0		849	mg/L	10	11/13/2024 17:20	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.269	mg/L	1	11/12/2024 11:05	231044
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 11:05	231044
Boron	NELAP	0.200		23.6	mg/L	10	11/14/2024 9:56	231044
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 11:05	231044
Calcium	NELAP	0.100		237	mg/L	1	11/12/2024 11:05	231044
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:05	231044
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:05	231044
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 11:05	231044
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 11:05	231044
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/15/2024 22:45	231044
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 0:56	231044
Lithium	*	0.0030		0.0094	mg/L	5	11/14/2024 17:35	231044
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 0:56	231044
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/14/2024 17:35	231044
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:22	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-003
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-2

Collection Date: 11/11/2024 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.77	ft	1	11/11/2024 12:21	R356375
Depth to water	*	-5.00		4.04	ft	1	11/11/2024 12:21	R356375
Depth to water from measuring point	*	0		6.54	ft	1	11/11/2024 12:21	R356375
Elevation of groundwater surface	*	0		529.56	ft	1	11/11/2024 12:21	R356375
Measuring Point Elevation	*	0		536.10	ft	1	11/11/2024 12:21	R356375
Measuring Point Height Above Land Surface	*	0		2.50	ft	1	11/11/2024 12:21	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		6.0	NTU	1	11/11/2024 12:21	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		61.3	°F	1	11/11/2024 12:21	R356375
SW-846 9040B								
pH, Field	*	1.00		6.41		1	11/11/2024 12:21	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1140	µmhos/cm @25C	1	11/11/2024 12:21	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1160	mg/L	2.5	11/14/2024 12:18	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 17:32	R355975
Chloride	NELAP	5.00		35.1	mg/L	10	11/13/2024 17:32	R355975
Sulfate	NELAP	10.0		440	mg/L	10	11/13/2024 17:32	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0727	mg/L	1	11/12/2024 11:06	231044
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 11:06	231044
Boron	NELAP	0.0200		3.52	mg/L	1	11/12/2024 11:06	231044
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 11:06	231044
Calcium	NELAP	0.100		222	mg/L	1	11/12/2024 11:06	231044
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:06	231044
Cobalt	NELAP	0.0050		0.0085	mg/L	1	11/12/2024 11:06	231044
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 11:06	231044
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 11:06	231044
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/15/2024 22:49	231044
Arsenic	NELAP	0.0010		0.0016	mg/L	5	11/14/2024 1:58	231044
Lithium	*	0.0030		0.0068	mg/L	5	11/14/2024 17:40	231044
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 1:58	231044
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/14/2024 17:40	231044
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:24	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-004
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-3

Collection Date: 11/11/2024 12:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		514.45	ft	1	11/11/2024 12:55	R356375
Depth to water	*	-5.00		7.00	ft	1	11/11/2024 12:55	R356375
Depth to water from measuring point	*	0		9.55	ft	1	11/11/2024 12:55	R356375
Elevation of groundwater surface	*	0		525.70	ft	1	11/11/2024 12:55	R356375
Measuring Point Elevation	*	0		535.25	ft	1	11/11/2024 12:55	R356375
Measuring Point Height Above Land Surface	*	0		2.55	ft	1	11/11/2024 12:55	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		5.7	NTU	1	11/11/2024 12:55	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		64.7	°F	1	11/11/2024 12:55	R356375
SW-846 9040B								
pH, Field	*	1.00		6.48		1	11/11/2024 12:55	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1070	µmhos/cm @25C	1	11/11/2024 12:55	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1160	mg/L	2.5	11/14/2024 12:18	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 17:44	R355975
Chloride	NELAP	5.00		59.5	mg/L	10	11/13/2024 17:44	R355975
Sulfate	NELAP	10.0		558	mg/L	10	11/13/2024 17:44	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.132	mg/L	1	11/12/2024 11:08	231044
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 11:08	231044
Boron	NELAP	0.0200		14.9	mg/L	1	11/12/2024 11:08	231044
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 11:08	231044
Calcium	NELAP	0.100		185	mg/L	1	11/12/2024 11:08	231044
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:08	231044
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 11:08	231044
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 11:08	231044
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 11:08	231044
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/15/2024 22:53	231044
Arsenic	NELAP	0.0010		0.0182	mg/L	5	11/14/2024 2:04	231044
Lithium	*	0.0030		0.0062	mg/L	5	11/14/2024 17:46	231044
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 2:04	231044
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/14/2024 17:46	231044
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:27	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-005
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-4

Collection Date: 11/11/2024 13:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		495.19	ft	1	11/11/2024 13:38	R356375
Depth to water	*	-5.00		7.77	ft	1	11/11/2024 13:38	R356375
Depth to water from measuring point	*	0		10.91	ft	1	11/11/2024 13:38	R356375
Elevation of groundwater surface	*	0		544.69	ft	1	11/11/2024 13:38	R356375
Measuring Point Elevation	*	0		555.60	ft	1	11/11/2024 13:38	R356375
Measuring Point Height Above Land Surface	*	0		3.14	ft	1	11/11/2024 13:38	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		13	NTU	1	11/11/2024 13:38	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		63.6	°F	1	11/11/2024 13:38	R356375
SW-846 9040B								
pH, Field	*	1.00		6.82		1	11/11/2024 13:38	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		688	µmhos/cm @25C	1	11/11/2024 13:38	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		565	mg/L	2.5	11/14/2024 12:18	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 17:55	R355975
Chloride	NELAP	5.00		12.3	mg/L	10	11/13/2024 17:55	R355975
Sulfate	NELAP	10.0		ND	mg/L	10	11/13/2024 17:55	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.390	mg/L	1	11/12/2024 12:39	231044
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 12:39	231044
Boron	NELAP	0.0200		0.0820	mg/L	1	11/12/2024 12:39	231044
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 12:39	231044
Calcium	NELAP	0.100		< 0.100	mg/L	1	11/12/2024 12:39	231044
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 12:39	231044
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 12:39	231044
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 12:39	231044
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 12:39	231044
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/15/2024 22:57	231044
Arsenic	NELAP	0.0010		0.0246	mg/L	5	11/14/2024 2:09	231044
Lithium	*	0.0030		0.0077	mg/L	5	11/14/2024 17:51	231044
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 2:09	231044
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/14/2024 17:51	231044
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:30	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-006
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-5

Collection Date: 11/11/2024 14:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		552.63	ft	1	11/11/2024 14:28	R356375
Depth to water	*	-5.00		13.98	ft	1	11/11/2024 14:28	R356375
Depth to water from measuring point	*	0		16.28	ft	1	11/11/2024 14:28	R356375
Elevation of groundwater surface	*	0		567.62	ft	1	11/11/2024 14:28	R356375
Measuring Point Elevation	*	0		583.90	ft	1	11/11/2024 14:28	R356375
Measuring Point Height Above Land Surface	*	0		2.30	ft	1	11/11/2024 14:28	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.0	NTU	1	11/11/2024 14:28	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.5	°F	1	11/11/2024 14:28	R356375
SW-846 9040B								
pH, Field	*	1.00		6.90		1	11/11/2024 14:28	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		569	µmhos/cm @25C	1	11/11/2024 14:28	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		470	mg/L	2.5	11/14/2024 12:18	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 18:07	R355975
Chloride	NELAP	5.00		7.59	mg/L	10	11/13/2024 18:07	R355975
Sulfate	NELAP	10.0		59.2	mg/L	10	11/13/2024 18:07	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0525	mg/L	1	11/12/2024 12:41	231044
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 12:41	231044
Boron	NELAP	0.0200		0.0326	mg/L	1	11/12/2024 12:41	231044
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 12:41	231044
Calcium	NELAP	0.100		92.6	mg/L	1	11/12/2024 12:41	231044
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 12:41	231044
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 12:41	231044
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 12:41	231044
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 12:41	231044
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/15/2024 23:01	231044
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 2:15	231044
Lithium	*	0.0030		0.0043	mg/L	5	11/14/2024 17:57	231044
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/14/2024 2:15	231044
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/14/2024 17:57	231044
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:38	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-007
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-6

Collection Date: 11/11/2024 10:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		498.20	ft	1	11/11/2024 10:27	R356375
Depth to water	*	-5.00		7.39	ft	1	11/11/2024 10:27	R356375
Depth to water from measuring point	*	0		9.81	ft	1	11/11/2024 10:27	R356375
Elevation of groundwater surface	*	0		528.01	ft	1	11/11/2024 10:27	R356375
Measuring Point Elevation	*	0		537.82	ft	1	11/11/2024 10:27	R356375
Measuring Point Height Above Land Surface	*	0		2.42	ft	1	11/11/2024 10:27	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		46	NTU	1	11/11/2024 10:27	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.2	°F	1	11/11/2024 10:27	R356375
SW-846 9040B								
pH, Field	*	1.00		7.00		1	11/11/2024 10:27	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		557	µmhos/cm @25C	1	11/11/2024 10:27	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		445	mg/L	2.5	11/14/2024 12:18	R356260
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/13/2024 18:19	R355975
Chloride	NELAP	5.00		34.5	mg/L	10	11/13/2024 18:19	R355975
Sulfate	NELAP	10.0		ND	mg/L	10	11/13/2024 18:19	R355975
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.154	mg/L	1	11/12/2024 19:30	231056
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/12/2024 19:30	231056
Boron	NELAP	0.0200		0.248	mg/L	1	11/12/2024 19:30	231056
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/12/2024 19:30	231056
Calcium	NELAP	0.100		66.0	mg/L	1	11/12/2024 19:30	231056
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 19:30	231056
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/12/2024 19:30	231056
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/12/2024 19:30	231056
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/12/2024 19:30	231056
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		0.0021	mg/L	5	11/20/2024 8:55	231056
Arsenic	NELAP	0.0010		0.0108	mg/L	5	11/15/2024 4:50	231056
Lithium	*	0.0030		0.0104	mg/L	5	11/20/2024 8:55	231056
Selenium	NELAP	0.0010		0.0022	mg/L	5	11/15/2024 4:50	231056
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/15/2024 4:50	231056
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/13/2024 17:40	231083
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-008
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-7

Collection Date: 11/13/2024 11:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		496.50	ft	1	11/13/2024 11:07	R356375
Depth to water	*	-5.00		9.78	ft	1	11/13/2024 11:07	R356375
Depth to water from measuring point	*	0		12.44	ft	1	11/13/2024 11:07	R356375
Elevation of groundwater surface	*	0		526.58	ft	1	11/13/2024 11:07	R356375
Measuring Point Elevation	*	0		539.02	ft	1	11/13/2024 11:07	R356375
Measuring Point Height Above Land Surface	*	0		2.66	ft	1	11/13/2024 11:07	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		55	NTU	1	11/13/2024 11:07	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.7	°F	1	11/13/2024 11:07	R356375
SW-846 9040B								
pH, Field	*	1.00		7.17		1	11/13/2024 11:07	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		774	µmhos/cm @25C	1	11/13/2024 11:07	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	100		470	mg/L	5	11/18/2024 15:00	R356427
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 7:20	R356148
Chloride	NELAP	5.00		62.1	mg/L	10	11/15/2024 7:20	R356148
Sulfate	NELAP	10.0		ND	mg/L	10	11/15/2024 7:20	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.148	mg/L	1	11/18/2024 11:13	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 11:13	231260
Boron	NELAP	0.0200		0.332	mg/L	1	11/18/2024 11:13	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 11:13	231260
Calcium	NELAP	0.100		61.9	mg/L	1	11/18/2024 11:13	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 11:13	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 11:13	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 11:13	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 11:13	231260
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 2:41	231194
Arsenic	NELAP	0.0010		0.0947	mg/L	5	11/20/2024 2:41	231194
Lithium	*	0.0030		0.0079	mg/L	5	11/20/2024 9:47	231194
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 2:41	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 2:41	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 11:23	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-009
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-8

Collection Date: 11/13/2024 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		497.60	ft	1	11/13/2024 13:15	R356375
Depth to water	*	-5.00		4.42	ft	1	11/13/2024 13:15	R356375
Depth to water from measuring point	*	0		7.32	ft	1	11/13/2024 13:15	R356375
Elevation of groundwater surface	*	0		529.88	ft	1	11/13/2024 13:15	R356375
Measuring Point Elevation	*	0		537.20	ft	1	11/13/2024 13:15	R356375
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	11/13/2024 13:15	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		12	NTU	1	11/13/2024 13:15	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.3	°F	1	11/13/2024 13:15	R356375
SW-846 9040B								
pH, Field	*	1.00		6.78		1	11/13/2024 13:15	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		733	µmhos/cm @25C	1	11/13/2024 13:15	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		530	mg/L	2.5	11/18/2024 15:00	R356427
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 17:39	R356222
Chloride	NELAP	5.00		23.2	mg/L	10	11/15/2024 17:39	R356222
Sulfate	NELAP	10.0		ND	mg/L	10	11/15/2024 17:39	R356222
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.364	mg/L	1	11/18/2024 11:14	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 11:14	231260
Boron	NELAP	0.0200		0.0840	mg/L	1	11/18/2024 11:14	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 11:14	231260
Calcium	NELAP	0.100		98.4	mg/L	1	11/18/2024 11:14	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 11:14	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 11:14	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 11:14	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 11:14	231260
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 2:47	231194
Arsenic	NELAP	0.0010		0.0386	mg/L	5	11/20/2024 2:47	231194
Lithium	*	0.0030		0.0069	mg/L	5	11/20/2024 9:53	231194
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 2:47	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 2:47	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 11:52	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-010
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-9

Collection Date: 11/13/2024 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		500.70	ft	1	11/13/2024 12:30	R356375
Depth to water	*	-5.00		10.13	ft	1	11/13/2024 12:30	R356375
Depth to water from measuring point	*	0		13.23	ft	1	11/13/2024 12:30	R356375
Elevation of groundwater surface	*	0		527.07	ft	1	11/13/2024 12:30	R356375
Measuring Point Elevation	*	0		540.30	ft	1	11/13/2024 12:30	R356375
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	11/13/2024 12:30	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.3	NTU	1	11/13/2024 12:30	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.7	°F	1	11/13/2024 12:30	R356375
SW-846 9040B								
pH, Field	*	1.00		6.80		1	11/13/2024 12:30	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		968	µmhos/cm @25C	1	11/13/2024 12:30	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		740	mg/L	2.5	11/19/2024 15:09	R356516
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 17:51	R356222
Chloride	NELAP	5.00		23.6	mg/L	10	11/15/2024 17:51	R356222
Sulfate	NELAP	10.0		17.7	mg/L	10	11/15/2024 17:51	R356222
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.434	mg/L	1	11/18/2024 12:05	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 12:05	231260
Boron	NELAP	0.0200		0.0995	mg/L	1	11/18/2024 12:05	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 12:05	231260
Calcium	NELAP	0.100		104	mg/L	1	11/18/2024 12:05	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:05	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:05	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 12:05	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 12:05	231260
<i>Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 2:53	231194
Arsenic	NELAP	0.0010		0.0019	mg/L	5	11/20/2024 2:53	231194
Lithium	*	0.0030		0.0066	mg/L	5	11/20/2024 9:58	231194
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 2:53	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 2:53	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 11:55	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-011
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-10

Collection Date: 11/12/2024 13:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		499.43	ft	1	11/12/2024 13:07	R356375
Depth to water	*	-5.00		2.49	ft	1	11/12/2024 13:07	R356375
Depth to water from measuring point	*	0		5.59	ft	1	11/12/2024 13:07	R356375
Elevation of groundwater surface	*	0		531.91	ft	1	11/12/2024 13:07	R356375
Measuring Point Elevation	*	0		537.50	ft	1	11/12/2024 13:07	R356375
Measuring Point Height Above Land Surface	*	0		3.10	ft	1	11/12/2024 13:07	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		4.2	NTU	1	11/12/2024 13:07	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.1	°F	1	11/12/2024 13:07	R356375
SW-846 9040B								
pH, Field	*	1.00		6.73		1	11/12/2024 13:07	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1150	µmhos/cm @25C	1	11/12/2024 13:07	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		790	mg/L	2.5	11/15/2024 15:28	R356333
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/14/2024 13:51	R356148
Chloride	NELAP	5.00		25.7	mg/L	10	11/14/2024 13:51	R356148
Sulfate	NELAP	10.0		89.4	mg/L	10	11/14/2024 13:51	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.628	mg/L	1	11/15/2024 10:50	231140
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/15/2024 10:50	231140
Boron	NELAP	0.0200		3.95	mg/L	1	11/15/2024 10:50	231140
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/15/2024 10:50	231140
Calcium	NELAP	0.100		140	mg/L	1	11/15/2024 10:50	231140
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 10:50	231140
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 10:50	231140
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/15/2024 10:50	231140
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/15/2024 10:50	231140
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 10:56	231140
Arsenic	NELAP	0.0010		0.0011	mg/L	5	11/16/2024 10:56	231140
Lithium	*	0.0030		0.0101	mg/L	5	11/20/2024 10:21	231140
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 10:56	231140
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/16/2024 10:56	231140
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/14/2024 12:15	231146
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/03/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-012
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-11

Collection Date: 11/12/2024 10:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.15	ft	1	11/12/2024 10:01	R356375
Depth to water	*	-5.00		12.63	ft	1	11/12/2024 10:01	R356375
Depth to water from measuring point	*	0		15.43	ft	1	11/12/2024 10:01	R356375
Elevation of groundwater surface	*	0		522.67	ft	1	11/12/2024 10:01	R356375
Measuring Point Elevation	*	0		538.10	ft	1	11/12/2024 10:01	R356375
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	11/12/2024 10:01	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		4.1	NTU	1	11/12/2024 10:01	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.7	°F	1	11/12/2024 10:01	R356375
SW-846 9040B								
pH, Field	*	1.00		6.66		1	11/12/2024 10:01	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		958	µmhos/cm @25C	1	11/12/2024 10:01	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		686	mg/L	1	11/15/2024 15:28	R356333
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/14/2024 14:02	R356148
Chloride	NELAP	5.00		91.0	mg/L	10	11/14/2024 14:02	R356148
Sulfate	NELAP	10.0		63.4	mg/L	10	11/14/2024 14:02	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.122	mg/L	1	11/15/2024 14:45	231140
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/15/2024 14:45	231140
Boron	NELAP	0.0200		0.261	mg/L	1	11/15/2024 14:45	231140
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/15/2024 14:45	231140
Calcium	NELAP	0.100		124	mg/L	1	11/15/2024 14:45	231140
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:45	231140
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:45	231140
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/15/2024 14:45	231140
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/15/2024 14:45	231140
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:01	231140
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:01	231140
Lithium	*	0.0030		0.0050	mg/L	5	11/20/2024 10:26	231140
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:01	231140
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/16/2024 11:01	231140
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/14/2024 12:17	231146
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-013
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-12

Collection Date: 11/12/2024 10:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		510.30	ft	1	11/12/2024 10:49	R356375
Depth to water	*	-5.00		15.02	ft	1	11/12/2024 10:49	R356375
Depth to water from measuring point	*	0		17.92	ft	1	11/12/2024 10:49	R356375
Elevation of groundwater surface	*	0		522.78	ft	1	11/12/2024 10:49	R356375
Measuring Point Elevation	*	0		540.70	ft	1	11/12/2024 10:49	R356375
Measuring Point Height Above Land Surface	*	0		2.90	ft	1	11/12/2024 10:49	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		26	NTU	1	11/12/2024 10:49	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.6	°F	1	11/12/2024 10:49	R356375
SW-846 9040B								
pH, Field	*	1.00		6.59		1	11/12/2024 10:49	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1550	µmhos/cm @25C	1	11/12/2024 10:49	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1300	mg/L	2.5	11/15/2024 15:28	R356333
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/14/2024 15:01	R356148
Chloride	NELAP	5.00		120	mg/L	10	11/14/2024 15:01	R356148
Sulfate	NELAP	10.0		457	mg/L	10	11/14/2024 15:01	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0458	mg/L	1	11/15/2024 14:46	231140
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/15/2024 14:46	231140
Boron	NELAP	0.0200		< 0.0200	mg/L	1	11/15/2024 14:46	231140
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/15/2024 14:46	231140
Calcium	NELAP	0.100		203	mg/L	1	11/15/2024 14:46	231140
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:46	231140
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:46	231140
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/15/2024 14:46	231140
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/15/2024 14:46	231140
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:07	231140
Arsenic	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:07	231140
Lithium	*	0.0030		0.0065	mg/L	5	11/20/2024 10:32	231140
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:07	231140
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/16/2024 11:07	231140
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/14/2024 12:20	231146
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	11/27/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	11/27/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-014
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-13

Collection Date: 11/12/2024 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		511.00	ft	1	11/12/2024 11:25	R356375
Depth to water	*	-5.00		16.00	ft	1	11/12/2024 11:25	R356375
Depth to water from measuring point	*	0		19.40	ft	1	11/12/2024 11:25	R356375
Elevation of groundwater surface	*	0		522.60	ft	1	11/12/2024 11:25	R356375
Measuring Point Elevation	*	0		542.00	ft	1	11/12/2024 11:25	R356375
Measuring Point Height Above Land Surface	*	0		3.40	ft	1	11/12/2024 11:25	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		7.3	NTU	1	11/12/2024 11:25	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.8	°F	1	11/12/2024 11:25	R356375
SW-846 9040B								
pH, Field	*	1.00		6.67		1	11/12/2024 11:25	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		776	µmhos/cm @25C	1	11/12/2024 11:25	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		655	mg/L	2.5	11/15/2024 15:35	R356333
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/14/2024 15:12	R356148
Chloride	NELAP	5.00		25.8	mg/L	10	11/14/2024 15:12	R356148
Sulfate	NELAP	10.0		121	mg/L	10	11/14/2024 15:12	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.120	mg/L	1	11/15/2024 14:47	231140
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/15/2024 14:47	231140
Boron	NELAP	0.0200		< 0.0200	mg/L	1	11/15/2024 14:47	231140
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/15/2024 14:47	231140
Calcium	NELAP	0.100		103	mg/L	1	11/15/2024 14:47	231140
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:47	231140
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:47	231140
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/15/2024 14:47	231140
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/15/2024 14:47	231140
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:13	231140
Arsenic	NELAP	0.0010		0.0038	mg/L	5	11/16/2024 11:13	231140
Lithium	*	0.0030		0.0120	mg/L	5	11/20/2024 10:38	231140
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:13	231140
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/16/2024 11:13	231140
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/14/2024 12:38	231146
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-015
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: AP-14

Collection Date: 11/12/2024 13:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		508.40	ft	1	11/12/2024 13:43	R356375
Depth to water	*	-5.00		1.84	ft	1	11/12/2024 13:43	R356375
Depth to water from measuring point	*	0		4.64	ft	1	11/12/2024 13:43	R356375
Elevation of groundwater surface	*	0		534.96	ft	1	11/12/2024 13:43	R356375
Measuring Point Elevation	*	0		539.60	ft	1	11/12/2024 13:43	R356375
Measuring Point Height Above Land Surface	*	0		2.80	ft	1	11/12/2024 13:43	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		8.0	NTU	1	11/12/2024 13:43	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		56.2	°F	1	11/12/2024 13:43	R356375
SW-846 9040B								
pH, Field	*	1.00		6.93		1	11/12/2024 13:43	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1740	µmhos/cm @25C	1	11/12/2024 13:43	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1840	mg/L	2.5	11/15/2024 15:35	R356333
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/14/2024 15:24	R356148
Chloride	NELAP	5.00		94.0	mg/L	10	11/14/2024 15:24	R356148
Sulfate	NELAP	10.0		909	mg/L	10	11/14/2024 15:24	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0413	mg/L	1	11/15/2024 14:47	231140
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/15/2024 14:47	231140
Boron	NELAP	0.200		21.0	mg/L	10	11/18/2024 13:45	231140
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/15/2024 14:47	231140
Calcium	NELAP	0.100		253	mg/L	1	11/15/2024 14:47	231140
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:47	231140
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:47	231140
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/15/2024 14:47	231140
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/15/2024 14:47	231140
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:18	231140
Arsenic	NELAP	0.0010		0.0022	mg/L	5	11/16/2024 11:18	231140
Lithium	*	0.0030		0.0072	mg/L	5	11/20/2024 10:43	231140
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:18	231140
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/16/2024 11:18	231140
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/14/2024 12:40	231146
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-016
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: T-1

Collection Date: 11/12/2024 12:09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		512.70	ft	1	11/12/2024 12:09	R356375
Depth to water	*	-5.00		13.68	ft	1	11/12/2024 12:09	R356375
Depth to water from measuring point	*	0		14.01	ft	1	11/12/2024 12:09	R356375
Elevation of groundwater surface	*	0		521.64	ft	1	11/12/2024 12:09	R356375
Measuring Point Elevation	*	0		535.65	ft	1	11/12/2024 12:09	R356375
Measuring Point Height Above Land Surface	*	0		0.33	ft	1	11/12/2024 12:09	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		23	NTU	1	11/12/2024 12:09	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		57.1	°F	1	11/12/2024 12:09	R356375
SW-846 9040B								
pH, Field	*	1.00		6.57		1	11/12/2024 12:09	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1470	µmhos/cm @25C	1	11/12/2024 12:09	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		1060	mg/L	2.5	11/15/2024 15:35	R356333
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/14/2024 15:59	R356148
Chloride	NELAP	5.00		233	mg/L	10	11/14/2024 15:59	R356148
Sulfate	NELAP	10.0		224	mg/L	10	11/14/2024 15:59	R356148
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0707	mg/L	1	11/15/2024 14:48	231140
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/15/2024 14:48	231140
Boron	NELAP	0.0200		0.150	mg/L	1	11/15/2024 14:48	231140
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/15/2024 14:48	231140
Calcium	NELAP	0.100		172	mg/L	1	11/15/2024 14:48	231140
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:48	231140
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/15/2024 14:48	231140
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/15/2024 14:48	231140
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/15/2024 14:48	231140
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:53	231140
Arsenic	NELAP	0.0010		0.0019	mg/L	5	11/16/2024 11:53	231140
Lithium	*	0.0030		0.0199	mg/L	5	11/20/2024 10:49	231140
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/16/2024 11:53	231140
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/16/2024 11:53	231140
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/14/2024 12:43	231146
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-017
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: T-2

Collection Date: 11/13/2024 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		515.18	ft	1	11/13/2024 13:40	R356375
Depth to water	*	-5.00		12.83	ft	1	11/13/2024 13:40	R356375
Depth to water from measuring point	*	0		15.23	ft	1	11/13/2024 13:40	R356375
Elevation of groundwater surface	*	0		534.39	ft	1	11/13/2024 13:40	R356375
Measuring Point Elevation	*	0		549.62	ft	1	11/13/2024 13:40	R356375
Measuring Point Height Above Land Surface	*	0		2.40	ft	1	11/13/2024 13:40	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		18	NTU	1	11/13/2024 13:40	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		55.5	°F	1	11/13/2024 13:40	R356375
SW-846 9040B								
pH, Field	*	1.00		6.54		1	11/13/2024 13:40	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		1870	µmhos/cm @25C	1	11/13/2024 13:40	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50	H	1580	mg/L	2.5	11/21/2024 17:12	R356629
<i>Sample analysis did not meet hold time requirements.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 18:02	R356222
Chloride	NELAP	5.00		509	mg/L	10	11/15/2024 18:02	R356222
Sulfate	NELAP	10.0		142	mg/L	10	11/15/2024 18:02	R356222
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.225	mg/L	1	11/18/2024 12:07	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 12:07	231260
Boron	NELAP	0.0200		0.0507	mg/L	1	11/18/2024 12:07	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 12:07	231260
Calcium	NELAP	0.100		211	mg/L	1	11/18/2024 12:07	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:07	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:07	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 12:07	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 12:07	231260
<i>Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 3:00	231194
Arsenic	NELAP	0.0010		0.0060	mg/L	5	11/20/2024 3:00	231194
Lithium	*	0.0030		0.0345	mg/L	5	11/20/2024 10:43	231194
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 3:00	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 3:00	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 11:58	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-018
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: T-4

Collection Date: 11/13/2024 12:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		521.52	ft	1	11/13/2024 12:07	R356375
Depth to water	*	-5.00		17.24	ft	1	11/13/2024 12:07	R356375
Depth to water from measuring point	*	0		19.62	ft	1	11/13/2024 12:07	R356375
Elevation of groundwater surface	*	0		529.32	ft	1	11/13/2024 12:07	R356375
Measuring Point Elevation	*	0		548.94	ft	1	11/13/2024 12:07	R356375
Measuring Point Height Above Land Surface	*	0		2.38	ft	1	11/13/2024 12:07	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		32	NTU	1	11/13/2024 12:07	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.1	°F	1	11/13/2024 12:07	R356375
SW-846 9040B								
pH, Field	*	1.00		6.65		1	11/13/2024 12:07	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		648	µmhos/cm @25C	1	11/13/2024 12:07	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50	H	695	mg/L	2.5	11/21/2024 17:12	R356629
<i>Sample analysis did not meet hold time requirements.</i>								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 9:06	R356222
Chloride	NELAP	5.00		ND	mg/L	10	11/15/2024 9:06	R356222
Sulfate	NELAP	10.0		104	mg/L	10	11/15/2024 9:06	R356222
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0578	mg/L	1	11/18/2024 12:08	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 12:08	231260
Boron	NELAP	0.0200		0.0565	mg/L	1	11/18/2024 12:08	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 12:08	231260
Calcium	NELAP	0.100		96.8	mg/L	1	11/18/2024 12:08	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:08	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:08	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 12:08	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 12:08	231260
<i>Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 3:48	231194
Arsenic	NELAP	0.0010		0.0055	mg/L	5	11/20/2024 3:48	231194
Lithium	*	0.0030		0.0161	mg/L	5	11/20/2024 10:49	231194
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 3:48	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 3:48	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 12:00	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-019
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: T-5

Collection Date: 11/13/2024 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		518.32	ft	1	11/13/2024 11:35	R356375
Depth to water	*	-5.00		8.95	ft	1	11/13/2024 11:35	R356375
Depth to water from measuring point	*	0		11.46	ft	1	11/13/2024 11:35	R356375
Elevation of groundwater surface	*	0		529.20	ft	1	11/13/2024 11:35	R356375
Measuring Point Elevation	*	0		540.66	ft	1	11/13/2024 11:35	R356375
Measuring Point Height Above Land Surface	*	0		2.51	ft	1	11/13/2024 11:35	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		10	NTU	1	11/13/2024 11:35	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		59.9	°F	1	11/13/2024 11:35	R356375
SW-846 9040B								
pH, Field	*	1.00		6.82		1	11/13/2024 11:35	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		549	µmhos/cm @25C	1	11/13/2024 11:35	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		382	mg/L	1	11/19/2024 14:17	R356516
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 9:40	R356222
Chloride	NELAP	5.00		ND	mg/L	10	11/15/2024 9:40	R356222
Sulfate	NELAP	10.0		40.4	mg/L	10	11/15/2024 9:40	R356222
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.0564	mg/L	1	11/18/2024 12:10	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 12:10	231260
Boron	NELAP	0.0200		0.0791	mg/L	1	11/18/2024 12:10	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 12:10	231260
Calcium	NELAP	0.100		70.3	mg/L	1	11/18/2024 12:10	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:10	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:10	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 12:10	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 12:10	231260
<i>Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 3:54	231194
Arsenic	NELAP	0.0010		0.0016	mg/L	5	11/20/2024 3:54	231194
Lithium	*	0.0030		0.0109	mg/L	5	11/20/2024 10:54	231194
Selenium	NELAP	0.0010		0.0012	mg/L	5	11/20/2024 3:54	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 3:54	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 12:08	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Laboratory Results

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

Client: City Water, Light & Power
 Client Project: Ash Pond Monitoring Wells
 Lab ID: 24110120-020
 Matrix: GROUNDWATER

Work Order: 24110120
 Report Date: 06-Dec-24

Client Sample ID: T-6

Collection Date: 11/13/2024 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		494.70	ft	1	11/13/2024 10:37	R356375
Depth to water	*	-5.00		8.66	ft	1	11/13/2024 10:37	R356375
Depth to water from measuring point	*	0		11.02	ft	1	11/13/2024 10:37	R356375
Elevation of groundwater surface	*	0		527.30	ft	1	11/13/2024 10:37	R356375
Measuring Point Elevation	*	0		538.32	ft	1	11/13/2024 10:37	R356375
Measuring Point Height Above Land Surface	*	0		2.36	ft	1	11/13/2024 10:37	R356375
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		14	NTU	1	11/13/2024 10:37	R356375
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		58.1	°F	1	11/13/2024 10:37	R356375
SW-846 9040B								
pH, Field	*	1.00		6.97		1	11/13/2024 10:37	R356375
SW-846 9050A								
Spec. Conductance, Field	*	1.00		869	µmhos/cm @25C	1	11/13/2024 10:37	R356375
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		595	mg/L	2.5	11/19/2024 14:07	R356516
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		ND	mg/L	10	11/15/2024 10:16	R356222
Chloride	NELAP	5.00		19.4	mg/L	10	11/15/2024 10:16	R356222
Sulfate	NELAP	10.0		ND	mg/L	10	11/15/2024 10:16	R356222
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		0.306	mg/L	1	11/18/2024 12:12	231260
Beryllium	NELAP	0.0005		< 0.0005	mg/L	1	11/18/2024 12:12	231260
Boron	NELAP	0.0200		0.210	mg/L	1	11/18/2024 12:12	231260
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/18/2024 12:12	231260
Calcium	NELAP	0.100		91.4	mg/L	1	11/18/2024 12:12	231260
Chromium	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:12	231260
Cobalt	NELAP	0.0050		< 0.0050	mg/L	1	11/18/2024 12:12	231260
Lead	NELAP	0.0075		< 0.0075	mg/L	1	11/18/2024 12:12	231260
Molybdenum	NELAP	0.0100		< 0.0100	mg/L	1	11/18/2024 12:12	231260
<i>Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 4:00	231194
Arsenic	NELAP	0.0010		0.0158	mg/L	5	11/20/2024 4:00	231194
Lithium	*	0.0030		0.0134	mg/L	5	11/20/2024 11:00	231194
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	11/20/2024 4:00	231194
Thallium	NELAP	0.0020		< 0.0020	mg/L	5	11/20/2024 4:00	231194
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/18/2024 12:11	231196
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163
Radium-228	*	0		See Attached	pci/L	1	12/04/2024 0:00	R357163



Receiving Check List

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

Client: City Water, Light & Power

Work Order: 24110120

Client Project: Ash Pond Monitoring Wells

Report Date: 06-Dec-24

Carrier: Daniel Crump

Received By: JMD

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

11-Nov-24

Amber Dilallo

On:

14-Nov-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes No Not Present Temp °C **10.9**
- Type of thermal preservation? None Ice Blue Ice Dry Ice
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Reported field parameters measured: Field Lab NA
- Container/Temp Blank temperature in compliance? Yes No

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

- Water – at least one vial per sample has zero headspace? Yes No No VOA vials
- Water - TOX containers have zero headspace? Yes No No TOX containers
- Water - pH acceptable upon receipt? Yes No NA
- NPDES/CWA TCN interferences checked/treated in the field? Yes No NA

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

pH strip #96651. - JD/amberdilallo - 11/11/2024 4:39:54 PM

Samples were received on 11/12/24 at 15:30 on ice [9.1 - LTG5]. Additional nitric acid (100984) was needed in 1 of 2 containers for AP-10. - MDarling - 11/13/2024 8:38:32 AM

Samples were received on 11/13/24 at 15:45 on ice [10.1C - LTG#5]. pH strip # 96651 - Ihenson - 11/14/2024 8:27:05 AM

CHAIN OF CUSTODY

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: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>10.9 °C 5</u> Preserved in: <input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: <u>96651</u> <div style="text-align: right;"><u>JD 11/11/24</u></div>
--	--

Are these samples known to be involved in litigation? If yes, a surcharge will apply: Yes No

Are these samples known to be hazardous? Yes No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: Yes No Permit on file

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

PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>Justin Cop</u>
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RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 12 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS
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# and Type of Containers	INDICATE ANALYSIS REQUESTED									
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
													<i>24110120-001</i>	RW-3	<i>11-11-24 1103</i>	Groundwater	1	2
<i>002</i>	AP-1	<i>11-11-24 / 1144</i>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>003</i>	AP-2	<i>1221</i>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>004</i>	AP-3	<i>1255</i>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>005</i>	AP-4	<i>1338</i>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>006</i>	AP-5	<i>1428</i>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>007</i>	AP-6	<i>1027</i>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>008</i>	AP-7		Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>009</i>	AP-8		Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>010</i>	AP-9		Groundwater	1	2								✓	✓	✓	✓	✓	✓
<i>011</i>	AP-10		Groundwater	1	2								✓	✓	✓	✓	✓	✓

Relinquished By <i>Eric Staley</i>	Date/Time <i>11-11 / 1610</i>	Received By <i>Justin Cop</i>	Date/Time <i>11/11/24 16:10</i>
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*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 24110120

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: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: _____ Client Comments: _____
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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 <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME _____	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS _____
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
	<u>24110120-012</u>	<u>AP-11</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>013</u>	<u>AP-12</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>014</u>	<u>AP-13</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>015</u>	<u>AP-14</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>016</u>	<u>T-1</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>017</u>	<u>T-2</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>018</u>	<u>T-4</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>019</u>	<u>T-5</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>020</u>	<u>T-6</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			<u>Groundwater</u>															
			<u>Groundwater</u>															

Relinquished By <u>[Signature]</u>	Date/Time <u>11-11/1610</u>	Received By <u>[Signature]</u>	Date/Time <u>11/11/24 16:10</u>
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*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

CHAIN OF CUSTODY

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

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:

Samples on: ICE BLUE ICE NO ICE 9.1 °C 5
 Preserved in: LAB FIELD FOR LAB USE ONLY
 LAB NOTES: Add HNO3 (100% 954) to AP10.
of 96691 m-0 II 11/13/24

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

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

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Brett Gillihan

and Type of Containers **INDICATE ANALYSIS REQUESTED**

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

BILLING INSTRUCTIONS

		UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity								
24110120-001	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										✓	✓	✓	✓	✓	✓								

Lab Use Only	Sample ID	Date/Time Sampled	Matrix
	RW-3		Groundwater
	AP-1		Groundwater
	AP-2		Groundwater
	AP-3		Groundwater
	AP-4		Groundwater
	AP-5		Groundwater
	AP-6		Groundwater
	AP-7		Groundwater
	AP-8		Groundwater
	AP-9		Groundwater
	AP-10	<u>11-12-24 1307</u>	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
<u>[Signature]</u>	<u>11-12 / 1530</u>	<u>[Signature]</u>	<u>11/12/24 15:30</u>

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MJD
11/17

CHAIN OF CUSTODY

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: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: <u>X1343 TESA 11/21/24</u>
--	---

Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file	Client Comments: *elevations, pH, conductivity, temperature **Sb As Se Li TI (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo Quarterly monitoring
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PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>Brett Gillihan</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS	
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
	<u>24110120-012</u>	<u>AP-11</u>	<u>11-2-24 1001</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>013</u>	<u>AP-12</u>	<u>1049</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>014</u>	<u>AP-13</u>	<u>1125</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>015</u>	<u>AP-14</u>	<u>*13493</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>016</u>	<u>T-1</u>	<u>1209</u>	<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>017</u>	<u>T-2</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>018</u>	<u>T-4</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>019</u>	<u>T-5</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>020</u>	<u>T-6</u>		<u>Groundwater</u>	<u>1</u>	<u>2</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
				<u>Groundwater</u>														
				<u>Groundwater</u>														

Relinquished By <u>[Signature]</u>	Date/Time <u>11-12/1530</u>	Received By <u>[Signature]</u>	Date/Time <u>11/21/24 15:30</u>
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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 24110120

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: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>10.1°c</u> <u>5</u> Preserved in: <input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD FOR LAB USE ONLY LAB NOTES: <u>pH 9.0051</u> wt 4/14/24
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Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit on file	Client Comments: *elevations, pH, conductivity, temperature **Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo Quarterly monitoring
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PROJECT NAME/NUMBER <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>Brett Gilligan</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
24110120-001	RW-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
002	AP-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	AP-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	AP-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	AP-4		Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	AP-5		Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	AP-6		Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	AP-7	11/13/24 1107	Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AP-8	11/13/24 1315	Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AP-9	11/13/24 1230	Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	AP-10		Groundwater	1	2								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
<u>Brett Gilligan</u>	<u>11-13/1545</u>	<u>[Signature]</u>	<u>11/13/24 1545</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

CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 24110120

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: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: _____ Client Comments: _____
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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 <u>Ash Pond Monitoring Wells</u>	SAMPLE COLLECTOR'S NAME <u>Brett Gillihan</u>	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)	BILLING INSTRUCTIONS
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 IDS (†)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
24110120-012	AP-11		Groundwater	1	2								✓	✓	✓	✓	✓	✓
013	AP-12		Groundwater	1	2								✓	✓	✓	✓	✓	✓
014	AP-13		Groundwater	1	2								✓	✓	✓	✓	✓	✓
015	AP-14		Groundwater	1	2								✓	✓	✓	✓	✓	✓
016	T-1	<u>1204</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
017	T-2	<u>11-1324 1340</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
018	T-4	<u>1207</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
019	T-5	<u>1135</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
020	T-6	<u>1037</u>	Groundwater	1	2								✓	✓	✓	✓	✓	✓
			Groundwater															
			Groundwater															

Relinquished By <u>[Signature]</u>	Date/Time <u>11-13/1545</u>	Received By <u>[Signature]</u>	Date/Time <u>11/13/24 1545</u>
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*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: RW-3
Sample ID: 001
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

Temp: 56 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 10:36 Static Water Level: 11.45 feet below TOC
 Total Depth: 44.01 feet below TOC
 Water Column: 32.56 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 32.56 ft. x 0.022 = 0.72 L x 3 Vol. = 2.16 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.50 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:37	0.0	173	purge start time						
10:42	0.9	↓	7.12	525.70	14.52	4.56	-168.70	6.48	
10:45	1.4		7.13	532.90	14.51	3.40	-178.00	46.77	
10:48	1.9		7.13	535.30	14.50	2.78	-180.60	90.25	
10:51	2.5		7.13	535.60	14.50	2.41	-181.80	122.85	
10:54	3.0		7.13	535.60	14.47	2.17	-182.50	72.57	
10:57	3.5		7.13	535.40	14.45	1.99	-182.90	112.49	
11:00	4.0		7.13	534.70	14.47	1.87	-183.00	50.61	
11:03	4.5		7.13	531.10	14.90	1.77	-182.40	47.61	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 11:03
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.13 pH 531.10 Spec. Cond. 14.90 Temp
 Field Filtered: Yes Filter Type: Inline Disposable
 Water Level: 15.89 feet below TOC Drawdown: 4.44 feet

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

- Field Meter: 210771

Form Completed By: 

Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-1
Sample ID: 002
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 11:19 Static Water Level: 10.39 feet below TOC
 Total Depth: 31.08 feet below TOC
 Water Column: 20.69 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 20.69 ft. x 0.022 = 0.46 L x 3 Vol. = 1.38 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 3.50 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:19	0.0	140	purge start time						
11:26	1.0	↓	6.54	1,269.10	15.84	3.49	-82.60	34.54	
11:29	1.4		6.54	1,307.80	15.87	2.83	-98.40	26.67	
11:32	1.8		6.54	1,328.20	15.98	2.43	-105.40	21.37	
11:35	2.2		6.54	1,343.50	16.07	2.16	-108.70	16.20	
11:38	2.7		6.54	1,356.50	16.17	1.97	-111.20	13.42	
11:41	3.1		6.54	1,368.10	16.23	1.83	-112.70	12.88	
11:44	3.5		6.54	1,377.10	16.24	1.72	-113.90	13.14	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 11:44
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.54 pH 1,377.10 Spec. Cond. 16.24 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 10.51 feet below TOC Drawdown: 0.12 feet

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

- Field Meter: 210771

Form Completed By:  Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-2
Sample ID: 003
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 11:53 Static Water Level: 6.54 feet below TOC
 Total Depth: 21.33 feet below TOC
 Water Column: 14.79 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 14.79 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: none

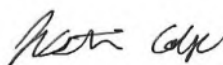
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:53	0.0	214	purge start time						
12:00	1.5	↓	6.42	1,127.80	16.43	3.88	1.10	31.79	
12:03	2.1		6.41	1,131.40	16.38	3.04	-1.30	24.05	
12:06	2.8		6.41	1,134.90	16.33	2.54	-3.40	16.72	
12:09	3.4		6.41	1,137.30	16.31	2.23	-4.90	13.76	
12:12	4.1		6.41	1,138.80	16.27	2.01	-6.20	10.23	
12:15	4.7		6.41	1,140.60	16.25	1.86	-7.10	7.14	
12:18	5.4		6.41	1,142.00	16.24	1.74	-8.10	5.54	
12:21	6.0		6.41	1,143.30	16.26	1.65	-8.80	6.05	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 12:21
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.41 pH 1,143.30 Spec. Cond. 16.26 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 6.61 feet below TOC Drawdown: 0.07 feet

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

- Field Meter: 210771

Form Completed By: 

Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-3
Sample ID: 004
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 12:28 Static Water Level: 9.55 feet below TOC
 Total Depth: 20.80 feet below TOC
 Water Column: 11.25 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 11.25 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.50 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:28	0.0	167	purge start time						
12:34	1.0	↓	6.50	1,066.10	17.84	4.02	-61.30	48.34	
12:37	1.5		6.48	1,069.40	18.11	3.05	-59.80	33.02	
12:40	2.0		6.48	1,071.90	18.13	2.53	-63.60	25.25	
12:43	2.5		6.48	1,070.90	18.15	2.22	-64.90	18.80	
12:46	3.0		6.48	1,071.00	18.21	2.01	-66.80	13.00	
12:49	3.5		6.48	1,071.60	18.13	1.86	-68.90	9.95	
12:52	4.0		6.48	1,070.80	18.09	1.75	-70.90	7.60	
12:55	4.5		6.48	1,070.20	18.19	1.66	-72.60	5.70	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 12:55
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.48 pH 1,070.20 Spec. Cond. 18.19 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 9.55 feet below TOC Drawdown: 0.00 feet

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

- Field Meter: 210771

Form Completed By: *Justin Colp*

Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-4
Sample ID: 005
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 13:10 Static Water Level: 10.91 feet below TOC
 Total Depth: 60.41 feet below TOC
 Water Column: 49.50 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 49.5 ft. x 0.022 = 1.09 L x 3 Vol. = 3.27 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:11	0.0	222	purge start time						
13:20	2.0	↓	6.81	681.40	17.79	3.86	-117.30	10.74	
13:23	2.7		6.81	683.50	17.73	3.06	-124.10	11.13	
13:26	3.3		6.82	684.40	17.70	2.55	-128.20	12.26	
13:29	4.0		6.82	686.00	17.61	2.22	-130.50	12.81	
13:32	4.7		6.82	687.30	17.58	1.99	-131.90	12.48	
13:35	5.3		6.82	687.80	17.56	1.83	-132.90	13.25	
13:38	6.0		6.82	688.10	17.53	1.71	-133.50	12.90	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 13:38
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.82 pH 688.10 Spec. Cond. 17.53 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 11.09 feet below TOC Drawdown: 0.18 feet

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

- Field Meter: 210771

Form Completed By:  Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-5
Sample ID: 006
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 13:52 Static Water Level: 16.28 feet below TOC
 Total Depth: 31.27 feet below TOC
 Water Column: 14.99 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 14.99 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:53	0.0	171	purge start time						
14:01	1.4	↓	6.95	560.40	14.92	5.12	16.00	3.62	
14:04	1.9		6.93	563.50	14.84	4.41	21.90	3.94	
14:07	2.4		6.92	565.40	14.82	3.90	26.70	3.71	
14:10	3.0		6.92	566.90	14.81	3.55	30.90	3.68	
14:13	3.5		6.91	567.90	14.79	3.31	34.80	3.91	
14:16	4.0		6.91	568.60	14.81	3.11	38.00	4.72	
14:19	4.5		6.91	569.00	14.81	2.97	40.80	5.23	
14:22	5.0		6.91	569.30	14.77	2.85	43.10	5.53	
14:25	5.5		6.91	569.20	14.75	2.75	45.20	5.69	
14:28	6.0		6.90	569.40	14.73	2.68	47.10	7.95	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 14:28
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 6.90 pH 569.40 Spec. Cond. 14.73 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 17.51 feet below TOC Drawdown: 1.23 feet

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

- Field Meter: 210771

Form Completed By: Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-6
Sample ID: 007
Date (s): 11/11/2024

Field Team Members

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

Weather Conditions

Temp: 54 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/11/2024 9:53 Static Water Level: 9.81 feet below TOC
 Total Depth: 39.62 feet below TOC
 Water Column: 29.81 feet

Purging Activities

Purged By: JC Purge Date: 11/11/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 29.81 ft. x 0.022 = 0.66 L x 3 Vol. = 1.98 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:54	0.0	152	purge start time						
10:00	1.0	↓	6.94	559.70	14.34	4.83	-126.70	19.66	
10:03	1.4		6.96	559.30	14.54	3.83	-128.70	40.45	
10:06	1.9		6.97	559.40	14.80	3.29	-127.40	48.92	
10:09	2.3		6.98	559.10	14.87	2.94	-124.90	39.08	
10:12	2.8		6.98	558.90	14.93	2.69	-123.30	41.40	
10:15	3.2		6.99	558.00	14.95	2.48	-122.00	40.96	
10:18	3.7		6.99	558.10	14.97	2.32	-120.90	60.40	
10:21	4.1		6.99	558.00	14.98	2.18	-119.80	43.02	
10:24	4.6		7.00	557.50	14.98	2.06	-118.70	40.71	
10:27	5.0		7.00	557.40	15.09	1.96	-117.40	46.15	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/11/2024 10:27
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.00 pH 557.40 Spec. Cond. 15.09 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 15.35 feet below TOC Drawdown: 5.54 feet

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

- Field Meter: 210771

Form Completed By:  Date: 11/11/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-7
Sample ID: 008
Date (s): 11/13/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 10:47 Static Water Level: 12.44 feet below TOC
 Total Depth: 42.52 feet below TOC
 Water Column: 30.08 feet

Purging Activities

Purged By: BG Purge Date: 11/13/2024
 Purge Method: Bladder Pump Well Diameter: 2"
 Purge Volume Calculation (L): 30.08 ft. x 0.022 = 0.66 L x 3 Vol. = 1.98 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:47	0.0	300	purge start time						
10:52	1.5	↓	7.31	711.40	13.46	1.34	-87.00	12.06	
10:55	2.4		7.22	748.70	13.77	0.95	-105.20	152.78	
10:58	3.3		7.19	765.90	13.83	0.87	-117.50	16.64	
11:01	4.2		7.18	771.50	13.87	0.77	-125.10	18.78	
11:04	5.1		7.17	775.00	13.73	0.69	-130.40	47.72	
11:07	6.0		7.17	774.30	13.70	0.64	-134.40	55.07	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2024 11:07
 Sample Method: Low Flow Sample Equipment: Bladder Pump
 Sample Parameters: 7.17 pH 774.30 Spec. Cond. 13.70 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 12.89 feet below TOC Drawdown: 0.45 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/13/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-8
Sample ID: 009
Date (s): 11/13/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
 Name: _____ Affiliation: _____

Weather Conditions

Temp: 49 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 12:55 Static Water Level: 7.32 feet below TOC
 Total Depth: 39.60 feet below TOC
 Water Column: 32.28 feet

Purging Activities

Purged By: TC Purge Date: 11/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 32.28 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:55	0.0	300	purge start time						
13:03	2.4	↓	6.79	733.30	14.12	1.20	-155.50	3.49	
13:06	3.3		6.79	733.60	14.08	0.94	-159.80	3.00	
13:09	4.2		6.78	733.40	14.09	0.81	-161.10	5.05	
13:12	5.1		6.78	733.30	14.10	0.74	-161.90	8.64	
13:15	6.0		6.78	733.20	14.07	0.69	-162.70	11.93	

Sampling Activities

Sampled By: TC Sample Date/Time: 11/13/2024 13:15
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.78 pH 733.20 Spec. Cond. 14.07 Temp
 Field Filtered: Yes Filter Type: Inline Disposable
 Water Level: 7.65 feet below TOC Drawdown: 0.33 feet

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

- Field Meter: 45720

Form Completed By: Tracy Carroll Date: 11/13/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-9
Sample ID: 010
Date (s): 11/13/2024

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 12:17 Static Water Level: 13.23 feet below TOC
 Total Depth: 39.60 feet below TOC
 Water Column: 26.37 feet

Purging Activities

Purged By: BG Purge Date: 11/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 26.37 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.50 L
 Physical appearance of purge water: Clear Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:17	0.0	346	purge start time						
12:21	1.4	↓	6.80	969.80	14.66	2.46	-31.70	10.41	
12:24	2.4		6.80	964.80	14.77	2.34	-52.80	5.50	
12:27	3.5		6.80	968.30	14.83	2.18	-61.60	4.90	
12:30	4.5		6.80	968.20	14.86	1.77	-67.20	8.30	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2024 12:30
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.80 pH 968.20 Spec. Cond. 14.86 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 13.62 feet below TOC Drawdown: 0.39 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/13/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-10
Sample ID: 011
Date (s): 11/12/2024

Field Team Members

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

Weather Conditions

Temp: 53 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/12/2024 12:48 Static Water Level: 5.59 feet below TOC
 Total Depth: 38.07 feet below TOC
 Water Column: 32.48 feet

Purging Activities

Purged By: BG Purge Date: 11/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 32.48 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:48	0.0	316	purge start time						
12:52	1.3	↓	6.88	1,154.40	13.84	1.87	-91.80	6.65	
12:55	2.2		6.79	1,152.30	13.93	1.57	-89.20	5.80	
12:58	3.2		6.76	1,152.90	13.91	1.45	-88.40	4.83	
13:01	4.1		6.75	1,152.60	13.92	1.39	-87.40	4.48	
13:04	5.1		6.74	1,154.10	13.92	1.21	-88.10	4.32	
13:07	6.0		6.73	1,152.60	13.96	1.18	-88.70	4.17	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2024 13:07
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.73 pH 1,152.60 Spec. Cond. 13.96 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 5.96 feet below TOC Drawdown: 0.37 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/12/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-11
Sample ID: 012
Date (s): 11/12/2024

Field Team Members

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

Weather Conditions

Temp: 46 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

Well Pad Good
 Casing Good
 Protective Casing Good
 Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/12/2024 9:42 Static Water Level: 15.43 feet below TOC
 Total Depth: 22.95 feet below TOC
 Water Column: 7.52 feet

Purging Activities

Purged By: BG Purge Date: 11/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 7.52 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: Moderate Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:42	0.0	263	purge start time						
9:49	1.8	↓	6.98	960.80	13.91	2.87	-75.70	9.56	
9:52	2.6		6.83	959.50	14.03	2.38	-69.00	6.33	
9:55	3.4		6.74	959.00	14.16	2.08	-61.90	5.02	
9:58	4.2		6.69	958.40	14.20	1.91	-56.20	4.41	
10:01	5.0		6.66	958.40	14.28	1.75	-52.10	4.11	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2024 10:01
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.66 pH 958.40 Spec. Cond. 14.28 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 15.78 feet below TOC Drawdown: 0.35 feet

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

- Field Meter: 210760

Form Completed By: Brett Gillihan

Date: 11/12/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-12
Sample ID: 013
Date (s): 11/12/2024

Field Team Members

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

Weather Conditions

Temp: 47 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/12/2024 10:32 Static Water Level: 17.92 feet below TOC
 Total Depth: 30.40 feet below TOC
 Water Column: 12.48 feet

Purging Activities

Purged By: BG Purge Date: 11/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 12.48 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.50 L
 Physical appearance of purge water: Clear Odor: Moderate Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:32	0.0	265	purge start time						
10:37	1.4	↓	6.71	1,546.30	13.57	1.75	-87.40	21.96	
10:40	2.2		6.63	1,552.80	13.68	1.50	-88.30	21.69	
10:43	3.0		6.61	1,556.30	13.67	1.36	-89.00	22.15	
10:46	3.8		6.60	1,556.60	13.64	1.25	-89.10	22.86	
10:49	4.5		6.59	1,554.80	13.67	1.19	-88.30	25.61	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2024 10:49
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.59 pH 1,554.80 Spec. Cond. 13.67 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 18.14 feet below TOC Drawdown: 0.22 feet

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

- Field Meter: 210760

Form Completed By: *Brett Gillihan*

Date: 11/12/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-13
Sample ID: 014
Date (s): 11/12/2024

Field Team Members

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

Weather Conditions

Temp: 51 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/12/2024 11:01 Static Water Level: 19.40 feet below TOC
 Total Depth: 31.00 feet below TOC
 Water Column: 11.60 feet

Purging Activities

Purged By: BG Purge Date: 11/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 11.6 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 5.00 L
 Physical appearance of purge water: Clear Odor: Strong Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:01	0.0	208	purge start time						
11:13	2.6	↓	6.71	777.40	13.10	1.30	-95.90	16.55	
11:16	3.2		6.70	776.60	13.17	1.24	-96.80	11.82	
11:19	3.8		6.69	776.60	13.22	1.20	-97.10	9.99	
11:22	4.5		6.68	776.30	13.23	1.16	-96.40	10.64	
11:25	5.1		6.67	776.10	13.20	1.12	-95.10	7.29	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2024 11:25
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.67 pH 776.10 Spec. Cond. 13.20 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 19.49 feet below TOC Drawdown: 0.09 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/12/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: AP-14
Sample ID: 015
Date (s): 11/12/2024

Field Team Members

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

Weather Conditions

Temp: 54 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/12/2024 13:23 Static Water Level: 4.64 feet below TOC
 Total Depth: 31.20 feet below TOC
 Water Column: 26.56 feet

Purging Activities

Purged By: 54 Purge Date: 11/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 26.56 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 6.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

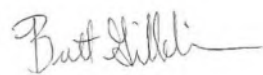
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	75	purge start time						
13:28	0.4	↓	6.99	1,752.50	13.64	2.88	-45.90	15.14	
13:31	0.6		6.97	1,747.60	13.56	2.40	-41.10	39.05	
13:34	0.9		6.95	1,744.50	13.55	2.13	-39.00	143.38	
13:37	1.1		6.94	1,745.20	13.55	1.95	-38.10	11.17	
13:40	1.3		6.94	1,746.10	13.48	1.86	-37.60	9.13	
13:43	1.5		6.93	1,744.20	13.45	1.73	-37.40	8.02	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2024 13:43
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.93 pH 1,744.20 Spec. Cond. 13.45 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 5.21 feet below TOC Drawdown: 0.57 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/12/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells **Monitoring Point:** T-1
Project Location: Springfield, IL **Sample ID:** 016
W.O. Number (s): 24110120 **Date (s):** 11/12/2024

Field Team Members

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

Weather Conditions

Temp: 51 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/12/2024 11:37 Static Water Level: 14.01 feet below TOC
 Total Depth: 22.95 feet below TOC
 Water Column: 8.94 feet

Purging Activities

Purged By: BG Purge Date: 11/12/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 8.94 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.50 L
 Physical appearance of purge water: Clear Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:37	0.0	141	purge start time						
11:54	2.4	↓	6.57	1,463.40	13.80	1.39	-1.60	21.72	
11:57	2.8		6.57	1,464.20	13.79	1.31	-5.60	17.93	
12:00	3.2		6.57	1,464.00	13.82	1.27	-8.50	19.93	
12:03	3.7		6.57	1,467.00	13.83	1.34	-8.70	21.43	
12:06	4.1		6.57	1,469.00	13.87	1.34	-8.70	20.67	
12:09	4.5		6.57	1,468.80	13.93	1.32	-8.50	23.17	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2024 12:09
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.57 pH 1,468.80 Spec. Cond. 13.93 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 14.37 feet below TOC Drawdown: 0.36 feet

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

- Field Meter: 210760

Form Completed By: Date: 11/12/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: T-2
Sample ID: 017
Date (s): 11/113/24

Field Team Members

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

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 13:17 Static Water Level: 15.23 feet below TOC
 Total Depth: 34.44 feet below TOC
 Water Column: 19.21 feet

Purging Activities

Purged By: BG Purge Date: 11/113/24
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 19.21 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 3.50 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:17	0.0	152	purge start time						
13:28	1.7	↓	6.57	1,878.50	13.27	1.72	-34.80	23.07	
13:31	2.1		6.56	1,874.10	13.09	1.43	-35.10	20.38	
13:34	2.6		6.55	1,870.40	13.02	1.30	-36.00	20.18	
13:37	3.0		6.55	1,871.80	13.02	1.24	-36.70	21.93	
13:40	3.5		6.54	1,874.80	13.05	1.20	-36.70	18.34	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2024 13:40
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.54 pH 1,874.80 Spec. Cond. 13.05 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 15.73 feet below TOC Drawdown: 0.50 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/13/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: T-4
Sample ID: 018
Date (s): 11/13/2024

Field Team Members

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

Weather Conditions

Temp: 56 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 11:43 Static Water Level: 19.62 feet below TOC
 Total Depth: 27.42 feet below TOC
 Water Column: 7.80 feet

Purging Activities

Purged By: BG Purge Date: 11/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 7.8 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.00 L
 Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:43	0.0	167	purge start time						
11:55	2.0	↓	6.70	650.20	14.40	1.41	-1.30	43.33	
11:58	2.5		6.67	649.10	14.37	1.45	6.20	44.30	
12:01	3.0		6.65	648.90	14.54	1.48	11.60	39.93	
12:04	3.5		6.65	649.90	14.57	1.45	15.50	34.46	
12:07	4.0		6.65	648.30	14.51	1.42	18.50	32.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2024 12:07
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.65 pH 648.30 Spec. Cond. 14.51 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 20.42 feet below TOC Drawdown: 0.80 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/13/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: T-5
Sample ID: 019
Date (s): 11/13/2024

Field Team Members

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

Weather Conditions

Temp: 56 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 11:13 Static Water Level: 11.46 feet below TOC
 Total Depth: 22.34 feet below TOC
 Water Column: 10.88 feet

Purging Activities

Purged By: BG Purge Date: 11/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 10.88 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.00 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:13	0.0	182	purge start time						
11:23	1.9	↓	6.88	570.50	15.02	2.44	-28.80	39.93	
11:26	2.4		6.86	557.00	15.35	2.33	-22.50	22.88	
11:29	2.9		6.84	551.80	15.42	2.29	-16.60	15.29	
11:32	3.5		6.83	549.80	15.44	2.25	-11.40	11.52	
11:35	4.0		6.82	548.60	15.52	2.21	-6.80	10.43	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2024 11:35
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.82 pH 548.60 Spec. Cond. 15.52 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 11.86 feet below TOC Drawdown: 0.40 feet

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

- Field Meter: 210760

Form Completed By:  Date: 11/13/2024



Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 24110120

Monitoring Point: T-6
Sample ID: 020
Date (s): 11/13/2024

Field Team Members

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

Weather Conditions

Temp: 52 °F Wind Direction: N S W E SE SW NE
 NW
 Precipitation: None Light Heavy Sky: Clear Partly Cloudy Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 11/13/2024 10:16 Static Water Level: 11.02 feet below TOC
 Total Depth: 52.00 feet below TOC
 Water Column: 40.98 feet

Purging Activities

Purged By: BG Purge Date: 11/13/2024
 Purge Method: Peristaltic Pump Well Diameter: 2"
 Purge Volume Calculation (L): 40.98 ft. x 0.022 = 0.9 L x 3 Vol. = 2.7 L **Based on Low-Flow (3/8" discharge)*
 Actual Purge Volume (L): 4.50 L
 Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:16	0.0	214	purge start time						
10:25	1.9	↓	7.19	876.30	14.43	1.67	-110.70	15.38	
10:28	2.6		7.08	874.80	14.82	1.62	-113.10	16.26	
10:31	3.2		7.02	872.10	14.59	1.34	-114.50	7.87	
10:34	3.9		6.99	868.80	14.41	1.16	-115.80	22.88	
10:37	4.5		6.97	868.80	14.51	1.10	-117.10	14.37	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2024 10:37
 Sample Method: Low Flow Sample Equipment: Peristaltic Pump
 Sample Parameters: 6.97 pH 868.80 Spec. Cond. 14.51 Temp
 Field Filtered: No Filter Type: _____
 Water Level: 11.34 feet below TOC Drawdown: 0.32 feet

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

- Field Meter: 210760

Form Completed By: Date: 11/13/2024





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

December 05, 2024

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:
RE: 24110120

Order No.: 24111575

Dear Shelly Hennessy:

Summit Environmental Technologies, Inc. received 20 sample(s) on 11/20/2024 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,

A handwritten signature in black ink that reads "Jennifer Woolf". The signature is written in a cursive, flowing style.

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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Case Narrative

WO#: 24111575
Date: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120

WorkOrder Narrative:

24111575: 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.

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.



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

Workorder Sample Summary

WO#: 24111575
 05-Dec-24

CLIENT: TEKLAB Inc,
Project: 24110120

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24111575-001	24110120-001		11/11/2024 11:03:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-002	24110120-002		11/11/2024 11:44:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-003	24110120-003		11/11/2024 12:21:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-004	24110120-004		11/11/2024 12:55:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-005	24110120-005		11/11/2024 1:38:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-006	24110120-006		11/11/2024 2:28:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-007	24110120-007		11/11/2024 10:27:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-008	24110120-008		11/13/2024 11:07:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-009	24110120-009		11/13/2024 1:15:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-010	24110120-010		11/13/2024 12:30:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-011	24110120-011		11/12/2024 1:07:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-012	24110120-012		11/12/2024 10:01:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-013	24110120-013		11/12/2024 10:49:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-014	24110120-014		11/12/2024 11:25:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-015	24110120-015		11/12/2024 1:49:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-016	24110120-016		11/12/2024 12:09:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-017	24110120-017		11/13/2024 1:40:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-018	24110120-018		11/13/2024 12:07:00 PM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-019	24110120-019		11/13/2024 11:35:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water
24111575-020	24110120-020		11/13/2024 10:37:00 AM	11/20/2024 1:00:00 PM	Non-Potable Water



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DATES REPORT

WO#: 24111575
05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24111575-001A	24110120-001	11/11/2024 11:03:00 AM	Non-Potable Water	Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-002A	24110120-002	11/11/2024 11:44:00 AM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-003A	24110120-003	11/11/2024 12:21:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-004A	24110120-004	11/11/2024 12:55:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-005A	24110120-005	11/11/2024 1:38:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-006A	24110120-006	11/11/2024 2:28:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-007A	24110120-007	11/11/2024 10:27:00 AM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-008A	24110120-008	11/13/2024 11:07:00 AM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-009A	24110120-009	11/13/2024 1:15:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-010A	24110120-010	11/13/2024 12:30:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-011A	24110120-011	11/12/2024 1:07:00 PM		Radium-226 (EPA 903.0)		11/23/2024 8:45:00 AM	12/4/2024 9:31:52 AM
				Radium-228 (EPA 904.0)		11/23/2024 8:45:00 AM	12/3/2024 4:29:04 PM
24111575-012A	24110120-012	11/12/2024 10:01:00 AM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM

Original



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

DATES REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24111575-012A	24110120-012	11/12/2024 10:01:00 AM	Non-Potable Water	Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-013A	24110120-013	11/12/2024 10:49:00 AM		Radium-226 (EPA 903.0)		11/22/2024 11:34:00 A	11/29/2024 9:41:00 AM
				Radium-228 (EPA 904.0)		11/22/2024 11:34:00 A	11/27/2024 2:09:00 PM
24111575-014A	24110120-014	11/12/2024 11:25:00 AM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-015A	24110120-015	11/12/2024 1:49:00 PM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-016A	24110120-016	11/12/2024 12:09:00 PM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-017A	24110120-017	11/13/2024 1:40:00 PM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-018A	24110120-018	11/13/2024 12:07:00 PM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-019A	24110120-019	11/13/2024 11:35:00 AM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM
24111575-020A	24110120-020	11/13/2024 10:37:00 AM		Radium-226 (EPA 903.0)		11/26/2024 1:09:00 PM	12/5/2024 9:34:00 AM
				Radium-228 (EPA 904.0)		11/26/2024 1:09:00 PM	12/4/2024 2:33:00 PM

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Analytical Report

(consolidated)

WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-001
Client Sample ID: 24110120-001

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

Matrix: NON-POTABLE WATER

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	± 0.100	1	12/4/2024 9:31:52 AM
Yield	1.00					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	1.23	1.00		pCi/L	± 0.650	1	12/3/2024 4:29:04 PM
Yield	0.980					1	12/3/2024 4:29:04 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-002
Client Sample ID: 24110120-002

Collection Date: 11/11/2024 11:44:00 AM

Matrix: NON-POTABLE WATER

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	± 0.130	1	12/4/2024 9:31:52 AM
Yield	0.980					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.490	1	12/3/2024 4:29:04 PM
Yield	0.930					1	12/3/2024 4:29:04 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-003
Client Sample ID: 24110120-003

Collection Date: 11/11/2024 12:21:00 PM

Matrix: NON-POTABLE WATER

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	12/4/2024 9:31:52 AM
Yield	1.00					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.450	1	12/3/2024 4:29:04 PM
Yield	0.990					1	12/3/2024 4:29:04 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-004
Client Sample ID: 24110120-004

Collection Date: 11/11/2024 12:55:00 PM

Matrix: NON-POTABLE WATER

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	± 0.0700	1	12/4/2024 9:31:52 AM
Yield	0.810					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.630	1	12/3/2024 4:29:04 PM
Yield	0.780					1	12/3/2024 4:29:04 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-005
Client Sample ID: 24110120-005

Collection Date: 11/11/2024 1:38:00 PM

Matrix: NON-POTABLE WATER

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	12/4/2024 9:31:52 AM
Yield	0.990					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.710	1	12/3/2024 4:29:04 PM
Yield	0.860					1	12/3/2024 4:29:04 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-006
Client Sample ID: 24110120-006

Collection Date: 11/11/2024 2:28:00 PM

Matrix: NON-POTABLE WATER

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	± 0.0700	1	12/4/2024 9:31:52 AM
Yield	1.00					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.590	1	12/3/2024 4:29:04 PM
Yield	0.990					1	12/3/2024 4:29:04 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-007
Client Sample ID: 24110120-007

Collection Date: 11/11/2024 10:27:00 AM

Matrix: NON-POTABLE WATER

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	± 0.0700	1	12/4/2024 9:31:52 AM
Yield	0.980					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.520	1	12/3/2024 4:29:04 PM
Yield	1.00					1	12/3/2024 4:29:04 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-008
Client Sample ID: 24110120-008

Collection Date: 11/13/2024 11:07:00 AM

Matrix: NON-POTABLE WATER

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	± 0.100	1	12/4/2024 9:31:52 AM
Yield	1.00					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	ND	1.00		pCi/L	± 0.660	1	12/3/2024 4:29:04 PM
Yield	0.880					1	12/3/2024 4:29:04 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-009
Client Sample ID: 24110120-009

Collection Date: 11/13/2024 1:15:00 PM

Matrix: NON-POTABLE WATER

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					E903.0	E903-904	Analyst: SMZ
Radium-226	1.05	1.00		pCi/L	± 0.200	1	12/4/2024 9:31:52 AM
Yield	0.970					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	1.52	1.00		pCi/L	± 0.770	1	12/3/2024 4:29:04 PM
Yield	0.930					1	12/3/2024 4:29:04 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-010
Client Sample ID: 24110120-010

Collection Date: 11/13/2024 12:30:00 PM

Matrix: NON-POTABLE WATER

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	± 0.130	1	12/4/2024 9:31:52 AM
Yield	0.980					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	1.01	1.00		pCi/L	± 0.670	1	12/3/2024 4:29:04 PM
Yield	0.960					1	12/3/2024 4:29:04 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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(consolidated)

WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-011
Client Sample ID: 24110120-011

Collection Date: 11/12/2024 1:07:00 PM

Matrix: NON-POTABLE WATER

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	± 0.210	1	12/4/2024 9:31:52 AM
Yield	0.790					1	12/4/2024 9:31:52 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: SMZ
Radium-228	1.61	1.00		pCi/L	± 0.870	1	12/3/2024 4:29:04 PM
Yield	0.770					1	12/3/2024 4:29:04 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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(consolidated)

WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-012
Client Sample ID: 24110120-012

Collection Date: 11/12/2024 10:01:00 AM

Matrix: NON-POTABLE WATER

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	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.340	1	12/4/2024 2:33:00 PM
Yield	1.00					1	12/4/2024 2:33:00 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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(consolidated)

WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-013
Client Sample ID: 24110120-013

Collection Date: 11/12/2024 10:49:00 AM

Matrix: NON-POTABLE WATER

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	11/29/2024 9:41:00 AM
Yield	0.970					1	11/29/2024 9:41:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.340	1	11/27/2024 2:09:00 PM
Yield	0.960					1	11/27/2024 2:09:00 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-014
Client Sample ID: 24110120-014

Collection Date: 11/12/2024 11:25:00 AM

Matrix: NON-POTABLE WATER

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	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.390	1	12/4/2024 2:33:00 PM
Yield	0.900					1	12/4/2024 2:33:00 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-015
Client Sample ID: 24110120-015

Collection Date: 11/12/2024 1:49:00 PM

Matrix: NON-POTABLE WATER

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	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.390	1	12/4/2024 2:33:00 PM
Yield	1.00					1	12/4/2024 2:33:00 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-016
Client Sample ID: 24110120-016

Collection Date: 11/12/2024 12:09:00 PM

Matrix: NON-POTABLE WATER

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	± 0.110	1	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.340	1	12/4/2024 2:33:00 PM
Yield	1.00					1	12/4/2024 2:33:00 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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WO#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-017
Client Sample ID: 24110120-017

Collection Date: 11/13/2024 1:40:00 PM

Matrix: NON-POTABLE WATER

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	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.380	1	12/4/2024 2:33:00 PM
Yield	0.990					1	12/4/2024 2:33:00 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-018
Client Sample ID: 24110120-018

Collection Date: 11/13/2024 12:07:00 PM

Matrix: NON-POTABLE WATER

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	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.400	1	12/4/2024 2:33:00 PM
Yield	1.00					1	12/4/2024 2:33:00 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-019
Client Sample ID: 24110120-019

Collection Date: 11/13/2024 11:35:00 AM

Matrix: NON-POTABLE WATER

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	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	ND	1.00		pCi/L	± 0.390	1	12/4/2024 2:33:00 PM
Yield	1.00					1	12/4/2024 2:33:00 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#: 24111575

Date Reported: 12/5/2024

CLIENT: TEKLAB Inc,
Project: 24110120
Lab ID: 24111575-020
Client Sample ID: 24110120-020

Collection Date: 11/13/2024 10:37:00 AM

Matrix: NON-POTABLE WATER

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	± 0.110	1	12/5/2024 9:34:00 AM
Yield	1.00					1	12/5/2024 9:34:00 AM
RADIUM-228 (EPA 904.0)					E904.0	E903-904	Analyst: DHF
Radium-228	1.08	1.00		pCi/L	± 0.450	1	12/4/2024 2:33:00 PM
Yield	1.00					1	12/4/2024 2:33:00 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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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80532

Sample ID: MB-80532	SampType: MBLK	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198234						
Client ID: BatchQC	Batch ID: 80532	TestNo: E904.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5359799						
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-80532	SampType: LCS	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198234						
Client ID: BatchQC	Batch ID: 80532	TestNo: E904.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5359800						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.06	1.00	5.000	0	61.2	50	130				
Yield	1.00			0	0						

Sample ID: LCSD-80532	SampType: LCSD	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198234						
Client ID: BatchQC	Batch ID: 80532	TestNo: E904.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5359801						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.45	1.00	5.000	0	69.0	50	130	3.060	12.0	20	
Yield	1.00			0	0			1.000	0		

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
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80532

Sample ID: 24111631-001EDUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198234						
Client ID: BatchQC	Batch ID: 80532	TestNo: E904.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5359814						
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	1.00			0	0			1.000	0		

Qualifiers:
 H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected
 RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80532

Sample ID: MB-80532	SampType: MBLK	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198237
Client ID: BatchQC	Batch ID: 80532	TestNo: E903.0	E903-904	Analysis Date: 12/5/2024	SeqNo: 5359889
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-80532	SampType: LCS	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198237
Client ID: BatchQC	Batch ID: 80532	TestNo: E903.0	E903-904	Analysis Date: 12/5/2024	SeqNo: 5359890
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	3.53	1.00	5.000	0	70.6 70 130 QLR

Sample ID: LCSD-80532	SampType: LCSD	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198237
Client ID: BatchQC	Batch ID: 80532	TestNo: E903.0	E903-904	Analysis Date: 12/5/2024	SeqNo: 5359891
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	4.98	1.00	5.000	0	99.6 70 130 3.530 34.1 20 R

Sample ID: 24111631-001EDUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198237
Client ID: BatchQC	Batch ID: 80532	TestNo: E903.0	E903-904	Analysis Date: 12/5/2024	SeqNo: 5359904
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 M Manual Integration used to determine area response ND Not Detected
 PL Permit Limit R RPD outside accepted recovery limits RL Reporting Detection Limit
 S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80532

Sample ID: 24111631-001EDUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/26/2024	RunNo: 198237						
Client ID: BatchQC	Batch ID: 80532	TestNo: E903.0	E903-904	Analysis Date: 12/5/2024	SeqNo: 5359904						
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	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80533

Sample ID: MB-80533	SampType: MBLK	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197941						
Client ID: BatchQC	Batch ID: 80533	TestNo: E904.0	E903-904	Analysis Date: 11/27/2024	SeqNo: 5352672						
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-80533	SampType: LCS	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197941						
Client ID: BatchQC	Batch ID: 80533	TestNo: E904.0	E903-904	Analysis Date: 11/27/2024	SeqNo: 5352673						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.41	1.00	5.000	0	68.2	50	130				
Yield	1.00			0	0						

Sample ID: LCSD-80533	SampType: LCSD	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197941						
Client ID: BatchQC	Batch ID: 80533	TestNo: E904.0	E903-904	Analysis Date: 11/27/2024	SeqNo: 5352674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.37	1.00	5.000	0	67.4	50	130	3.410	1.18	20	
Yield	1.00			0	0			1.000	0		

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
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80533

Sample ID: 24111225-001ADUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197941						
Client ID: BatchQC	Batch ID: 80533	TestNo: E904.0	E903-904	Analysis Date: 11/27/2024	SeqNo: 5352689						
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			1.000	0		

Sample ID: 24111363-001ADUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197941						
Client ID: BatchQC	Batch ID: 80533	TestNo: E904.0	E903-904	Analysis Date: 11/27/2024	SeqNo: 5352692						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	1.11	1.00		0	0			0.9300	17.6	20	
Yield	1.00			0	0			1.000	0		

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
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80533

Sample ID: MB-80533	SampType: MBLK	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197943
Client ID: BatchQC	Batch ID: 80533	TestNo: E903.0	E903-904	Analysis Date: 11/29/2024	SeqNo: 5352721
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-80533	SampType: LCS	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197943
Client ID: BatchQC	Batch ID: 80533	TestNo: E903.0	E903-904	Analysis Date: 11/29/2024	SeqNo: 5352722
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	5.06	1.00	5.000	0	101 70 130

Sample ID: LCSD-80533	SampType: LCSD	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197943
Client ID: BatchQC	Batch ID: 80533	TestNo: E903.0	E903-904	Analysis Date: 11/29/2024	SeqNo: 5352723
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	4.18	1.00	5.000	0	83.6 70 130 5.060 19.0 20

Sample ID: 24111225-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197943
Client ID: BatchQC	Batch ID: 80533	TestNo: E903.0	E903-904	Analysis Date: 11/29/2024	SeqNo: 5352733
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 M Manual Integration used to determine area response ND Not Detected
 PL Permit Limit R RPD outside accepted recovery limits RL Reporting Detection Limit
 S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 24111575
05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80533

Sample ID: 24111225-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197943						
Client ID: BatchQC	Batch ID: 80533	TestNo: E903.0	E903-904	Analysis Date: 11/29/2024	SeqNo: 5352733						
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: 24111363-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/22/2024	RunNo: 197943						
Client ID: BatchQC	Batch ID: 80533	TestNo: E903.0	E903-904	Analysis Date: 11/29/2024	SeqNo: 5352735						
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
S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

ND Not Detected
RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80535

Sample ID: MB-80535	SampType: MBLK	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198153						
Client ID: BatchQC	Batch ID: 80535	TestNo: E904.0	E903-904	Analysis Date: 12/3/2024	SeqNo: 5358242						
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-80535	SampType: LCS	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198153						
Client ID: BatchQC	Batch ID: 80535	TestNo: E904.0	E903-904	Analysis Date: 12/3/2024	SeqNo: 5358243						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.46	1.00	5.000	0	89.2	50	130				
Yield	0.970			0	0						

Sample ID: LCSD-80535	SampType: LCSD	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198153						
Client ID: BatchQC	Batch ID: 80535	TestNo: E904.0	E903-904	Analysis Date: 12/3/2024	SeqNo: 5358244						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	5.32	1.00	5.000	0	106	50	130	4.460	17.6	20	
Yield	0.970			0	0			0.9700	0		

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
 S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80535

Sample ID: 24111317-001ADUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198153						
Client ID: BatchQC	Batch ID: 80535	TestNo: E904.0	E903-904	Analysis Date: 12/3/2024	SeqNo: 5358249						
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	1.00			0	0			0.7500	28.6		

Sample ID: 24111607-001DDUP	SampType: DUP	TestCode: Radium-228_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198153						
Client ID: BatchQC	Batch ID: 80535	TestNo: E904.0	E903-904	Analysis Date: 12/3/2024	SeqNo: 5358269						
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	0.910			0	0			1.000	9.42		

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
	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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

QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80535

Sample ID: MB-80535	SampType: MBLK	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198160
Client ID: BatchQC	Batch ID: 80535	TestNo: E903.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5358431
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	ND	1.00			
Yield	0.990				

Sample ID: LCS-80535	SampType: LCS	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198160
Client ID: BatchQC	Batch ID: 80535	TestNo: E903.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5358432
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	5.81	1.00	5.000	0	116 70 130

Sample ID: LCSD-80535	SampType: LCSD	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198160
Client ID: BatchQC	Batch ID: 80535	TestNo: E903.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5358433
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium-226	5.22	1.00	5.000	0	104 70 130 5.810 10.7 20

Sample ID: 24111317-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198160
Client ID: BatchQC	Batch ID: 80535	TestNo: E903.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5358438
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 M Manual Integration used to determine area response ND Not Detected
 PL Permit Limit R RPD outside accepted recovery limits RL Reporting Detection Limit
 S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 24111575
 05-Dec-24

Client: TEKLAB Inc,
Project: 24110120

BatchID: 80535

Sample ID: 24111317-001ADUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198160						
Client ID: BatchQC	Batch ID: 80535	TestNo: E903.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5358438						
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							0.8200	19.8	0	

Sample ID: 24111607-001DDUP	SampType: DUP	TestCode: Radium-226_	Units: pCi/L	Prep Date: 11/23/2024	RunNo: 198160						
Client ID: BatchQC	Batch ID: 80535	TestNo: E903.0	E903-904	Analysis Date: 12/4/2024	SeqNo: 5358458						
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	0.980							1.000	2.02	0	

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
	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc 17.4-0.0=17.4°C Cooler Temp: 17.2-17.4 (Sampler: Client)
 5445 Horseshoe Lake Road 17.2-0.0=17.2°C
 Collinsville, IL 62234 17.3-0.0=17.3°C FedEx, cooler

QC Level: 2
24-111575

Project#: 24110120
 CS intact 11/18/24
 Contact: Shelly Hennessy Email: shennessy@TekLabInc.com
 Requested Due Date: Standard TAT Billing/PO: 37434

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.

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.

Radium 226/228																				
		cpm																		PH
	<input checked="" type="checkbox"/>	32																		1
	<input checked="" type="checkbox"/>	22																		1
	<input checked="" type="checkbox"/>	14																		1
	<input checked="" type="checkbox"/>	30																		1
	<input checked="" type="checkbox"/>	30																		1
	<input checked="" type="checkbox"/>	40																		1
	<input checked="" type="checkbox"/>	36																		1
	<input checked="" type="checkbox"/>	36																		1
	<input checked="" type="checkbox"/>	42																		1
	<input checked="" type="checkbox"/>	28																		1
<input checked="" type="checkbox"/>	30																		1	

*Relinquished By <i>Shelly Hennessy</i>	Date/Time	Received By <i>Amya [Signature]</i>	Date/Time 11/20/24, 1300

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc 17.4-00=17.4°C Cooler Temp: 17.2-17.4°C Sampler: Client QC Level: 2
 5445 Horseshoe Lake Road 17.2-0.0=17.2°C Fedex, cooler
 Collinsville, IL 62234 17.3-0.0=17.3°C CS intact 11/18/24

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# 24110120
 Contact: Shelly Hennessy Email: shennessy@TekLabinc.com
 Requested Due Date: Standard TAT Billing/PO: 37434 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
	24110120-012	11/12/24 1001	HNO3	Groundwater
	24110120-013	11/12/24 1049	HNO3	Groundwater
	24110120-014	11/12/24 1125	HNO3	Groundwater
	24110120-015	11/12/24 1349	HNO3	Groundwater
	24110120-016	11/12/24 1209	HNO3	Groundwater
	24110120-017	11/13/24 1340	HNO3	Groundwater
	24110120-018	11/13/24 1207	HNO3	Groundwater
	24110120-019	11/13/24 1135	HNO3	Groundwater
	24110120-020	11/13/24 1037	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Radium 226/228	<u>CPM</u>																		
	<u>24</u>									<u>PH</u>									
	<u>32</u>																		
	<u>32</u>																		
	<u>26</u>																		
	<u>22</u>																		
	<u>40</u>																		
	<u>28</u>																		
	<u>26</u>																		
	<u>20</u>																		

*Relinquished By <u>Wanda Delaney</u>	Date/Time	Received By <u>[Signature]</u>	Date/Time <u>11/20/24, 1300</u>



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Sample Log-In Check List

Client Name: TEK-IL-62234-A

Work Order Number: 24111575

RcptNo: 1

Logged by:	Anthony W. Britton	11/20/2024 1:00:00 PM	<i>Anthony Britton</i>
Completed By:	Anthony W. Britton	11/21/2024 1:24:10 PM	<i>Anthony Britton</i>
Reviewed By:	Jennifer Woolf	11/26/2024 11:15:22 AM	<i>Jennifer M. Woolf</i>

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: 11/18/2024 Signed By:
 5. Was an attempt made to cool the samples? Yes No NA
 6. Were all samples received at a temperature of >0° 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	17.4	Good	Yes		11/18/2024	



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Sample Log-In Check List

Client Name: TEK-IL-62234-A

Work Order Number: 24111575

RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
2	17.2	Good	Yes		11/18/2024	
3	17.3	Good	Yes		11/18/2024	